

M.T.H. ELECTRIC TRAINS
2000 volume two

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M.T.H. 2000 MTHRRC Club Memberships



INTRODUCTION

Our product line has grown enormously over the past few years. In 2000 it's bigger and better than any previous M.T.H. lineup, so we are printing two catalogs: one for our RailKing® Line, and one for our Premier and Tinplate Traditions™ Lines. Both books are filled with model railroading products that will capture the interest of virtually every rail enthusiast.

At M.T.H. we create our magnificent collection of model railroad products based on what we know railfans want. We listen to model railroaders—what you say at train collectors' conventions, through dealer feedback, and via mail and e-mail—to determine what's missing, to find out what you want but do not yet see on the market. We also stay tuned in to what your favorite items are, and we constantly work on ways to make these products better and more innovative for you.

M.T.H. ELECTRIC TRAINS®

At M.T.H. Electric Trains®, we believe offering model railroaders as much variety and authenticity as possible is not enough. We are also dedicated to providing the most technologically advanced model railroading equipment available. At M.T.H. we believe that it is important to keep abreast of the technology explosion so that we can continue to provide you with model railroading equipment—whether it be engines, accessories, track, or operating systems—that continues to make the hobby easier and more realistic than ever before. To that end, we recently invested more than \$2 million on new technology to improve your model railroading experience. M.T.H. is proud to introduce our new locomotive sound and train control systems. We believe they will make your operating experience more enjoyable, more realistic, and easier than you could have imagined.

Among our most exciting new systems is the improved version of Proto-Sound®, Proto-Sound® 2.0. This impressive system has a sampling rate twice that of the best digital sound system currently available in O gauge model railroading. It is dramatically improved technology that provides for more authentic sound than anything we or our competitors have produced in the past. Among other things, it uses its technology to take advantage of the Doppler principle to mimic the growing and fading sounds of a train as it approaches and passes, just like the prototypes. You can also run your own sound—whether your own voice or a favorite tape—through the system to individualize your locomotives. Proto-Sound 2.0 provides many more sound options than have been available in the past and comes packaged with our revolutionary new Digital Command System (DCS) that allows for more realistic operation of your DCS-ready engines. M.T.H.'s Digital Command System allows for individual control of each engine and accessory on your layout. You'll get variable locomotive speed control,

independent lighting control, diagnostic memory features, customizeable, downloadable sounds, and simultaneous TMCC® operation, among many other exciting new features. Read more about these revolutionary new features and how they can enhance your railroading experience in the Proto-Sound 2.0 section of the catalog.

We have also replaced the electronic whistles and horns available on RailKing engines with our new Loco-Sound™ system, to give you a more authentic sound than before, but still at a lower price than with the new Proto-Sound 2.0 system. More importantly, most RailKing Ready-To-Run sets now feature remote control, through our new Loco-Sound Wireless Infrared Remote Control. With all the great new technology M.T.H. offers this year, model railroading has never been better!

Armed with the quality and value of the M.T.H. product line, many of our customers have been spreading the word about the joys of M.T.H. model railroading to new and old railroad enthusiasts. This excitement stimulates the growth of our hobby, which is expanding with incredible speed. It also motivates us here at M.T.H. to increase our efforts to produce the types of products and technology model railroading enthusiasts want. To that end, we offer some items to help guide you on your model railroading journey and the world of M.T.H. Electric Trains. These include a soon-to-be-released 240+ page book with more than 1,900 color photographs covering the fascinating history of M.T.H. (we've been around longer than you think!) and an interactive CD ROM with both how-to videos and track-planning software.

PREMIER

Proof of our efforts to continue bringing our customers the best quality and value around can be found throughout the following pages. You will find exciting locomotives, rolling stock and accessories. Each item is designed and manufactured to meet the standard of quality you expect. We accomplish this by ensuring that our products are easy to understand, easy to operate, and easy to service. For example, M.T.H. locomotives, which are constructed from high quality ABS plastic or die-cast and stamped metal components, feature our modular chassis design (MCD) concept which ensures that each engine is easy to operate and easy to service. You can accomplish most basic repairs with just a screwdriver.

As you learn more about M.T.H. Electric Trains through the pages and images of this catalog, you will come to understand how and why M.T.H. has taken the lead in the O gauge market. If you like what you see, visit our web site or contact us to find a dealer near you so that you may experience first hand why M.T.H. Electric Trains is your best source for O gauge value and quality.

Toll Free Dealer Locator Number

1-888-640-3700

Visit our Website www.mth-railking.com

Bring Your Layout Alive

PROTO-SOUND 2.0 WITH DCS

The Operating System for the New Millennium

In the Millennium Year 2000 and beyond, virtually every M.T.H. locomotive or Ready-To-Run™ train set can be ordered with model railroading's most revolutionary digital control system: Proto-Sound® 2.0 featuring the Digital Command System (DCS).

Taking digital sound and train control systems to new heights, Proto-Sound 2.0 is a state-of-the-art digital sound and train control system that must be heard and seen to be believed. Its quality and features, designed by M.T.H.'s own research and development team, are unmatched by any other model railroading manufacturer. Operation starts right out of the box, with no additional equipment or wiring to your layout needed for basic conventional operation. Engines equipped with Proto-Sound 2.0 are perfectly compatible with engines not so equipped. You simply hook up any compatible transformer and begin experiencing the digital world of model railroading in ways unmatched and unimaginable.

The Sound System

Proto-Sound 2.0 is a digital sound system utilizing authentic railroad sounds. Steam engines feature steam chuffing, squeaking brakes, whistles and bells, while diesel locomotives rumble with diesel roar, throaty horns and chiming bells. Proto-Sound 2.0 utilizes a much higher sampling rate than earlier Proto-Sound versions. In fact, Proto-Sound 2.0 has a greater dynamic range than any of our competitors. In plain English, this means higher highs and lower lows for an unmatched model railroading experience.

Proto-Sound 2.0 features a bevy of new sound features that will transform your operating experiences to a far higher level of realism than you ever thought possible. Every Proto-Sound 2.0-equipped locomotive features improved and all-new Proto-Effects™ including:

- New and Improved Cab Chatter With Dozens of Different Voice Accents
- Locomotive Start-up and Shut Down
- All-New Passenger Station Sounds or Freight Yard Sounds
- Squeaking Brakes and Coupler Release Sounds.
- Coupler Slack Sounds
- Wheel Clickety-Clack Sounds
- Train Wreck Sounds
- Dozens of randomly-created voice accents

Proto-Sound 2.0 also comes equipped with three exciting new sound effects; Proto-Doppler, Proto-Dispatch and Proto-Cast each of which is explained in the sidebars on the following pages.

In addition, Proto-Sound 2.0-equipped locomotives feature a redesigned Proto-Coupler system that can be controlled with one simple button push as well as a redesigned ProtoSmoke system that allows user control over smoke output.

Finally, and most importantly for prototypical operations, every Proto-Sound 2.0-equipped locomotive comes with Proto-Speed Control (see the sidebar on page 3), a sophisticated monitoring system that provides constant speed control of your locomotive or consist, whether you are operating in Conventional or Digital Command Modes.



GO TO www.protosound2.com

The Digital Command System

The Digital Command System (DCS) found in Proto-Sound 2.0 is a digital control system that allows operators to command multiple engines, tracks, switches, and accessories at one time with a single remote. When in Digital Command System Mode, a constant voltage level is applied to a layout or track block. You will be able to individually control each DCS engine or any accessory with the touch of a button on the DCS Remote Controller.

The separately sold Digital Command System Remote features a four line LCD screen and 32 push buttons for control over basic locomotive functions, including whistle or horn activation, bell, speed control, direction control and coupler operation. Scroll through its simple easy to use menus each allowing quick and easy access to the multitude of exciting new features in Proto-Sound 2.0. DCS Remote Control will immediately recognize up to 50 different engines when first powered up on your layout. Once an engine is recognized, change your favorite operating settings, including volume levels, assignment of locomotive addresses and names, lighting, smoke output, and dozens more with the touch of a few buttons.

Operation of your Digital Command System engine has never been more realistic. When operating in Command mode, operators can utilize the Proto-Speed Control function to control the speed of an engine in one scale mph increments. This revolutionary system doesn't require special motors yet will not allow a locomotive to change speed during operation even if the environment changes. Enter a grade or sharp curve with an engine programmed to travel at 5 scale mph and that engine will continue to travel at 5 MPH. Couple up a long consist for an engine previously operating by itself at 10 MPH and watch as the engine continues to operate at 10 MPH, even going up and down grades!*

Our Digital Command System remembers your commands and can record them for playback later. Create a demo of your consist's operation and play it back with the touch of a button. Every locomotive operation, accessory operation or switch action will be remembered and played back. In fact, every minute of operation on your DCS-equipped locomotive is stored in an electronic odometer. This allows the owner to have a complete record of the actual scale miles the train has traveled. For collectors it's a great way to confirm the use of an engine.

Use the Digital Command System to control switches and trackside accessories (up to 250 of each, for a total of 500). With a Digital Command System Track Interface Unit (TIU) and Accessory Interface Unit (AIU), any track switch or accessory can be interfaced with the system. This allows operators to maintain complete control over their layout with the touch of a button on the DCS Remote. Best of all, no complicated wiring is required. Simply wire up a switch or accessory to the Digital Command System AIU just as you would to a button or track activation device. It's that simple.



The Digital Command System brings full compatibility to the model railroading community. Unlike O Gauge railroading's other 3-Rail command system, Lionel's® Trainmaster® (TMCC), the Proto-Sound 2.0 Digital Command System can control both Proto-Sound 2.0 equipped locomotives and Trainmaster® equipped locomotives in Command Mode without modification. **One DCS Remote Controller can operate DCS engines and Trainmaster® (TMCC) engines at the same time.**** At last, the limitations of competing command control systems are eliminated. All you need is the Proto-Sound 2.0 Digital Command System, specially engineered to provide a level of compatibility previously unseen in O Gauge!

** Requires Trainmaster® Command Base

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Proto-Speed Control is a revolutionary feature that utilizes micro-processor monitoring of your engine's motor revolutions, continuously making adjustments to the engine's speed to maintain locomotive speed, much as a real engineer does when traveling over variable terrain. When active, a Proto-Sound 2.0-equipped locomotive will experience only slight changes in speed when traversing grades and curves. At last, prototypical speeds can be attained without special motors or operating modes. In fact, the system is so sophisticated it allows engines to travel at speeds of 3 scale miles per hour or less! More importantly, the system can be overridden when double-heading with non-Proto-Sound- or earlier Proto-Sound-equipped locomotives. When the new system is disabled, your Proto-Sound 2.0-equipped locomotive will operate in the same manner as any other previously designed M.T.H. steam or diesel locomotive.



Proto-Doppler puts the **WOOOOOsh** in sound. Originally discovered by the Austrian mathematician and physicist, Christian Doppler (1803-53), the Doppler Effect represents the change in pitch and volume that results from a shift in the frequency of the sound waves as evidenced by the sound of an approaching object. For example, as an ambulance approaches, the sound waves from its siren are compressed towards the observer. The intervals between waves diminish, which translates into an increase in frequency or pitch. As the ambulance recedes, the sound waves are stretched relative to the observer, causing the siren's pitch to decrease. By the change in pitch of the siren, you can determine if the ambulance is coming nearer or speeding away. In model railroading, the Doppler Effect has long been considered the ultimate goal of sound system development. Now, thanks to Proto-Sound 2.0, this effect can be reproduced in a locomotive. Imagine getting close to the track, watching and listening as a train whooshes past. You'll hear the oncoming sound followed by the receding fade as the train passes by just like you would if you were standing at trackside.



Proto-Dispatch takes Proto-Sound's cab chatter one step further toward reality. Now, instead of listening to the pre-recorded Cab Chatter messages that come standard in every Proto-Sound 2.0-equipped locomotive, you can actually interact with your train by broadcasting your own voice through the locomotive's speaker. A built-in microphone has been incorporated into the Proto-Sound 2.0 DCS Remote Control. Simply press a button and speak into the mic to create your own personalized Cab Chatter messages or interact with the pre-recorded Cab Chatter messages in your locomotive. It's great fun and an easy way to get the whole family involved in your railroad operations.

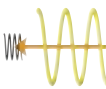


Proto-Cast is perhaps the most exciting new addition to the Proto-Sound system. By using the TIU and any external audio source, like a tape deck or CD player, you can now broadcast your favorite songs or stories through your locomotive's speaker. Imagine using Proto-Cast to play your favorite railroad songs through your train or "broadcasting" a train story from tape, like "The Little Engine That Could," while your train runs around the layout. Better yet, play your own favorite prototype recordings as you run your trains. Its easy to use and makes for great entertainment on your layout.

PROTO-SOUND 2.0

THE OPERATING SYSTEM FOR THE NEW MILLENNIUM

M.T.H. ELECTRIC TRAINS



Proto-Sound 2.0 Conventional Operation Features - Accessible Through Any Compatible Transformer

- Authentic Bell & Horn or Whistle Sound Effects
- Authentic Locomotive Chuffing or Diesel Engine Sound Effects
- Authentic Locomotive Start Up and Shutdown Effects
- Conventional Mode Proto-Effects Including Cab Chatter, Passenger Station and Freight Yard Sounds
- Proto-Coupler Remote Operation
- Proto-Speed Control Monitoring - A Cruise Control Type System That Maintains A Locomotive or Consists Speed During Grade Changes
- Proto-Speed Control Disable
- Model Railroading's Highest Dynamic Sound Range - For Higher Highs And Lower Lows
- Built-In, Self-Recharging Battery Backup System
- Squeaking Brake Sounds
- Maintenance Sound Effects
- Constant Voltage Lighting
- ProtoSmoke Operation

Proto-Sound 2.0 Digital Command System (DCS) Features - Requires Optional Digital Command System Remote Control, Track Interface Unit (TIU) and Accessory Interface Unit (AIU)

All Conventional Features Plus Features Listed Below

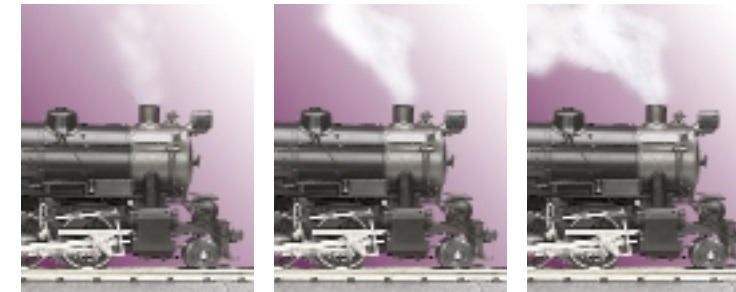
- Independent Locomotive Control - Operates Up To 50 Different Locomotive On The Same Track At The Same Time. Assign Locomotive IDs, Turn Engines ON or OFF or Run Different Engines At Different Speeds On The Same Track
- Enhanced Proto-Speed Control - Operate Locomotives As Slow As 1 Scale Mile Per Hour And Maintain Speed Up And Down Grades
- Enhanced ProtoSmoke Operation - Variably Control Smoke Output
- Enhanced Constant Voltage Lighting Control - Control Locomotive Lights Independently, Turn On or Off or Flash Ditch Lights, Cab Interior Lights, MARS Lights, Beacon Lights or Headlights
- Remote Control Over Layout Accessories - Requires No Modification To Accessories. Simply Wire Up Any Manufacturer's Accessory To An Accessory Interface Unit For Remote Control Via The DCS Remote (Requires AIU)
- Remote Control Over Track Blocks And Switches - Requires No Modification To Track or Switches. Simply Wire Track Blocks or Switches To A Track Interface Unit For Remote Control Via The DCS Remote (Requires AIU)
- Customize Proto-Sound 2.0 DCS Locomotives With Downloadable Sounds - Change Bells, Whistles or Proto-Effects For A Unique, Personalized Locomotive. Change Your Passenger Station Proto-Effect To A Freight Yard Proto-Effect.
- Proto-Cast - Play Your Favorite Tapes or CDs Through Your Train During Operation. You Can Even Play Bedtime Stories to Your Children
- Proto-Doppler Sound Effects - Easy To Use Feature That Simulates The Growing And Fading Sounds Of A Locomotive As It Approaches And Then Passes By
- Proto-Dispatch - Be Your Own Dispatcher. Broadcast Your Voice, In Real Time, Though Your Train's Speaker While It Is Running
- Extended Locomotive Start Up And Shutdown Effects
- All New Proto-Effects - Select And Play Coupler Slack Sounds, Wheel Clickety Clack Sounds, Train Wreck Sounds and Many More
- Independent Volume Control Of Bell, Horn or Whistle, Engine Sounds and Proto-Effects
- Global Volume Control Of All Active Proto-Sound 2.0 Equipped Engines
- Global Or Individual One-Touch Mute - Mute All Proto-Sound 2.0 Sounds With A Touch Of A Button. -Global Or Individual One-Touch On Or Off Control - Turn On or Off Lights. Choose An Individual Locomotive Or All Proto-Sound 2.0 Equipped Locomotives To Be Affected
- Diagnostic Memory Features - Proto-Sound 2.0s Digital Command System Provides Sophisticated Monitoring Information Of Engine Statistics Including Locomotive Model Type, Model Name, Scale Miles Traveled And All Current Proto-Sound 2.0 Settings. It Is A Perfect Way To Authenticate An Engine's

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How Proto-Sound 2.0 Forced M.T.H. To Rethink M.T.H. Locomotive Design:

With the advent of the latest version of Proto-Sound, M.T.H. had to take a long hard look at our locomotive product line designs. Because of the revolutionary changes Proto-Sound 2.0 provides model railroad operators, many existing features in M.T.H. locomotives had to be redesigned. For example, Proto-Sound 2.0's ability to control various functions of an M.T.H. engine forced those systems to be compatible with the new sound and train control system. Lighting previously controlled by stand-alone circuit boards is now controlled by the Proto-Sound 2.0 system. Redesigned smoke units now have their output controlled by the system, and a new lower-voltage Proto-Coupler system forced the redesign of the old Proto-Coupler.

Each of these improvements required either redesign or changes to their older counterparts in order to operate in locomotives equipped with Proto-Sound 2.0. Even the chassis have been replaced or redesigned to allow for the new electronic components. The end result: not only do today's model railroaders have a state-of-the-art sound and train control system, they actually have redesigned locomotives. Fortunately, these new designs and components allow new M.T.H. Proto-Sound 2.0-equipped locomotives to remain completely compatible with our past Proto-Sound-equipped engines. This means you can run a new Proto-Sound 2.0 engine with an older Proto-Sound engine without incurring any operational problems. What it doesn't allow, at least today, is the ability to bring those older engines up to today's Proto-Sound 2.0 standards.



LIGHT SMOKE MEDIUM SMOKE HEAVY SMOKE



Now you can set the amount of smoke your engines output.

GO TO www.protosound2.com

Proto-Sound 2.0 Digital Command System vs. Conventional Operation

The terms sound confusing and can overwhelm the inexperienced train operator, but really the concepts are quite simple. "Command-Ready" components, whether they be the Digital Command System or another manufacturer's system, are simply locomotives or accessories that can interface with the proprietary system they were designed for. When in "Command Mode", an operator has configured his or her layout for an operating environment that allows every component within that layout to be communicated with directly and independently from a common communication source (usually a remote control). This is usually accomplished by completing the procedures to enter command mode and then turning up the transformer controlling the desired track block (or entire layout) to full voltage. The accessories and locomotives operating in these blocks are now configured to ignore the track voltage and instead will respond to commands from the communication source to activate various features (direction, speed, operation of accessory, etc.). Because each accessory or locomotive is responding to signals from the communication source independently, multiple operations can occur at the same time. Thus two or more engines can function on the same track (at different speeds) even though the track voltage is the same and is controlled by the same transformer.

Conventional operation is just the opposite. Every accessory or locomotive on a given track block will respond at the same time to the transformer voltage being applied to the track block. Individual control over various actions of each locomotive or accessory is prohibited. However, every engine or accessory can operate with other manufacturer's accessories or locomotives when in Conventional Mode, regardless of whether these items are outfitted to be Command Ready. Therefore, whenever you are operating in Proto-Sound 2.0 Conventional Mode you are guaranteed that every other manufacturer's products, including all earlier versions of Proto-Sound, will function with your Proto-Sound 2.0 equipped locomotive.

Operating Proto-Sound 2.0 is simple. Just put your engine on the track, right out of the box. As soon as you power-up your transformer, you will hear the authentic sounds of your diesel, steam, or electric engine awaken as it awaits your command to start moving. Your transformer's throttle and its whistle button activate all the conventional Proto-Sound 2.0 features listed. There is no need to purchase a whole new control system with dozens of buttons and keystrokes to memorize; Proto-Sound 2.0 works with almost any AC transformer. Of course, Walk-around freedom is also available for those interested in purchasing the Proto-Sound 2.0 DCS Remote Control. In fact, Proto-Sound 2.0's DCS Remote will control any Lionel® locomotive equipped with Trainmaster®, even when running in Command Mode. Operate both Lionel® Trainmaster® equipped engines and Proto-Sound 2.0 DCS equipped engines at the same time. Its one solution for multiple engines. To operate Digital Command System features, simply enter Command Mode and begin using the Digital Command System Remote Control to activate your locomotive and accessories. If you wish to operate in Conventional Mode, you can still use your Digital Command System Remote Control or any remote control system, including the Z-4000 Remote. The only features you won't be able to access in Conventional Mode are Digital Command System features.



Control virtually everything on your layout from locomotives to accessories to switches. It's as easy as a touch of a button.



CHOOSE YOUR POWER & REMOTE CONTROL OPTIONS

M.T.H. now offers three excellent options for model railroaders looking to break away from a stand-alone transformer: the RailKing IR Remote Control System, the Z-4000 Remote Control System and the DCS Remote Control System required for use with our revolutionary new Digital Command System. If you are looking for the easiest and most advanced remote control to operate your locomotives equipped with the original version of Proto-Sound, the Z-4000 Remote is a great choice. But if you want to take full advantage of all the amazing features provided by the ground-breaking new Proto-Sound 2.0 and Digital Command System, you'll need the DCS Remote Control.

RailKing IR Remote Control System

The RailKing Remote Control system could not be easier to use. It controls locomotive speed and other features available on your MTH locomotive as simply as a television remote control, from as far away as fifteen feet and functions with any manufacturer's locomotives and transformers. Enjoy the ease of operating your train set from anywhere in the room



IR Remote Control System
Item No. 50-1012
\$49.95

IR Remote Control
Item No. 50-1011
\$39.95

IR Remote Remote Lock-on
Item No. 50-1013
\$14.95



Z-4000™ Remote Control System

If you want to operate your model railroad in a new yet familiar way with the freedom of a wireless hand-held controller, M.T.H. Electric Trains has the perfect solution: the Z-4000 Remote Control System.

This system interfaces quickly and easily with up to three the powerful 400 Watt Z-4000 Transformer to bring simple, portable control to your model railroad empire in ways not found in our competitors' remote control systems. Simple design with easy-to-use functionality make the Z-4000 Remote Control System a great remote control system for model railroaders looking to break away from a stand-alone transformer.

Equipped with features that simplify and enhance operating your trains, the Z-4000 Remote Control System is similar enough to the Z-4000 transformer to have you up and running your trains in minutes. Get down to track level, follow your trains around, or operate from the comfort of your easy chair. It's all possible thanks to the fun and excitement of the Z-4000 Remote Control.



Z-4000 Remote Control System
(1) Remote Handheld
(1) Remote Receiver
Item No. 40-4001
\$79.95

Z-4000 Remote Receiver

Z-4000 REMOTE FEATURES

LCD Display - The handheld LCD Display informs the user of the commanded track voltage during normal train operation and simplifies Proto-Sound® feature selection during programming.

Controls Two Tracks - Using the Track Selector Switch, operators can switch between two different tracks on the fly. The Z-4000 Remote Control Handheld will remember each track's settings and display them when the track is selected.

Rotary Throttle Dial - Simply roll the thumb-wheel style throttle on the Remote Control Handheld upward or downward to control the speed of your trains. The rotary style throttle enables switching between active tracks while retaining the previous throttle setting. It also doubles as a Program Mode selector by allowing the user to scroll through Proto-Sound® features.

Bell Button - Activates the bell sound in any manufacturer's sound-equipped engines. The button is also used to select a feature in the Program Mode when programming any Proto-Sound®-equipped locomotives.

Whistle/Horn Button - Activates the whistle or horn sound in any manufacturer's sound-equipped engines. The button is also used to activate the Proto-Coupler® found on any Proto-Sound®-equipped locomotives.

Program Button - Enables the user to toggle in and out of the Program Mode when programming any Proto-Sound®-equipped locomotives.

Direction Button - Interrupts the track power to allow any manufacturer's engine to change direction.

Boost/Brake Button - Self-centering rocker switch that allows users to accelerate or decelerate any manufacturer's locomotive during operation, independent of the throttle setting. Releasing the button will return the throttle voltage to the previously selected setting.

Emergency Stop Button - Immediately sets the commanded track voltage of both tracks to zero.

Simultaneous Operation With Z-4000 Transformer - Allows the user to control the track with either the Z-4000 stationary controls, the Z-4000 Remote Control Handheld's controls or both. The system automatically switches between the Z-4000 Remote Control Handheld and the Z-4000 Control Panel whenever a change in the controls is made.

Multiple Remote Control Operation - The Z-4000 Remote Control System allows for up to 3 individual Z-4000 Remote Control Handhelds to be used simultaneously with one Z-4000 Remote Control Receiver. Additionally, one Remote Control Handheld can control 3 Remote Control Receivers when attached to 3 Z-4000 transformers. For a total of 6 tracks.

Power Source Management - Built-in Sleep Mode allows Z-4000 Remote Control to go inactive when not in use, to preserve battery life.

Operates All Manufacturers' AC Powered Locomotives - Provides full conventional control of all AC 3-Rail trains when used in conjunction with a Z-4000 transformer, giving the operator the added freedom that can only be provided by a wireless hand-held remote control.

DCS Remote Control System

The Digital Command System (DCS) Remote Control provides the operator with more control and freedom than any other remote control unit. The DCS Remote lets you individually control each DCS-ready locomotive, switch, and accessory with the touch of a button on a single hand-held unit from as much as fifty feet away. Best of all, the DCS Remote Control is compatible with other command control systems, like Lionel's® Trainmaster® system. Now, all command control operators can use one DCS remote from MTH Electric Trains to control their Lionel® Trainmaster® equipped locomotives with their Proto-Sound 2.0 DCS equipped engines - all at the same time.

Each Proto-Sound 2.0 DCS Remote Control features state-of-the-art functionality that gives you unprecedented control over your model railroad. The DCS Remote interacts with the user in two different modes, each dependent on the types of engines you are operating, the types of transformers you are using, and whether you are operating in Digital Command or Conventional Modes.

DCS REMOTE FEATURES

Conventional Mode Locomotive Operation Features

- Bell and Horn/Whistle Control
- Track Voltage Control
- Conventional Mode Proto-Speed Control
- Emergency Stop
- Direction Control
- DCS Remote Control over Z4000 Transformer Programming Features
- Conventional Mode Proto-Effects Operation
- Proto-Coupler Operation

Digital Command Mode Locomotive Operation Features

- DCS Proto-Speed Control
- ProtoSmoke Variable Output Control
- Locomotive Lighting Control
- Automatic Locomotive Reset
- Emergency Stop
- One Touch Global Mute/UnMute
- One Touch Proto-Coupler Operation
- Adjustable Master Volume Control
- Global Locomotive Speed Control
- Proto-Dispatch Operation
- Proto-Doppler Sound Operation
- Command Mode Proto-Effects Operation
- Independent Volume Control
- Store up to 50 Different DCS-Equipped Locomotives at One Time
- Engine, Bell, Horn & Whistle Volume Adjustment
- Chuff Rate Selection Set Up
- Proto-Effects Set Up
- Proto-Doppler Sound Effects Set Up
- Proto-Speed Control Set Up
- Direction Control Set Up
- Proto-Smoke Output Set Up
- Locomotive Lighting Set Up
- Locomotive Consist Set Up
- Query Locomotive Information
- User Can Query, Set and Operate Track and Accessory Interface Units for Programming
- Digital Command Operations for up to 250 Accessories and 250 Individual Switches
- User Can Script, Record and Playback Train Routes



DCS Remote Control System
Item No. 50-1001
\$199.95

DCS Remote Control
Item No. 50-1002
\$129.95

DCS Track Interface Unit (TIU)
Item No. 50-1003
\$99.95

DCS Accessory Interface (AIU)
Item No. 50-1004
\$79.95



Z-4000™ Transformer

Operators of any O, S, or Standard Gauge locomotive, regardless of manufacturer, will appreciate the power and control features found in the 400-Watt Z-4000™ transformer - the only U.L. Approved 400-Watt RMS transformer available today. The transformer's control panel has a voltage display, amperage display, and horn, bell, direction, and programming buttons for two track outputs. Two additional fixed voltage outputs are also available, making the Z-4000 the perfect choice for operating locomotives and accessories.

Programming any Proto-Sound®-equipped locomotives simply requires the operator to scroll through the features on the LED display by using the whistle and direction buttons. Macro features have also been included in the Z-4000 transformer giving the Proto-Sound owner the opportunity to use popular Proto-Sound features, like directional lock-out, with just a few button clicks.

Perhaps the most exciting feature of the Z-4000 is its microprocessor-controlled operating system. There is actually a powerful computerized brain that makes the Z-4000 highly upgradeable. In fact, the Z-4000 has been designed so that add-ons like a walk-around throttle system will be easy and quick to install and use. This product has earned the UL listing mark.

Z-4000 TRANSFORMER FEATURES

- UL Listed To US and Canadian Safety Standards
- Pure Sine Wave Power Signal
- (2) 21v Variable Track Outputs
- (1) 14v Fixed-Voltage Output
- (1) 10v Fixed-Voltage Output
- Internal Cooling Fan
- On/Off Power Switch
- Expansion Port for Z-4000 Remote Control System
- Compatible As Power Source For All O Gauge AC-Powered Locomotives
- (2) Voltage LED Displays
- (2) Amperage LED Displays
- Resettable Circuit Breakers for Each Output
- Large Red LED Overload Indicator
- Large Green LED Power On Indicator
- Measures: 8 3/4" High, 11 1/8" Front to Back, 14 3/4" Wide



Z-4000™ Transformer
Item No. 40-4000
\$399.95

M.T.H. ELECTRIC TRAINS
O Gauge's Technology Leader

Premier Line

The M.T.H. Premier Line offers railfans superior 1/4-inch scale models in the O Gauge market. M.T.H. Premier Line products are of a variety and quality distinctive enough to satisfy the passions of even the most discriminating model railroader.

Premier Steam locomotives have all the features model railroad operators need to create dramatic and realistic layouts. The M.T.H. Premier Steam Locomotives display the highest quality craftsmanship, which is evident in their handsome detail. Each of the Premier Steam Locomotives includes die-cast boiler and tender construction, flywheel-equipped power from Pittman® motors, billowing smoke from the new ProtoSmoke® system. And it is impossible to overlook the commanding power demonstrated by all Premier steam locomotives. You can now create an even stronger illusion of reality than before, thanks to the revolutionary new Proto-Sound® 2.0 With Digital Command System (DCS), which gives you more power and more options than ever before. You'll be able to customize the operation of your layout in ways that have not been possible in O Gauge railroading before now. See the Proto-Sound® 2.0 section of the catalog for more details about these exciting new systems.

Our Premier Diesel Engines are in a class by themselves. The outstanding workmanship exhibited on each engine offers every model railroader who adds one to his or her collection or miniature empire a great sense of pride in ownership. Diesel Engines in the M.T.H. Premier Line feature two flywheel-equipped motors and the impressive new Proto-Sound® 2.0 system, which includes the new, easy-to-use remote uncoupling Proto-Coupler® system. Many of the Diesels also feature the new ProtoSmoke® smoke system, which produces such remarkably realistic smoke you would swear you were out on the actual rails experiencing the real thing! Included among our other distinctive features are metal grill details, spinning roof fans, operating marker lights, and illuminated number boards.



Model railroad operators will applaud our Premier Line Rolling Stock's enhanced features. For example, many of our Premier Line Caboosees now contain additional detail like attractive and extensive interior decor and overhead lighting. At M.T.H. our mission is to offer the best possible quality to all railroad fans. That is why we constantly strive to improve and enhance our existing products and at the same time create ingenious new ones.

*As you explore the Premier Section of our
Year 2000 Volume 2 Catalog,
let your imagination and enthusiasm guide you
as you discover a level of
O Gauge excellence and excitement that
can only be found in M.T.H. trains!*



PREMIER STEAMER

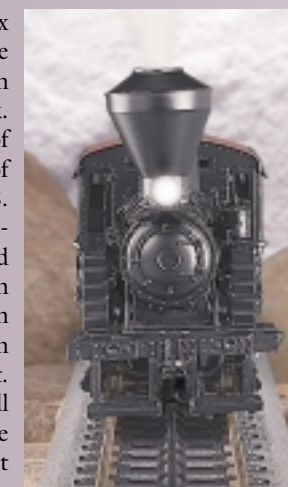


Add a 6-Car Flat Car with Logs Set
See Page 37

Climax Logging Steam Engine

Geared locomotives like the Climax Steam Engine were created to ensure high tractive effort and adhesion when running at slow speeds on poor track. The Climax Manufacturing Company of Corry, Pennsylvania built about 1,100 of these engines between 1888 and 1928. These engines were popular where lumber was harvested and other specialized industrial work took place, especially in northern New England, the Appalachian Mountains, the upper Midwest, northern California, and the Pacific Northwest. Many of these locomotives were still operating well into the 1960s and are fondly remembered as one of the most exciting locomotives to watch.

The Climax Steam Engine differed dramatically from the conventional rod-driven steam locomotive in that



it was driven by a crankshaft that powered the trucks with a network of gears. With trucks instead of big drive wheels, a fast exhaust, and slow speed (15-20 mph was the engine's top speed), the Climax bore little resemblance to other steam power. Geared engines like the Climax negotiated grades of up to 10% rather easily, and could hold the rail on track that routinely derailed many conventional locomotives. Working far from the shops, as it generally did, the Climax was rugged and easy to maintain, enduring incredible strain as it negotiated tough routes.

The M.T.H. Premier Climax Steam Engine, the first ever in O Gauge, boasts authentic detail. This Premier Locomotive is available with HillCrest Lumber Company markings and includes the special features listed.

HillCrest Lumber Co.
Climax Logging Steam Engine
Item No. 20-3039-1, w/Proto-Sound® 2.0
Item No. 20-3039-2, 2-Rail

\$1099.95 20-3039-1 w/Proto-Sound® 2.0
\$1099.95 20-3039-2 w/2-Rail

FEATURES INCLUDE

- Die-Cast Boiler and Tender Bodies
- Constant Voltage Headlight
- Die-Cast Truck Sides
- Precision Flywheel-Equipped Motor
- **Redesigned Remote Controlled Proto-Coupler®**
- 2- or 3-Rail Versions
- Metal Handrails and Decorative Whistle
- Illuminated Cab interior
- Metal Engineer and Fireman Figures
- **Redesigned Operating ProtoSmoke® System**
- Operates on O-42 Curves
- **3-Rail Version Comes Equipped with All-New Proto-Sound® 2.0 with Digital Command System Featuring Lumber Yard Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 13" x 2 1/2" x 4 1/4"



PREMIER STEAMER



NEW



Add a Union Pacific 5-Car Passenger Set
See Page 43

Union Pacific FEF 4-8-4 Northern Steam

One of the most celebrated locomotive series in railroading history, Union Pacific's Mighty "800's" established new standards for performance upon their debut in the 1930s. Initially used for heavy passenger work, the 800s later moved to fast-freight service, proving themselves as outstanding examples of design and wheel configuration use. One of the early FEFs (UP shorthand for "four-eight-four") stood up to a 1938 national speed test, hitting the 102 mph mark with a 1,000 ton load, outstripping the competition put up by Pennsylvania and Chicago NorthWestern.



In 1962, the UP's #844 (the last of the series) was reconditioned and renumbered 8444. Currently, the 8444, which was never retired from service, has regained its original 844 number and now sports an all-black paint scheme. A featured engine at Railfair™ '99 in Sacramento, she remains an active national treasure for all railroading fans to enjoy, frequently providing motive power for railfan excursions.

M.T.H. is proud to present a scale model of this legendary engine. Our UP FEF 4-8-4 Northern Steam Engine provides realistic detail and the features listed.

Union Pacific
FEF 4-8-4 Northern Steam Engine
Item No. 20-3044

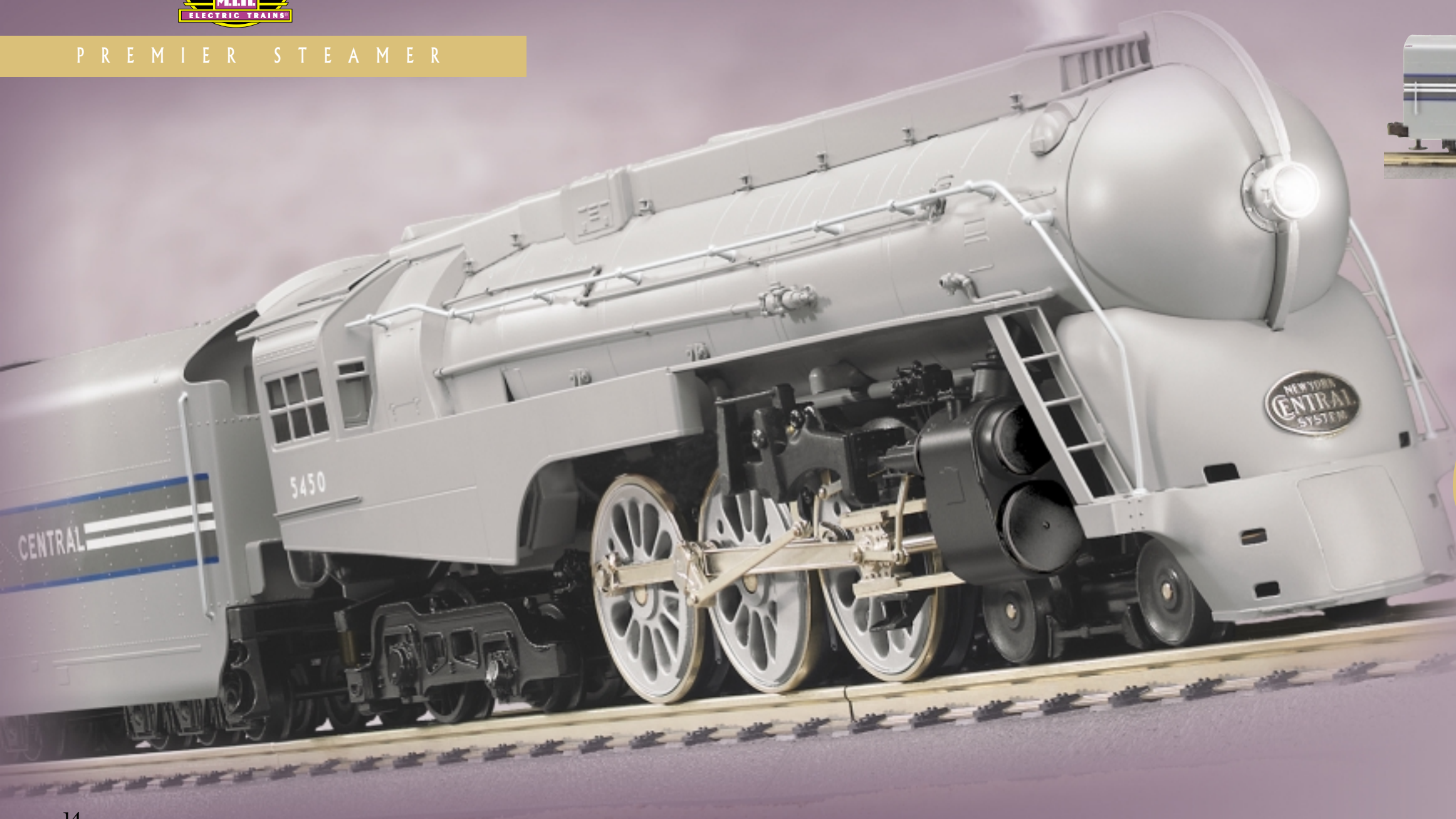
\$999.95 20-3044-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Die-Cast Boiler and Tender Bodies
- Constant Voltage Headlight
- Die-Cast Truck Sides
- Precision Pittman® Flywheel-Equipped Motor
- **Redesigned Remote Controlled Proto-Coupler®**
- Metal Handrails and Decorative Whistle
- Lighted Cab interior
- Metal Engineer and Fireman Figures
- **Redesigned Operating ProtoSmoke® System**
- Operates on O-54 Curves
- **All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 28 3/8" x 2 1/2" x 4"



PREMIER STEAMER



NEW



Add a New York Central 5-Car Passenger Set
See Page 43

New York Central 4-6-4 Dreyfuss Steam

As public interest in aerodynamics increased in the 1930s, the railroads faced pressure to be--or at least to look--faster and more modern. Their answer was the streamliner, a smooth cover for the utilitarian and bulky steam engine. Henry Dreyfuss's 1938 design for the New York Central's Hudson was undoubtedly the twentieth century's most successful effort at streamlining a steam engine. Rather than replicating the shroud-like drapes previous designers had used to cover, and try to disguise, the steam engines, Dreyfuss chose to work with the lines of the engine itself. He left most of the lower running gear exposed to make routine maintenance easier to



perform, and he kept the shape of the cover close to the engine's body. It was his elegant, sleek touches--the spherical front, covered domes, and extended tender--that gave this handsome streamliner its distinctively modern look and made it the symbol of the NYC, used in emblems and advertising for years to come.

M.T.H. introduces in our Premier line this prototypical scale model of Dreyfuss's famous Twentieth Century Limited. This streamlined 4-6-4 Hudson model accurately depicts realistic details, and the standard and optional features you have come to expect from M.T.H.

New York Central
4-6-4 Dreyfuss Steam Engine
Item No. 20-3045

\$899.95 20-3045-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Die-Cast Boiler and Tender
- Constant Voltage Headlight
- Die-Cast Truck Sides
- Real Coal Load
- Precision Pittman® Flywheel-Equipped Motor
- **Redesigned** Remote Controlled Proto-Coupler®
- Firebox Glow
- Driver Illumination Lights
- Metal Handrails and Decorative Whistle
- Lighted Cab interior
- Metal Engineer and Fireman Figures
- **Redesigned** Operating ProtoSmoke® System
- Operates on O-42 Curves
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately:
25 1/2" x 2 3/4" x 3 3/4"



Union Pacific
3-Car Weed Sprayer Set
Item No. 20-2251

\$379.9520-2251-1

FEATURES INCLUDE

- 1 Sprayer Unit
- 2 Tank Cars

SPRAYER UNIT FEATURES

- Operating Headlight
- 5 Operating Red Marker Lights
- 1 Flashing Light
- Interior Lighting
- Precision Flywheel-Equipped Motor
- **2 New** Remote Controlled Proto-Coupler®
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Weed Killing Proto-Effects™
- The exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizeable, Downloadable Sounds
 - Simultaneous TMCC Operation
 - Many, Many More
- Weed Sprayer Unit Measures Approximately: 13 3/16" x 4 1/8" x 2 3/4"
- Each Tank Car Measures Approximately: 10" x 3 1/2" x 2 3/8"

Weed Sprayer Set

Railroad vegetation control around the tracks has always been a difficult but essential task. Vegetation can pose dangers not only by limiting visibility but also by causing slippage when it gets on the tracks, holding in moisture that speeds deterioration of railroad equipment, and posing a fire hazard. Early on, railroads employed manual labor--men with sickles and saws--to do the backbreaking work. From there the railroads tried several other methods, including the risky move of burning the vegetation out. However, the real breakthrough came in the 1950s-60s when new spraying technology allowed the railroads a much more efficient means of controlling the weeds around their tracks. Although the herbicides used are often hazardous, they

prove, with the proper precautions mandated by law, to be the safest and most effective method to date. Some railroads contracted out their weed spraying chores, while others, like Union Pacific, built their own cars especially to handle the important job.

M.T.H. continues its commitment to offer model railroaders the wide variety of equipment necessary to make your layouts realistic. Add a touch of authenticity to your railroad with this essential piece of maintenance of way equipment. This self-powered 3-car Weed Sprayer Set includes the sprayer itself and two tank cars with hazardous materials warnings and comes complete with the list of features shown.

NEW



PREMIER DIESEL



NEW

Milwaukee Road
DL-110 Powered B Unit Diesel Engine
Item No. 20-2222-3

\$229.9520-2222-3



NEW

Santa Fe
DL-110 Powered B Unit Diesel Engine
Item No. 20-2223-3

\$229.9520-2223-3

FEATURES INCLUDE

- Durable ABS Body
- Stamped Metal Chassis
- Die-Cast Trucks with Metal Wheels, Axles, and Gears
- Die-Cast Fuel Tank
- Metal Couplers
- Operates on O-42 Track
- Stainless Steel Body Grills
- 2 Flywheel-Equipped Motors
- DCRU® Electronic Reverse Unit
- Measures Approximately: 18 7/8" x 2 3/8" x 3 1/2"

DL-110 Powered B Unit Diesel Engine

After having put streamlined covers on their steam passenger locomotives, railroads were eager to order the newly available streamlined diesel engines, and locomotive shops competed for this new line of business. In 1940, Alco responded to Electro-Motive's plans to produce its first streamlined road passenger diesels (the E Units) by manufacturing its own twin engine 2000 horsepower unit, the DL-109. While many railroads simply used two DL-109s back-to-back, there was in fact a B-unit of the engine, also known as the DL-110. Like most B-units, these DL-110s did not have controls but were powered boxes, which added another 2,000 horsepower to the locomotive. The addition of the streamlined B-unit to the DL-109 not only doubled the

engine's power but also made for a long, sleek locomotive, which looked impressive and modern pulling its streamlined passenger consist.

The Milwaukee Road and Santa Fe were well known as extraordinary and colorful lines. The M.T.H. Premier Line DL-110 clearly reflects the characteristics of these historic roads with their beautiful paint schemes recreated on each powerful O Gauge locomotive. These DL-110 units will be the perfect and unique addition to the DL-109s already in your collection. Each engine comes equipped with the long list of features shown.



PREMIER DIESEL

Genesis Diesel Engines

By the late 1980's, Amtrak was searching for a replacement for its outdated and aging fleet of F40PH and GP-40s. Weary of getting more locomotives that were really designed for freight operation, Amtrak searched for a new, lightweight, high-tech alternative. General Electric provided Amtrak with an answer with its unveiling of the "Genesis." Featuring a monocoque frame, advanced electronics, and special environmental and safety features, the Genesis represents the state-of-the-art in U.S. passenger service.



While GE officially designated these engines as model AMD-103 (for Amtrak Diesel-103 mph), they are popularly called the Genesis engine because they represent an entirely new stage in passenger locomotive technology. Forty-four of these 4,000 hp engines, numbered 800-843, were delivered between April and December 1993.

The M.T.H. Premier Line Genesis is as state-of-the-art as the original. We are especially proud to present the Genesis not only with Amtrak's own markings but also Amtrak #100 as it appears in the unique paint of the U.S. Postal Service's Celebrate the Century Express™, the train commemorating the Postal Service's long-lasting association with the railroad industry. Our scale reproduction of the Genesis prototype brings you everything you have come to expect from M.T.H. diesels, including the standard features listed.



Add a Matching Set of Amtrak Amfleet Cars - See Page 47



Add a Matching Set of Amtrak Amfleet Cars - See Page 47



Add United States Postal Service Commemorative Cars - See Page 35

Amtrak, 5-Stripe, Genesis Diesel Engine
Item No. 20-2229

\$329.9520-2229-1 w/Proto-Sound® 2.0

Amtrak, 3-Stripe, Genesis Diesel Engine
Item No. 20-2230

\$329.9520-2230-1 w/Proto-Sound® 2.0

United States Postal Service, Genesis Diesel Engine
Item No. 20-2244

\$329.9520-2244-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Durable ABS Diesel body
- Metal Chassis
- Die-Cast Truck Sides, Pilots, and Undercarriage Details
- Operates on O-31 Track
- Directionally Controlled Headlights
- Illuminated Number Boards
- 2 Precision Flywheel-Equipped Motors
- **2 Redesigned Remote Controlled Proto-Couplers®**
- Lighted Cab Interior
- 2 Engineer Cab Figures
- **Redesigned Operating ProtoSmoke® System**
- Spinning Roof Fan
- Metal Grab Rails and Horn
- Stainless Steel Grills
- Lighted Marker Lights
- **All-New Proto-Sound® 2.0 with Digital Command System** Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
18 1/2" x 2 1/2" x 3 3/4"



PREMIER DIESEL



NEW



Union Pacific
DC-3 Rail Inspection Car
Item No. 20-2242

\$349.95 20-2242-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed ABS Body
- Die-Cast Trucks, Pilots and Undercarriage Detail
- Operates on O-72 Track
- Metal Handrails and Decorative Horn
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors
- All Metal Wheels and Gears
- Lighted Cab Interior
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 19 5/8" x 2 1/2" x 4"

Union Pacific DC-3 Rail Inspection Car

Like many railroads, Union Pacific maintained its own fleet of inspection cars, including rail detector cars, which use a magnetic induction method to check track for rail flaws. They checked each of the main lines three or four times a year and every branch at least once per year. Because these cars often stayed out for long stretches at a time, particularly during the summer months, UP DC-3 was remodeled in 1957 to include living quarters for its four-man crew.



M.T.H. presents this essential piece of non-revenue equipment in a 1:48 scale reproduction. With its authentic detail, it will add a touch of authenticity to any model railroad. Check your rails today!



PREMIER ELECTRIC



NEW

Add a Pennsylvania 5-Car Madison Passenger Set
See Page 39

Pennsylvania P5a Modified Electric

While the Pennsy P5a is often overshadowed by its famous peer, the GG-1, the P5a is a rugged and long-lasting locomotive in its own right. First planned and built in 1931 by a team consisting of PRR's electrical staff, General Electric, and Westinghouse, the P5 series continued to haul passenger and freight trains into the 1960s. The P5s were initially designed for passenger service, but the entire fleet of 92 P5s were eventually assigned to the freight pool. The streamlined modifieds were still sometimes used to power passenger consists when they were needed.



With 3,750 pounds of continuous horsepower and a short-term rating of 6,500 maximum hp, the P5a was an efficient source of power for the Pennsylvania Railroad. Its success as a reliable freight locomotive certainly made possible the PRR's extensive catenary empire, composed of approximately 2200 track miles.

M.T.H.'s scale reproduction of this unique and versatile engine will perform handsomely at the head of either a passenger or freight train on your own railroad. It comes complete with accurate detail and the features listed.

Pennsylvania
P5a Modified Electric
Item No. 20-5510

\$599.9520-5510-1 w/Proto-Sound® 2.0
\$599.9520-5510-2 w/2-Rail

FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed Die-Cast Body
- Die-Cast Trucks, Pilots and Undercarriage Detail
- **2 Redesigned** Remotely Controlled Proto-Couplers®
- Operates on O-42 Track
- Operating Metal Pantographs
- Metal Handrails and Decorative Horn
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors
- All Metal Wheels and Gears
- Lighted Cab Interior
- 2 Engineer Cab Figures
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizeable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 16 1/2" x 2 3/4" x 4"



PREMIER ELECTRIC

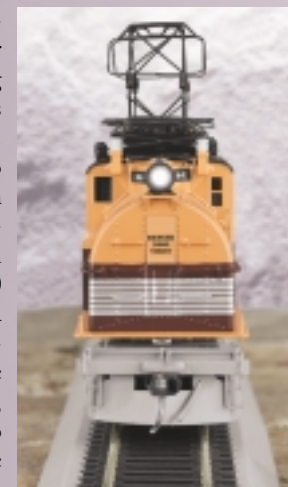


NEW

Add a Milwaukee Road 5-Car Passenger Set
See Page 43

Milwaukee Road E-2 Bi-Polar Electric

In 1919, as America celebrated the one-year anniversary of the end of World War I, General Electric was busily developing a group of powerful electric locomotives that would revolutionize the industry. The Bi-Polar Gearless Electrics were 76 feet long and weighed 265 tons. With their enormous power--they continuously produced 3,200 hp and a maximum starting tractive effort of 123,500 pounds--the Bi-Polars handily defeated a series of steam locomotives in the showing contests staged for them. At the then-staggering cost of \$200,000 each, however, many railroads found it too expensive to own large fleets of these engines. Milwaukee Road, closely iden-



tified with the Bi-Polars, owned only 15 of these engines, but they formed the backbone of the road's passenger service, powering trains over the mountainous western routes.

M.T.H. is proud to present a scale replica of the only surviving member of the Milwaukee Road's Bi-Polar fleet: the E-2. We are making this reproduction available in both 2-rail and the classic 3-rail versions. Our 3-rail engine with Proto-Sound 2.0 accurately reproduces the famous clang-clang of the bell and the high-pitched whistle associated with these almost silent engines.

Milwaukee Road
E-2 Bi-Polar Electric
Item No. 20-5511

\$649.9520-5511-1 w/Proto-Sound® 2.0
\$649.9520-5511-2 w/2-Rail

FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed Die-Cast Body
- Die-Cast Trucks, Pilots and Undercarriage Detail
- **2 Redesigned** Remotely Controlled Proto-Couplers®
- Operates on O-54 Track
- Operating Metal Pantographs
- Metal Handrails and Decorative Horn
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors
- All Metal Wheels and Gears
- Lighted Cab Interior
- 2 Engineer Cab Figures
- **The 3-rail version comes with All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizeable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 20" x 2 1/2" x 4 1/4"



PREMIER DIESEL

FM Trainmaster Diesel Engines

The Trainmaster, a name synonymous with model railroading and easily one of the most famous diesel locomotives ever to run the rails, began its life during World War II in Fairbanks Morse's Wisconsin shops. However, production was delayed for several years when first wartime submarine production then other projects intervened.

Fairbanks Morse saw an opportunity in the changing railroad market of the early 1950's, and the Trainmaster with its massive 2,400 horsepower opposed-piston engine burst upon the railroad world in 1953.

The H-24-66 (Hood, 2,400 hp, 6 motors, 6 axles) Trainmaster took the Railroad Manufacturers' Supply Association show where it premiered by storm. It racked up 32 orders for its first year of production. Ultimately 105 Trainmasters were sold to eight US railroads and another 22 engines were sold in Canada.

Featuring an all-metal chassis and two powerful, flywheel equipped motors, the M.T.H. Trainmaster is capable of pulling almost any consist. We offer the Trainmaster in the colors of the Southern Pacific and Virginian railroads, complete with the standard features listed.



Add a Virginian 6-Car Freight Set - See Page 37



Virginian, (Blue/Yellow)
FM Trainmaster Diesel Engine
Item No. 20-2231

\$329.9520-2231-1 w/Proto-Sound® 2.0

Virginian, (Black/Yellow)
FM Trainmaster Diesel Engine
Item No. 20-2232

\$329.9520-2232-1 w/Proto-Sound® 2.0

Southern Pacific
FM Trainmaster Diesel Engine
Item No. 20-2233

\$329.9520-2233-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Directionally Controlled Headlights
- Durable ABS Diesel Body
- Die-Cast Trucks, Pilots and Fuel Tank
- **2 Redesigned Remote-Controlled Proto-Couplers®**
- Operates on O-31 Track
- **Redesigned Operating ProtoSmoke® System**
- Metal Handrails and Horn
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors
- All Metal Gears
- Lighted Cab Interior
- 2 Engineer Cab Figures
- **All-New Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 15" x 2 1/2" x 3 3/4"



PREMIER DIESEL



Add a Santa Fe 5-Car Passenger Set - See Page



Add an Illinois Central 5-Car Passenger Set - See Page 43



Add an Erie 5-Car Passenger Set - See Page 43



Add a Chicago Northwestern 5-Car Passenger Set - See Page

E-8 ABA Diesel Engine Sets

Built in the early 50s, the E-8 was one of the most popular of EMD's Diesel "E" Series locomotives. The E-8 was, in fact, one of the last locomotives to sport the streamlined "Bulldog" nose first seen on EMD's E and F units of the 1940s.

The 6,750 horsepower E-8 ABA set-up routinely pulled passenger trains on most major express routes at speeds up to 100 mph. Unfortunately, the drastic decline in passenger service during the 1960s led many railroads to transition from the streamlined beauty of the E-8 to the more utilitarian general-purpose locomotives that dominated the railroad landscape for the next 20 years.



The E-8 returns to the M.T.H. Premier line-up in four outstanding paint schemes: Santa Fe, Chicago NorthWestern, Erie, and Illinois Central. Each engine will look right at home pulling matching passenger cars on any O Gauge layout--no matter how steep the grade--thanks to the four motors found inside the two powered A Units. In addition to the four-motor power, the 2000 E-8 ABA sets feature incredible detail, including spinning roof fans, opening cab doors, separate metal handrails, illuminated number boards and lighted marker lights. They come equipped with the other standard features listed.

Santa Fe, E-8 ABA Diesel Engine Set
Item No. 20-2234

\$649.9520-2234-1 w/Proto-Sound® 2.0

Illinois Central, E-8 ABA Diesel Engine Set
Item No. 20-2235

\$649.9520-2235-1 w/Proto-Sound® 2.0

Erie, E-8 ABA Diesel Engine Set
Item No. 20-2236

\$649.9520-2236-1 w/Proto-Sound® 2.0

Chicago Northwestern, E-8 ABA Diesel Engine Set
Item No. 20-2237

\$649.9520-2237-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed ABS Bodies
- Die-Cast Trucks, Pilots and Fuel Tanks
- Two **Redesigned** Remotely Controlled Proto-Couplers® on Each ABA Set
- Operates On O-31 Track
- Metal Handrails and Decorative Horn
- Spinning Roof Fans
- Opening Cab Doors
- Illuminated Number Boards
- Lighted Marker Lights
- **Redesigned** Operating ProtoSmoke® System
- Metal Chassis
- 2 Precision Flywheel-Equipped Motors in Each A Unit
- All Metal Wheels and Gears
- Lighted Cab Interior
- 2 Engineer Cab Figures in Each A Unit
- **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- ABA Set Measures Approximately:
54 7/8" x 2 1/2" x 3 5/8"



PREMIER DIESEL

FA-2 ABA Diesel Engine Sets

The original FA-2 prototype generated the equivalent of 1600 horsepower with its twelve cylinder 244 engine. First built by Alco in the early 1950s, the FA-2 Locomotive Engine is characterized by its flatnose cabs and its Alco-GE grille seen around the headlight. The FA-2 prototype was 53 feet 6 inches long, a couple of feet longer than the FA-1. This additional length allowed for a steam generator compartment at the rear of the second A-unit.

The original FB-2 Locomotive Booster prototype was a cab-less unit that matched its counterpart's 1600 horsepower. The FB-2 unit is distinguished by its B-B wheel arrangement and the location of its radiator shutters and fan, which are found considerably forward of the car body. The original FB-2 was 52 feet 8 inches long. The FB-2s, like the FB-1s, are built to allow room for a steam generator in the space where a cab is located in the A units.



The M.T.H. Premier FA-2 Diesel sets are available in the classic ABA arrangement proudly wearing the markings of a variety of roadnames:

Baltimore and Ohio, Canadian National, Great Northern, Lehigh Valley, and New Haven. They come equipped with the quality features listed that you have come to expect from the M.T.H. Premier line.

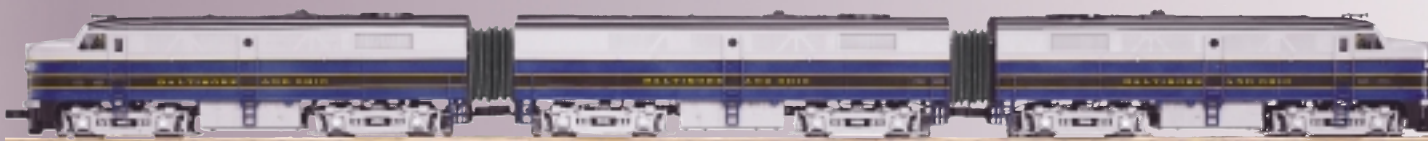


NEW



Add a New Haven 6-Car Freight Set - See Page

NEW



Add a Baltimore & Ohio 6-Car Freight Set - See Page 36

NEW



Add a Great Northern 6-Car Freight Set - See Page 37

NEW



Add a Lehigh Valley 6-Car Freight Set - See Page 37

NEW



Add a Canadian National 6-Car Freight Set - See Page 37

New Haven, FA-2 ABA Diesel Engine Set
Item No. 20-2238

\$599.9520-2238-1 w/Proto-Sound® 2.0

Baltimore & Ohio, FA-2 ABA Diesel Engine Set
Item No. 20-2239

\$599.9520-2239-1 w/Proto-Sound® 2.0

Great Northern, FA-2 ABA Diesel Engine Set
Item No. 20-2240

\$599.9520-2240-1 w/Proto-Sound® 2.0

Lehigh Valley, FA-2 ABA Diesel Engine Set
Item No. 20-2241

\$599.9520-2241-1 w/Proto-Sound® 2.0

Canadian National, FA-2 ABA Diesel Engine Set
Item No. 20-2243

\$599.9520-2243-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Directionally Controlled Headlights
- Intricately Detailed ABS Bodies
- Die-Cast Truck Sides, Pilots, and Fuel Tanks
- 2 **Redesigned Remote-Control Proto-Couplers®**
- Colorful Paint Schemes
- Operates on O-31 Track
- Metal Chassis
- Metal Handrails and Decorative Horn
- 2 Precision Flywheel-Equipped Motors in Each A Unit
- All Metal Wheels and Gears
- Lighted Cab Interior
- Illuminated Marker Boards
- Lighted Marker Lights
- 2 Engineer Cab Figures in Each A Unit
- **All-New Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™**
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- ABA Set Measures Approximately:
39 3/4" x 2 1/2" x 3 3/4"



PREMIER DIESEL

Add an Additional B Unit



New York Central, Alco PB Powered B Unit
Item No. 20-2025-3 \$229.95
Item No. 20-2025-5, 2-Rail \$229.95



Pennsylvania - Red 5, Alco PB Powered B Unit
Item No. 20-2026-3 \$229.95
Item No. 20-2026-5, 2-Rail \$229.95



Southern, Alco PB Powered B Unit
Item No. 20-2027-3 \$229.95
Item No. 20-2027-5, 2-Rail \$229.95



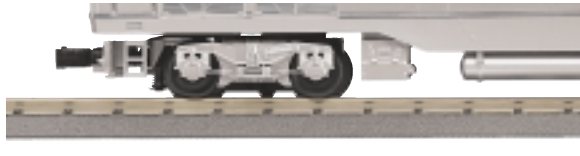
Santa Fe, Alco PB Powered B Unit
Item No. 20-2031-3 \$229.95
Item No. 20-2031-5, 2-Rail \$229.95



Union Pacific, Alco PB Powered B Unit
Item No. 20-2028-3 \$229.95
Item No. 20-2028-5, 2-Rail \$229.95



Southern Pacific, Alco PB Powered B Unit
Item No. 20-2029-3 \$229.95
Item No. 20-2029-5, 2-Rail \$229.95



Wabash, Alco PB Powered B Unit
Item No. 20-2030-3 \$229.95
Item No. 20-2030-5, 2-Rail \$229.95

Alco PB Powered B Unit

The post-World War II era was an exciting transition period for our nation's railroads. Practical, war-time productions gave way to more daring and glamorous streamlined diesels pulling newly equipped passenger trains. Introduced in 1946, the American Locomotive Company's PA and PB units made an instant impact on our railroads and railfans.

The Alco PA Diesel is one of the most beautiful locomotives ever to run the rails in its own right, but the addition of a B unit (also known as a PB) enhances the good looks and lengthens the sleek lines of this long, handsome engine. With its steam generator located in the front of the unit (as opposed to the rear location on the PAs), the PB added an additional 2,000 horsepower to the locomotive. Like most B units, the Alco PBs were essentially powered boxes without controls of their own, but when attached to a PA, they doubled the horsepower of the locomotive. The PA and PB units were produced between 1946-53 and powered such famous name trains as the Rio Grande's California Zephyr, the Santa Fe's El Capitan, and the New York Central's Pacemaker.

MTH now allows you to put your own PB diesel to the same use as the prototypes. Our powered B units will add power to your existing PAs, allowing you to pull longer consists. We offer this beautiful diesel unit in both 2- and 3-rail versions and in a wide variety of paint schemes designed to match those on the PA units we produced as far back as 1994. You can add them to a PA AA or ABA configuration to achieve the classic ABA line-up or simply hook it to one PA to provide a longer line in front of your streamlined passenger cars. The PB unit comes with the features listed.

FEATURES INCLUDE

- Durable ABS Body
- Stamped Metal Chassis
- Die-Cast Trucks with Metal Wheels, Axles, and Gears
- Die-Cast Fuel Tank
- Metal Couplers
- Operates on O-31 Track
- Stainless Steel Body Grills
- 2 Flywheel-Equipped Motors
- DCRU® Electronic Reverse Unit



O-SCALE ROLLING STOCK



O-31 St. Louis Gateway Route 40' Box Car
O-31 Corn Belt Route Steel Sided Stock Car
O-31 Moffat Tunnel Route 4-Bay Hopper

Union Pacific
Merger Series Freight Car Set
Item No. 20-90008 \$99.95



O-31 TP&W Box Car
O-31 ATSF Tank Car
O-31 BN 3-Bay Cylindrical Hopper

BNSF
Merger Series Freight Car Set
Item No. 20-90025 \$99.95

Merger Series Freight Sets

Continuing a tradition started in 1999, the year 2000 finds additions to MTH's Merger Series Freight Car Sets. This on-going series will cover the many mergers that America's railroads have been involved in over the years, allowing you both to collect entire family trees and to enjoy cars from railroads that are rarely modeled. Each series will span several catalogs, depending on how many railroads were swallowed up as they merged to become one large railroad. At this edition, we feature parts of the Burlington Northern Santa Fe, and Union Pacific mergers.

FEATURES INCLUDE

- Durable, intricately Detailed ABS Bodies
- Die-Cast 4 or 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful, Attractive Paint Schemes
- Most Cars Operate on O-31 Track
- Decorative Brake Wheels
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Box Car Doors
- Stamped Metal Floors (on most cars)
- 1:48 Scale Dimensions



O-Scale Rolling Stock

Simply put, no other O Gauge manufacturer has released the variety of rolling stock found in the MTH Premier Line. If you want to create or enhance a model railroad with exciting, realistic rolling stock, look no further than MTH Electric Trains.

MTH Premier Line Freight Cars feature precision molded ABS plastic bodies mounted atop die-cast, sprung trucks* with operating metal couplers. Each truck features needle-point axles and fast-angle metal wheels for a smooth-rolling, quiet ride. Each intricately detailed body sports an attractive paint scheme and detailed graphics that are bound to make these MTH Premier Scale Freight Cars stand out amongst your roster.

In fact, at MTH our designers are always searching for new ways to add more detail to our rolling stock. You'll find that all our Premier Line Caboosees now feature additional detail components like car interiors and separate metal handrails for even further realism.

FEATURES INCLUDE

- Durable ABS intricately Detailed Bodies
- Caboose Interiors With Overhead Lighting
- Die-Cast 4 or 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful, Attractive Paint Schemes
- Most Cars Operate on O-31 Track
- Decorative Brake Wheels
- Separate Metal Handrails (on cabooses)
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Cab Car Doors
- Stamped Metal Floors (on most cars)
- 1:48 Scale Dimensions

* Excluding some cabooses



O-31
McDonald's, Tank Car
Item No. 20-96021 \$42.95



O-31
NASA, Tank Car
Item No. 20-96020 \$42.95



O-42
Chessie, 100 Ton Hopper Car
Item No. 20-97420 \$44.95



O-42
Santa Fe, 100 Ton Hopper Car
Item No. 20-97421 \$44.95



O-31
Chicago Northwestern, Flat Car w/40' Trailer - CNW
Item No. 20-98118 \$49.95



O-31
Baltimore & Ohio, Flat Car w/48' Trailer - B&O Trailer Service
Item No. 20-98115 \$49.95



O-31
Norfolk Southern, Flat Car w/48' Trailer - NS Triple Crown
Item No. 20-98116 \$49.95



O-31
Santa Fe, Flat Car w/40' Trailer - ATSF
Item No. 20-98117 \$49.95

Perfect Complement for the USPS Genesis Diesel - See Page 19



O-31
USPS #1
Box Car - USPS Century Series #1
Item No. 20-93039 \$42.95

O-31
USPS #2
Box Car - USPS Century Series #2
Item No. 20-93040 \$42.95

O-31
USPS #3
Box Car - USPS Century Series #3
Item No. 20-9304 \$42.95



O-31
Delaware & Hudson, Jordan Spreader
Item No. 20-98242 \$69.95



O-31
Santa Fe, Jordan Spreader
Item No. 20-98243 \$69.95



O-27
Lehigh Valley, Snow Plow
Item No. 20-98244 \$59.95



O-27
Northern Pacific, Snow Plow
Item No. 20-98245 \$59.95



O-31
CSX, Coal Porter Hopper Car
Item No. 20-97419 \$42.95

6-Car Freight Sets



Union Pacific, 6-Car Freight Set
Item No. 20-90022 \$229.95

- O-54 20K Gal. 4-Compartment Tank Car
- O-42 50' Double Door Box Car
- O-54 Corrugated Auto Carrier
- O-31 Coalporter Hopper Car
- O-31 Rapid Discharge Hopper
- O-27 Steel Caboose



Union Pacific, 6-Car Freight Set
Item No. 20-90023 \$229.95

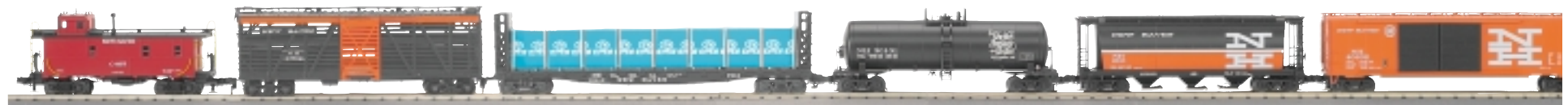
- O-27 4-Bay Hopper w/ Coal
- O-31 B-2 Hopper
- O-42 Flat Car w/ 20' trailer
- O-42 4-Bay Cylindrical Hopper
- O-27 Tank Car
- O-31 50' Waffle Box Car



Baltimore & Ohio, 6-Car Freight Set
Item No. 20-90026 \$229.95

- O-31 Box Car
- O-27 Tank Car
- O-42 Gondola w/ Junk
- O-42 Flat Car w/ Trailers
- O-31 4-Bay Hopper
- O-27 Bay Window Caboose

Perfect Complement for Baltimore & Ohio FA-2 Diesel Set - See Page 31



New Haven, 6-Car Freight Set
Item No. 20-90027 \$229.95

- O-27 50' Double Door Box Car
- O-31 3-Bay Cylindrical Hopper
- O-27 Tank Car
- O-42 Flat Car w/ Bulkheads
- O-31 Stock Car
- O-27 Steel Caboose

Perfect Complement for New Haven FA-2 Diesel Set - See Page 31



Great Northern, 6-Car Freight Sets
Item No. 20-90028 \$229.95

- O-31 Box Car
- O-42 Gondola w/ Cover
- O-31 Reefer
- O-42 100 Ton Hopper Car
- O-31 Coil Car
- O-27 Extended Vision Caboose

Perfect Complement for Great Northern FA-2 Diesel Set - See Page 31



Canadian National, 6-Car Freight Set
Item No. 20-90029 \$229.95

- O-31 Box Car
- O-31 Reefer Car
- O-42 Flat Car w/ Logs
- O-27 Tank Car
- O-31 3-Bay Cylindrical Hopper
- O-27 Extended Vision Caboose

Perfect Complement for Canadian National FA-2 Diesel Set - See Page 31



Lehigh Valley, 6-Car Freight Set
Item No. 20-90030 \$229.95

- O-31 50' Box Car
- O-42 Gondola w/ Junk
- O-42 Flat Car w/ 40' Trailer
- O-31 3-Bay Cylindrical Hopper
- O-31 4-Bay Hopper w/ Coal
- O-27 Steel Caboose

Perfect Complement for Lehigh Valley FA-2 Diesel Set - See Page 31



Hillcrest Lumber Co., 6-Car Freight Set
Item No. 20-98119 & 98120 \$229.95 (per set)
Both sets numbered differently

- O-42 Flat Car Set w/ Logs

Perfect Complement for HillCrest Lumber Co. Climax Steamer - See Page 11



Virginian, 4-Bay Hopper 6-Car Freight Set
Item No. 20-97063 \$229.95

- O-31 4-Bay Hopper

Perfect Complement for Virginian FM Trainmaster Diesels - See Page 27



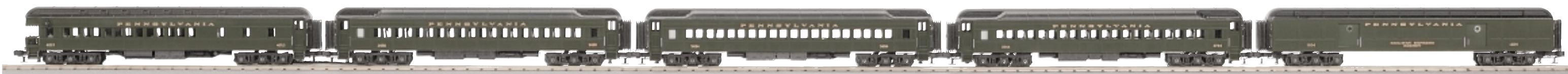
MADISON PASSENGER SETS

Madison Passenger

Over the years, M.T.H. has captured many beautiful paint schemes in our Madison passenger sets. Each two-car or five-car set features attractively decorated passenger cars with undercarriage detail, interior seating, overhead lighting, and rubber end-of-car diaphragms. The cars' durably constructed ABS bodies sit atop die-cast metal trucks with operating metal couplers. Each car measures approximately 18" in length.

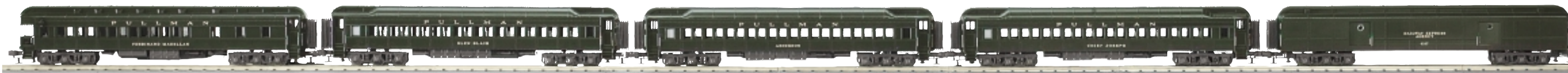
FEATURES INCLUDE

- Durable ABS Intricately Detailed Bodies
- Detailed Seat Interiors With Overhead Lighting
- Die-Cast 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful, Attractive Paint Schemes
- Operates On O-42 Curves
- 5-Car Sets Feature 1 Baggage, 3 Coaches & 1 Observation Car
- 2-Car Sets Feature 1 Combine and 1 Diner Car
- Decorative Brake Wheels
- Separate Metal Handrails
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Baggage Car Doors
- Undercarriage Detail
- Each Car Measures: 18 1/8" x 2 1/2" x 3 5/8"

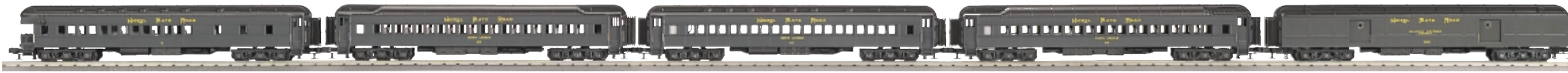


Pennsylvania, 5-Car 70' Madison Passenger Set
Item No. 20-4032 \$249.95

Perfect Complement Pennsylvania P5A Electric Locomotive - See



Pullman, 5-Car 70' Madison Passenger Set
Item No. 20-4033 \$249.95

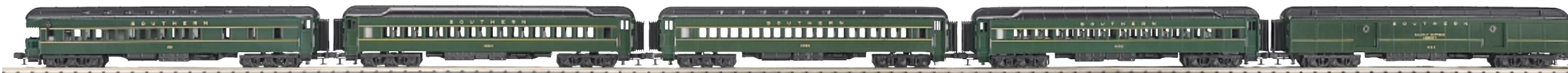


Nickel Plate Road Road, 5-Car 70' Madison Passenger Set
Item No. 20-4034 \$249.95

Perfect Complement for 1999 Nickel Plate Road 2-8-4 Berkshire Seamer



Lehigh Valley, 5-Car 70' Madison Passenger Set
Item No. 20-4035 \$249.95



Southern, 5-Car 70' Madison Passenger Set
Item No. 20-4036 \$249.95

Perfect Complement for 1994 Southern 4-6-2 PS-4 Steamer



MADISON PASSENGER SETS



Pennsylvania, 2-Car 70' Madison Comb/Din Passenger Set
Item No. 20-4132 \$99.95



Pullman, 2-Car 70' Madison Comb/Din Passenger Set
Item No. 20-4133 \$99.95



Nickel Plate Road, 2-Car 70' Madison Comb/Din Passenger Set
Item No. 20-4134 \$99.95



Lehigh Valley, 2-Car 70' Madison Comb/Din Passenger Set
Item No. 20-4135 \$99.95



Southern, 2-Car 70' Madison Comb/Din Passenger Set
Item No. 20-4136 \$99.95



Millennium, 2-Car 70' Madison Comb/Din Passenger Set
Item No. 20-4129 \$199.95

18k Gold Plated Finish with Platinum Rhodium Trim



Baltimore & Ohio, 4-Car 60' Aluminum Passenger Set- Ribbed
Item No. 20-6022 \$299.95



Santa Fe, 4-Car 60' Aluminum Passenger Set- Ribbed
Item No. 20-6023 \$299.95

4- Car Aluminum Passenger Sets

Remember the model railroads of yesteryear with these traditional 60-foot aluminum passenger cars. These beautiful 4-car passenger sets sport the distinctive styling that has made streamlined cars so popular over the years, and their old-fashioned extruded aluminum construction will bring a flood of nostalgia to everyone who loved model trains as a child. They are color-matched to go with our modern, powerful locomotives, giving you the best of both worlds. Each car features the same quality die-cast trucks that are standard on all our aluminum passenger cars. These trucks are outfitted with operating metal couplers, fast-angle wheels, and needle-point axles for a smooth, quiet ride.

FEATURES INCLUDE

- Die-Cast 4-Wheel Trucks
- Operating Die-Cast Couplers
- Fast-Angle Wheels
- Needle-Point Axles
- Silhouette Window Strips
- Two 3rd Rail Pick-ups per Car
- Operates on O-31 Track
- 2 Interior Bulbs per Car
- 4-Car Sets Include 1 Baggage Car, 1 Coach, 1 Vista Dome, and 1 Observation Car
- Measures Approximately: 15" x 2 1/2" x 3 3/8"



STREAMLINED PASSENGER SETS

It's hard to match the fun and beauty of a long, sleek passenger train speeding down the rails. Regardless of the roadname, colorful matching passenger cars and locomotives are what make running passenger trains so much fun.

M.T.H streamlined passenger sets offer unsurpassed detail, fit, finish and value for the O Gauge passenger car lover. Exceptional interior and exterior detail at affordable prices simply cannot be found elsewhere. Featuring undercarriage detail, interior seating, overhead car lighting and rubber end-of-car diaphragms, these passenger cars can be found in single, 2-car and 5-car configurations. Each car, measuring approximately 19 inches in length, sits atop die-cast metal trucks and features operating metal couplers.

FEATURES INCLUDE

- Durable ABS Intricately Detailed Bodies
- Detailed Seat Interiors With Overhead Lighting
- Die-Cast 4-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful, Attractive Paint Schemes
- Operates on O-42 Curves
- 5-Car Sets Feature 1 Baggage, 2 or 3 Coaches or Vista Domes & 1 Observation Car
- 2-Car Sets Feature 1 Sleeper and 1 Diner Car
- 2-Car Amfleet Sets Feature 1 Coach and 1 Cafe Car
- Decorative Brake Wheels
- Separate Metal Handrails
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Baggage Car Doors
- Undercarriage Detail
- Each Car Measures: 19" x 2 1/2" x 3 3/8"



Milwaukee Road, 5-Car 70' ABS Passenger Set - - Smooth
Item No. 20-6552 \$249.95

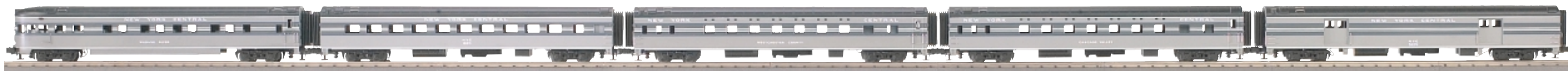


Santa Fe, 5-Car 70' ABS Passenger Set - - Ribbed
Item No. 20-6543 \$249.95



Union Pacific, 5-Car 70' ABS Passenger Set - - Smooth
Item No. 20-6553 \$249.95

Perfect Complement for the Union Pacific FEF Steamer - See Page 13



New York Central, 5-Car 70' ABS Passenger Set - - Smooth
Item No. 20-6554 \$249.95

Perfect Complement for the New York Central Dreyfuss Steamer - See Page 15



Pennsylvania, 5-Car 70' ABS Passenger Set - - Smooth
Item No. 20-6557 \$249.95

Perfect Complement for the 2000 Pennsylvania T-1 Steamer



Erie, 5-Car 70' ABS Passenger Set - - Smooth
Item No. 20-6560 \$249.95

Perfect Complement for the Erie E-8 Diesel Set - See Page 29



Illinois Central, 5-Car 70' ABS Passenger Set - - Smooth
Item No. 20-6561 \$249.95

Perfect Complement for the Illinois Central E-8 Diesel Set - See Page



Santa Fe, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6643 \$99.95



Santa Fe
70' ABS Full Length Vista Dome Passenger Car - - Ribbed
Item No. 20-6743 \$59.95



Chessie, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6649 \$99.95



Chessie
70' ABS Full Length Vista Dome Passenger Car - - Ribbed
Item No. 20-6749 \$59.95



California Zephyr, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6645 \$99.95



California Zephyr
70' ABS Full Length Vista Dome Passenger Car - - Ribbed
Item No. 20-6745 \$59.95



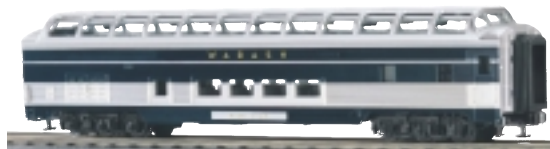
Great Northern, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6651 \$99.95



Great Northern
70' ABS Full Length Vista Dome Passenger Car - - Ribbed
Item No. 20-6751 \$59.95



Wabash, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6646 \$99.95



Wabash
70' ABS Full Length Vista Dome Passenger Car - - Ribbed
Item No. 20-6746 \$59.95



Erie, 2-Car 70' ABS Slpr/Diner Passenger Set - Smooth
Item No. 20-6660 \$99.95



Erie
70' ABS Full Length Vista Dome Passenger Car - - Smooth
Item No. 20-6760 \$59.95



Canadian Pacific, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6647 \$99.95



Canadian Pacific
70' ABS Full Length Vista Dome Passenger Car - - Ribbed
Item No. 20-6747 \$59.95



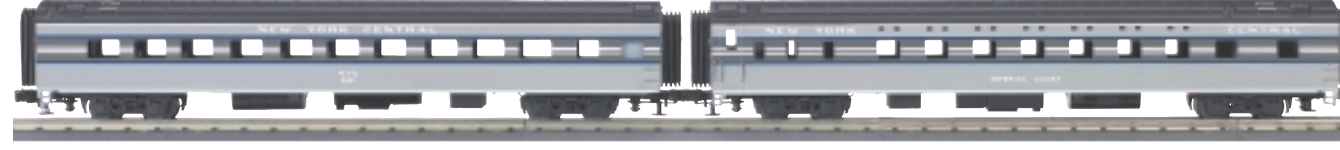
Union Pacific, 2-Car 70' ABS Slpr/Diner Passenger Set - Smooth
Item No. 20-6653 \$99.95



Union Pacific
70' ABS Full Length Vista Dome Passenger Car - - Smooth
Item No. 20-6753 \$59.95



Pennsylvania, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6657 \$99.95



New York Central, 2-Car 70' ABS Slpr/Diner Passenger Set - Smooth
Item No. 20-6654 \$99.95



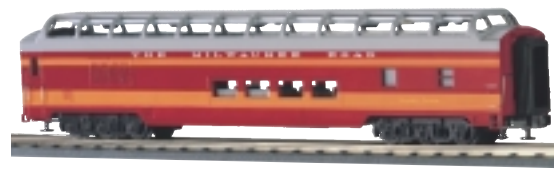
Florida East Coast, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6650 \$99.95



Florida East Coast
70' ABS Full Length Vista Dome Passenger Car - - Smooth
Item No. 20-6750 \$59.95



Milwaukee Road, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6652 \$99.95



Milwaukee Road
70' ABS Full Length Vista Dome Passenger Car - - Ribbed
Item No. 20-6752 \$59.95



Amtrak, 2-Car 70' ABS Slpr/Diner Passenger Set - Ribbed
Item No. 20-6648 \$99.95



Amtrak
70' ABS Full Length Vista Dome Passenger Car - - Ribbed
Item No. 20-6737 \$59.95



Amtrak, 2-Car Amfleet Passenger Set - 5 Stripe
Item No. 20-6656 \$99.95



Amtrak, 2-Car Amfleet Passenger Set - 3 Stripe
Item No. 20-6655 \$99.95



Chicago NorthWestern, 4-Car Scale Bi-Level Passenger Set
Item No. 20-6558
\$249.95

Perfect Complement for the Chicago Northwestern E-8 Diesel Set - See Page 29



METRA, 4-Car Scale Bi-Level Passenger Set
Item No. 20-6559
\$249.95

Perfect Complement for the 1997 Metra F40ph Diesel



Amtrak, 4-Car Amfleet Passenger Set - Amtrak 3-Stripe
Item No. 20-6555
\$199.95

Perfect Complement for the Amtrak Genesis Diesel - See Page 19



Amtrak, 4-Car Amfleet Passenger Set - 5 Stripe
Item No. 20-6556
\$199.95

Perfect Complement for the Amtrak Genesis Diesel - See Page 19

4-Car Bi-Level and Amfleet Passenger Sets

When Amtrak was formed in the early 1970s, its fleet of old streamlined cars had been culled from the passenger lines it was formed to replace. These aging cars eventually needed replacement, prompting Amtrak to commission a program to build a new "Amfleet" class of cars. The completed class featured two different styles of Amfleet cars, providing both coach and dining service. The typical consist usually included one food service car and several coaches.

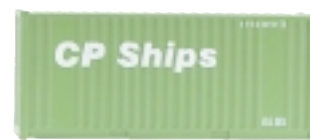
When commuter railways began to replace their aging conventional commuter coaches, many opted to increase seating capacity by buying the double-deck gallery cars known as Bi-Level Cars. Engineering cabs on some of the cars allowed them to be used in push-pull service, so there was no need to turn the locomotive around at the end of a run.

FEATURES INCLUDE

- Die-Cast 4-Wheel Trucks
- Operating Metal Couplers
- Interior Detail in Passenger Cars
- Each Passenger Car Features Overhead Lighting
- Operates on O-42 Curves
- Undercarriage Detail
- Each 4-Car Amfleet Set Includes 3 Coaches and 1 Diner
- Each 2-Car Amfleet Set Includes 2 Coaches
- Each 4-Car Bi-Level Set Includes 3 Gallery Suburban Coaches and 1 Coach with a Control Cab
- Each Amfleet Car Measures Approximately: 19" x 2 1/2" x 3 1/4"
- Each Bi-Level Car Measures Approximately: 19" x 2 1/2" x 3 7/8"



PREMIER ACCESSORIES



20' Container Set
Item No. 20-95037 \$24.95

20' Container Set
Item No. 20-95041 \$24.95

Tank Container Set
Item No. 20-95044 \$24.95



Norfolk & Western, Auxiliary Water Tender II
Item No. 20-3046 \$249.95

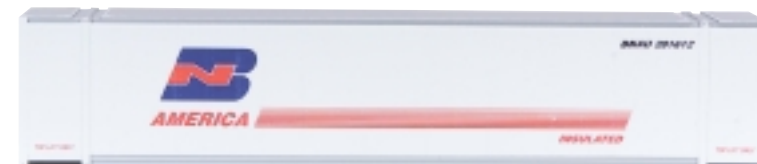
Adding a full scale die-cast water tender behind your Premier Line Norfolk & Western J, or Y6b, or Class A makes a great way to complete the prototypical look of any of these engines. Quality constructed of die-cast metal and featuring die-cast trucks with Proto-Coupler®, each tender is equipped with a plug-in harness that makes hooking up your Proto-Coupler® to any Proto-Sound® unit inside your J, Y6b, or Class A tender a snap.



Junk Load
Item No. 20-30001 \$4.95



40' Container Set
Item No. 20-95042 \$29.95



48' Container Set
Item No. 20-95043 \$34.95



PREMIER SCALETRAX™

ScaleTrax™ by M.T.H. Electric Trains is the ultimate track layout solution for which detail-oriented scale 3-rail model railroaders are searching. No longer will an O Gauge modeler have to accept the “tubular” track look because ScaleTrax™ offers maximum accuracy and the exceptional quality of MTH products. They are perfect for your authentic looking layout.

Each ScaleTrax™ track section features two solid extruded authentically profiled Nickel Silver rails and one inconspicuous solid extruded center rail - all affixed to accurately sized and spaced track ties. No longer will your consists ride too high off the ground. Best of all, the end-of-rail electrical connectors come pre-welded to the underside of each section. There simply is no need to plug in your soldering iron when using ScaleTrax™.

Whether assembling your first layout, adding to a present layout, or replacing your old track, ScaleTrax™ is the most rugged, realistic, scale proportioned, easy-to-use 3-rail scale O-gauge track system available.

Each FlexTrack Section requires (4) lockons when attaching to non-FlexTrack sections and (2) lockons when attaching to FlexTrack sections

FEATURES INCLUDE

- Solid Nickel-Silver Rails
- Low Profile Appearance With “Near Scale” Proportions
- Molded-In Track Section Connections For Easy Assembly



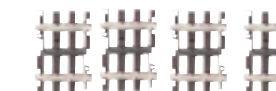
ScaleTrax™
30" Straight Track Section
Item No. 45-1019 \$9.95



ScaleTrax™
15" Uncoupling Track
Item No. 45-1035 \$3.25



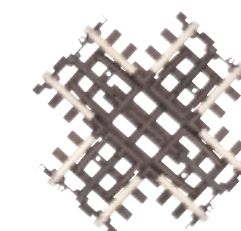
ScaleTrax™ - 22° Crossover Track
Item No. 45-1015 \$19.95



ScaleTrax™ - 1.75" Track Section
(card of 4 pieces)
Item No. 45-1011 \$7.99



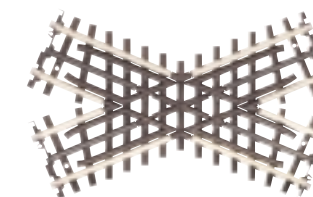
ScaleTrax™ - 4.25" Track Section
Item No. 45-1012 \$3.50



ScaleTrax™ - 90° Crossover Track
Item No. 45-1005 \$19.95



ScaleTrax™ - 5.0" Track Section
Item No. 45-1013 \$3.50



ScaleTrax™ - 45° Crossover Track
Item No. 45-1006 \$19.95



ScaleTrax™ - 5.5" Track Section
Item No. 45-1014 \$3.50



ScaleTrax™ - 10" Straight Track Section
Item No. 45-1001 \$3.25

Items not shown

ScaleTrax™ - 0-31 Curved Section
Item No. 45-1002 \$3.50

ScaleTrax™ - 0-31 Switch (LH)
Item No. 45-1003 \$49.95

ScaleTrax™ - 0-31 Switch (RH)
Item No. 45-1004 \$49.95

ScaleTrax™ - 0-54 Curved Section
Item No. 45-1007 \$3.50

ScaleTrax™ - 0-54 Switch (LH)
Item No. 45-1008 \$49.95

ScaleTrax™ - 0-54 Switch (RH)
Item No. 45-1009 \$49.95

ScaleTrax™ - 0-80 Curved Track Section
Item No. 45-1034 \$4.99

ScaleTrax™ - 30" FlexTrack Section
Item No. 45-1049 \$9.95

Measures 11.75"



ScaleTrax™ - 0-72 Switch (LH)
Item No. 45-1021 \$49.95

ScaleTrax™ - 0-72 Switch (RH)
Item No. 45-1020 \$49.95



ScaleTrax™
0-72 Curved Section
Item No. 45-1010 \$4.75

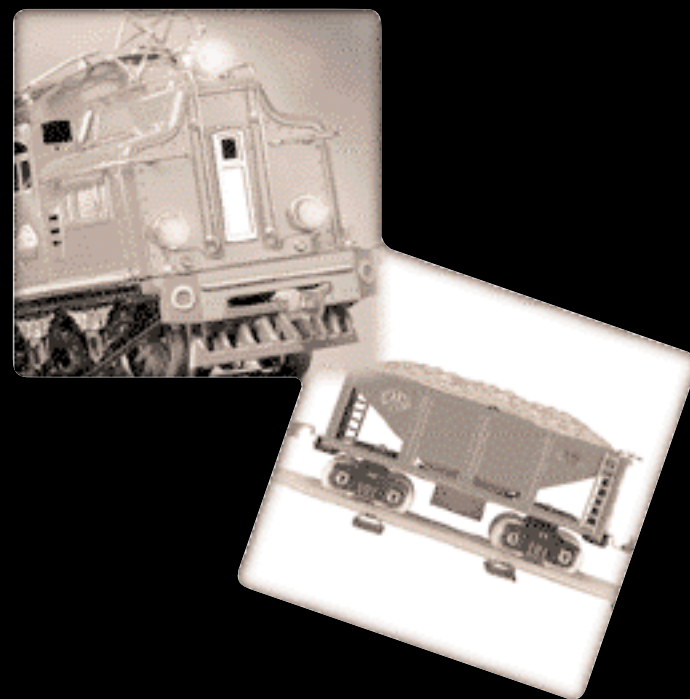
M.T.H. ELECTRIC TRAINS *Tinplate Line*

M.T.H. founder Mike Wolf has always had a special place in his heart for the artistic world of Standard Gauge Model Railroading. As the President of M.T.H., he is immensely proud of our collection of Tinplate Traditions™.

At M.T.H., we understand that the hobby of model railroading is rooted deeply in the hearts and minds of many railfans. For this reason M.T.H. takes great care in developing and enhancing our Tinplate Traditions Line. The cherished memories and magical moments of days gone by are represented in our beautiful collection of Standard Gauge trains and accessories, known as Tinplate Traditions.

As its name implies, the Tinplate Traditions Line offers reproductions of what collectors have long called tinplate trains. These products are constructed mainly of die-cast and sheet metal, and they are treasured not so much for their authentic detail as for their creative and nostalgic character.

As you travel through the Tinplate Section of M.T.H.'s second Millennium Year 2000 Catalog, you will journey through the past, experiencing model railroading as it used to be. You will appreciate the integrity and marvelous history of model railroading . . . and hopefully gain a deep understanding of what sets this hobby apart from the rest!



TINPLATE TRADITIONS™
By MTH Electric Trains®

TINPLATE TRADITIONS
By MTH Electric Trains

TINPLATE TRACK

Tinplate Track

Standard Gauge model railroad fans can find the classic look and style of tinplate track and switches only in our Tinplate Traditions™ lineup. Best of all, M.T.H.'s track and switches are sure to be found far superior to those hard-to-find originals. Each switch is equipped with a realistic lighted switch block lantern and state-of-the-art switch motors and switch controllers, which ensure they will function flawlessly for years to come. Available in both regular radius and wide-radius turnouts, each track section and switch is fully compatible with all standard gauge track and has features that give the Standard Gauge modeler incredible layout diversity.



Std. Gauge Track Bumper Set
Item No. 10-4005 \$49.95

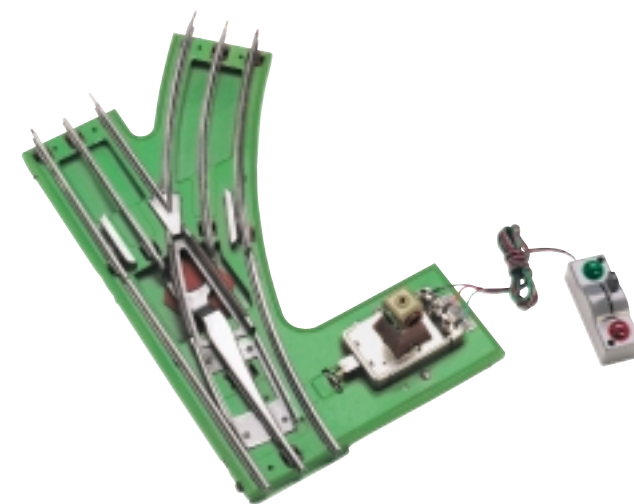


Std Gauge Track - Regular Straight
Item No. 10-1038 \$3.50

Std Gauge Track - Straight w/Wide Ties
Item No. 10-1040 \$3.95

Std Gauge Track - Wide Radius Curve w/Wide Ties
Item No. 10-1041 \$3.95

Std Gauge Track - Regular Curve
Item No. 10-1039 \$3.50

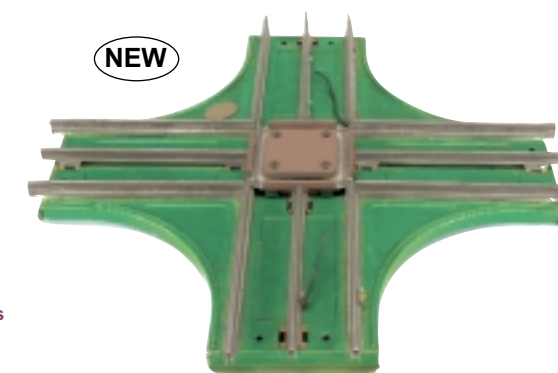


Std Gauge Switch (RH STD-42)
Item No. 10-4001 \$79.95

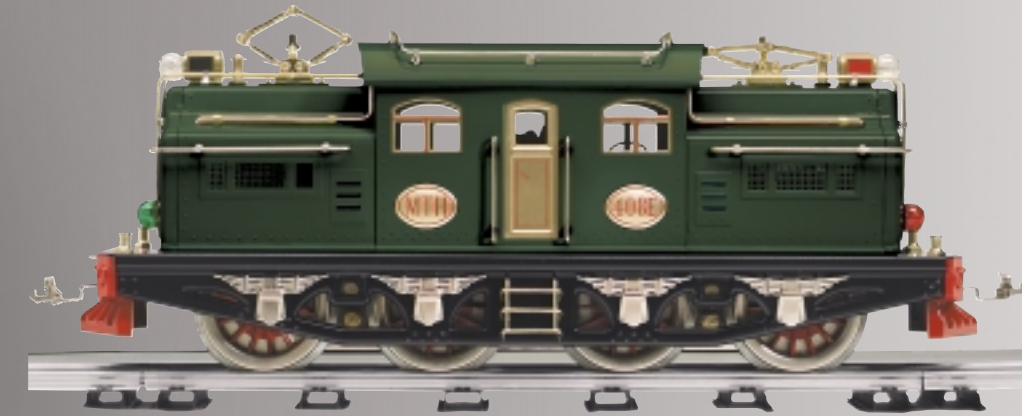
Std Gauge Switch (LH STD-42)
Item No. 10-4002 \$79.95

Std Gauge Switch Wide Radius (RH STD-72)
Item No. 10-4003 \$89.95

Std Gauge Switch Wide Radius (LH STD-72)
Item No. 10-4004 \$89.95



Std. Gauge 90° Crossover
Item No. 10-4006 \$49.95



408E Tinplate Electric Engines

The bright colors and tinplate styling of traditional standard gauge models return with the 408E as part of the M.T.H. Tinplate Traditions™ line. The 408E will evoke memories of yesteryear while (optionally) using the technology of today. Easily one of the most attractive and popular standard gauge engines of all time, this two-motored unit features operating lights, a mechanical E-unit and all the other features that make tinplate engines as unique in operation as in their appearance. The 408E pulled the magnificent "State Cars," which we also sell in this catalog, to form one of the most dramatic trains ever.



Like all M.T.H. Tinplate Traditions pieces, the 408E closely models the 1927-36 original. All painted surfaces are decorated with a baked enamel finish. Operators will appreciate the option of purchasing their 408E equipped with a precision Pittman® motor, and the revolutionary new Proto-Sound® 2.0 Digital Command System. Traditionalists will enjoy the option of a standard mechanical reversing unit and AC motorS.

Dark Green
408E Tinplate Electric Engine
Item No. 10-1131-0, Traditional \$899.95

Dark Green
408E Tinplate Electric Engine
Item No. 10-1131-1, Contemporary \$899.95

TT Brown
408E Tinplate Electric Engine
Item No. 10-1132-0, Traditional \$899.95

TT Brown
408E Tinplate Electric Engine
Item No. 10-1132-1, Contemporary \$899.95

FEATURES INCLUDE

- Baked Enamel Finish
- Brass Trim
- Stamped Steel Body and Chassis
- Operating Metal Latch Coupler
- Operating Directional Headlights
- Metal Wheels and Axles
- Locomotive Measures Approximately:
19" x 4 1/2" x 6 1/2"

Available In Two Configurations

- Traditional: 2 AC Motors and Mechanical E-unit
- Contemporary: 2 Precision Pittman Motors, and All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™
- Among the many exciting new features available with the new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation



Std. Gauge State Car



Std. Gauge Solarium Car



Std. Gauge Solarium Car



TT Brown
Std. Gauge State Car - Illinois
Item No. 10-1136, \$399.95

TT Brown
Std. Gauge Solarium State - Maryland
Item No. 10-1137, \$399.95

TT Brown
4-Car Std. Gauge State Set
Item No. 10-1135, \$1499.95

TT Green
Std. Gauge Solarium State - Maryland
Item No. 10-1138, \$399.95

Std. Gauge State Passenger Cars

In the late 1920s and early 1930s, the standard gauge tinplate passenger cars, known as "State Cars," were among the best and most detailed mass-produced toy trains ever built. European manufacturers of the same time frame were the only producers of comparable cars.

First produced in 1929, each car featured hinged roofs, lighted interiors, multiple layered window treatments, rotating seats, lavatories, even working toilet lids! Measuring 21 inches long and standing 7 inches high, each car weighed almost 6 pounds and can be trimmed in brass. Brightly painted and highly prized, State Cars are among the most valued toy trains in the world.

MTH is proud once again to introduce the State Cars to tinplate enthusiasts everywhere--each in the same glory and detail of their original counterparts. Available as a four-car consist, our 2000 interpretation of the State Set features a MTH creation: the Solarium Car. Sporting the nameplate "Maryland," this car features several dining areas and a kitchen--complete with stove and refrigerator. One end of

the car features wide, solarium-type windows, offering easy viewing of the unique car interior. A fifth car, the "Illinois," is available optionally and features the same car name and number as the original "Illinois" state car. The remaining three cars in the four-car consist also feature their original car names and numbers and the brown paint has been specially formulated to duplicate the original state car brown.

Also optionally available, the four-car state consist can be pulled by a state brown 408E electric motor just like the one that came with the original State set. Like our other recent Tinplate Traditions locomotive offerings, the 408E can be ordered in two configurations: Traditional with a Bild-a-LoCo motor and mechanical E-unit, or Contemporary with a precision Pittman® motor and the ProtoSound® Digital Sound and Train Control System.

No matter which way you choose to order your 408E and State Car Set, you'll acquire a beautiful recreation of model railroading's heritage.

FEATURES INCLUDE

- Brightly Painted Stamped Metal Bodies
- Metal Latch Couplers
- Operating Interior Lights
- Detailed Seat Interiors
- Metal Wheels & Axles
- Each Car Measures Approximately: 21" x 7" x 4"

200 & 500 Series Freight Cars

MTH is proud to introduce a new generation of standard gauge toyers to the classic looks of the 200 and 500 series freight car. While slightly smaller than 200 series cars, the 500's carry the same beauty and level of trim detail. Like their 200 series brethren, the 500 series cars are constructed entirely of stamped metal components. Each car features black oxide finished trucks, nickel truck journal boxes and sprung latch couplers for that authentic look and feel of yesteryear.

Two all-new 200 and 500 series cars are being unveiled this year from MTH. The 200 Series and 500 Series Ore Cars are sure to become a favorite amongst new and purist tinsplate fans alike. Equally at home behind the MTH or any other manufacturer's standard gauge locomotives, these stunningly attractive ore cars add color and variety to any standard gauge layout or Christmas Garden.

FEATURES INCLUDE

- Stamped Metal Construction
- Brightly Painted, Baked Enamel Finish
- Metal Wheels and Axles
- Mechanical Latch Couplers
- 200 Series Cars Measure Approximately: 13 7/16" x 3 3/8" x 4 5/8"
- 500 Series Cars Measure Approximately: 11 9/16" x 3 5/16" x 4 1/16"



200 Series Std. Gauge Ore Car
Item No. 10-1130 \$119.95



500 Series Std. Gauge Ore Car
Item No. 10-1129 \$99.95

Tinsplate Accessories

More lights and accessories return to our Tinsplate Traditions™ lineup in full color and durable metal construction. Each full sized lamp and trackside accessory features stamped metal or die-cast construction. There are no plastic bases and poles in any of these accessories.



#67 lamp Post (dark green)
Measures 13 1/2" Tall
Item No. 10-1095 \$39.95



#63 lamp Post (aluminum)
Measures 13 3/4" Tall
Item No. 10-1108 \$39.95



#78 Std. Gauge Block Signal (cream/white)
Measures 8" Tall
Item No. 10-1097 \$59.95



#87 Railroad Crossing Signal
Measures 6 3/4" Tall
Item No. 10-1096 \$39.95



#71 Telegraph Post Set (gray/red)
Measures 8 3/4" Tall
Item No. 10-1093 \$49.95

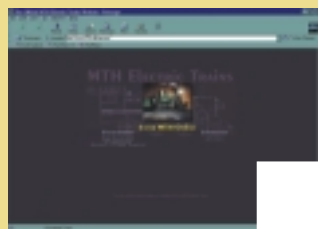


#71 Telegraph Post Set (peacock/red)
Measures 8 3/4" Tall
Item No. 10-1094 \$49.95

Take A Virtual Journey Through the Exciting World Of M.T.H. Electric Trains

www.mth-railking.com

We've worked hard to create a well-rounded website that customers will find a convenient and valuable source of information as well as a vital community of fellow M.T.H. enthusiasts. Our commitment to using technology to improve the model railroading experience of our customers is reflected in the way we have organized this site. Here are some of the many services you will find at www.mth-railking.com



Do you need to find a retailer who might have that hard-to-find M.T.H. product in stock? Check out our new, easy-to-use Dealer and Product Locator. The online Locator will find all M.T.H. retailers who have in stock any M.T.H. item you search for and tell you how to contact those dealers. You can search by item type, item number, roadname, or locale, and the Locator even contains an archive of the entire M.T.H. product line, so you can research and locate models from past catalogs. It's never been easier to complete your M.T.H. collection.

It's also possible to **download and print instruction sheets and exploded views** of your locomotive from our website. You'll never have to worry about lost instruction sheets again, when they're so easy to access on-line. We also provide troubleshooting tips with advice about the easiest ways to solve common problems and "train tips" with information how to take the best advantage of the features our trains offer. Trying to surprise a loved one with a new train set or locomotive? Simply visit the M.T.H. website any hour of the day or night to find the instructions when and where you need them.

We've upgraded our business systems so that our customers can stay in touch and have access to the **latest news on our products and retailers**. Customers needing to return an item for repair to the M.T.H. Service Department can obtain a return authorization number through the M.T.H. website. Eventually, the system will allow a customer to check on the status of their returned item's repair as it moves through the M.T.H. Service Center. Once an item has been repaired, our system will even e-mail you with its delivery schedule and tracking number, giving you the ultimate in peace-of-mind information.

Visit the M.T.H. website to find answers to many of your questions about product delivery, new **product announcements and information** on using M.T.H. products. Just purchased a M.T.H. product? Now you can fill out your warranty card or complete a survey online instead of mailing in the forms. Both are easy to do.

Joining the **M.T.H. Railroaders' Club** is an easy way to begin experiencing this wonderful hobby, and signing up couldn't be easier -- just visit our website and join in a few simple clicks. Once you join, you'll be able to visit a special Members Only section of the website where you and your fellow members will get to learn inside details about new products and programs coming from M.T.H. You'll also be able to read and leave messages on our M.T.H. Railroaders' Club message board and create your own M.T.H. Member Web Page.

Naturally, a visit to the M.T.H. website will allow you to **e-mail** various departments, check out our latest catalogs and visit our online store. Most importantly, we are including information to help you find answers to virtually any question you might have about M.T.H. Electric Trains. Shipping schedules, parts manuals with interactive exploded views that can be printed out, product instruction manuals that can be downloaded and FAQ and Service Tips are just a few of the many new items included in our new site.

Because this hobby is about fun, we have been sure to include some entertaining features as well. We want to be sure you enjoy the time you spend with us! Our frequent visitors especially like the **interactive multimedia animation "Ride"** in a locomotive as you listen to the sound effects available on our engines. Turn our trains around so you can see them from different views. Roll over our featured items and see what features they have to offer. We also offer an interesting free **monthly e-mail newsletter** to anyone who signs up for it. The M.T.H. website is your central location for online railroading fun.

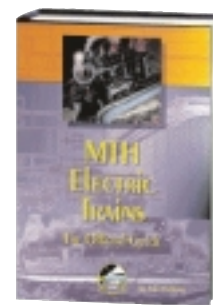
Our Internet staffers continuously update the site so that you will never be far from the latest model railroading news. Compare our website to others and see how it reflects the proud tradition of customer service that distinguishes M.T.H. from the competition. We use state-of-the-art technology to continue our commitment to excellence and provide you with first-rate customer service and an unbeatable information resource through our website.



Great MTH Video
by TM Books and Video
55 minutes
Item No. 60-1325
\$19.95

The first M.T.H. layout video features the best of M.T.H. in action on sensational layouts plus useful tips on layout building. Included are the spectacular 70 x 45 foot high-rail layout of Tony Lash and the M.T.H. Showroom display. Tony's layout is museum quality. He operates Premier steamers, diesels and rolling stock, including the Berkshire, Big Boy, Shay, Y-6bs, SP Daylight set and more. Another highlight is the trees - \$60,000 worth. Tony commissioned the best scale model and scenery makers to create a truly spectacular, finely detailed layout. The M.T.H. showroom layout is multi-level and operates both O and Standard gauges. Also featured is an interview with Mike Wolf and a 2400 square foot floor layout that includes long mixed freight and unit trains operating on 4900 feet of track. Be prepared to be amazed.

Produced by TM Books and Video, creators of the popular I Love Toy Trains video series



MTH Book - History
Item No. 60-1321
\$29.95

In the twenty years that M.T.H. has been on the model railroading scene, we have reinvigorated the industry by providing a level of value and quality unmatched by our competitors. Now you can get the inside story on the history of Mike Wolf and the company he founded. The forthcoming 240+ page hard-cover M.T.H. History Book beautifully captures the essence and story of M.T.H. Electric Trains through the easy-reading narrative of an M.T.H. aficionado. Also featuring almost 1900 full-color photos, the book contains a complete history of our product line, through the 2000, volume 2 catalog, making it the most complete history to-date of M.T.H. products. It is an invaluable resource for any M.T.H. fan.

Members in each option will receive an attractive railroad car in addition to all the other club member benefits listed below



MTHRRC, Crane Tender Car
Item No. 30-7939

RailKing option members receive an eye-catching crane tender painted to match the crane car that was given to 1999 RailKing members. With its sturdy construction, this crane tender will operate as well as it looks and keep up with any of your other cars.



MTHRRC BNSF, Tank Car
Item No. 20-92014

Premier club members receive a beautiful BNSF tank car, with the colorful M.T.H. Railroaders' Club logo added. Featuring scale dimensions and the attention to detail you have come to expect from our Premier line, this car will complement any scale consist.



MTHRRC, 200 Series Std. Gauge Tank Car
Item No. 10-1127

Tinplate fans can enroll in the Tinplate Traditions club option and receive this beautifully decorated 200 series standard gauge tank car. Like all our Tinplate Traditions 200 series cars, this one features all-metal construction and a durable baked enamel finish.



For 2000, the M.T.H. Railroaders' Club offers exciting membership benefits for all our club members, whether you are RailKing®, Premier, or Tinplate Traditions™ fans.

No matter which option you choose, you will receive a full selection of other club member benefits:

- All the new M.T.H. Catalogs mailed first-class directly to you for an entire year.
- The M.T.H. Railroaders' Club Bi-Monthly Newsletter full of information about new products, answers to questions about service, and other ideas about how to make the most of your M.T.H. products.
- A Membership Card granting you special perks that go with MTHRRC membership.
- Access to the special MTHRRC section of the M.T.H. web site, where you can receive inside information and exchange ideas with other M.T.H. railfans.
- An Individual Web Page of your own for you to design within the M.T.H. Web Site
- Special Software on an Interactive CD-ROM, including track layout software, a database of all the products M.T.H. has ever made, access to M.T.H. catalogs in electronic format, "train music" samples from the Proto-Sound® library, and a fun railroading game you can play (a \$79.95 value).

As a member of the M.T.H. Railroaders' Club, you also have the option to buy the handsome forthcoming M.T.H. history book. You'll get more than 240 pages and 1900+ full-color photographs to help you appreciate the history of M.T.H. Electric Trains and how we got where we are today. The book will include complete information on our product lines through the 2000 volume 2 catalog, making it the most current historical reference you can obtain on M.T.H. Electric Trains.

Finally, members of any of the club options are welcome to purchase the club cars that come from the other membership categories. If you love all our offerings, you don't have to choose just one car.

JOIN MTHRRC CLUB 2000

Join the Club on Our Web Site
www.mth-railking.com

write for a club 2000 application
M.T.H. Electric Trains
7020 Columbia Gateway Drive
Columbia Maryland 21046-1532

LIMITED ONE-YEAR WARRANTY

All M.T.H. products purchased from an Authorized M.T.H. Train Merchant are covered by this warranty.

See our Website at www.mth-railking.com or call 1-888-640-3700 to identify an Authorized M.T.H. Train Merchant near you.

MTH products are warranted for one year from the date of purchase against defects in material or workmanship, excluding light bulbs and traction tires. We will repair or replace (at our option) the defective part without charge for the parts or labor, if the item is returned to MTH Electric Trains, Inc. within one year of the original date of purchase. This warranty does not cover damages caused by improper care, handling, or use. Transportation costs incurred by the customer are not covered under this warranty.

Items sent for repair must be accompanied by a return authorization number, a description of the problem, and the original sales receipt from an Authorized M.T.H. Train Merchant, which gives the date of purchase. Call 410-381-2580, fax 410-423-0009, or e-mail the Service Department at service@mth-railking.com to obtain a return authorization number.

This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

Service Department
M.T.H. Electric Trains, Inc.
7020 Gateway Drive
Columbia MD 21046-1532

All products depicted in this catalog are not production models. In some cases, the items pictured may be HO, O Scale or some other scale product.
All item's graphic features and content are subject to change after publication. All product features may be verified on their retail packages.

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www.mth-railking.com 410/381-2580

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Printed in Canada

For The Dealer Nearest You, Call Our Toll Free Dealer Locator Number

1-888-640-3700
www.mth-railking.com



M.T.H. Electric Trains
7020 Columbia Gateway Drive
Columbia, Maryland 21046-1532



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7020 Columbia Gateway Drive
Columbia, Maryland 21046-1532

RAIL KING[®]
By M.T.H. Electric Trains

RAIL KING[®]
By M.T.H. Electric Trains

2000 volume two



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Toll Free Dealer Locator Number

1-888-640-3700

Visit our Website www.mth-railking.com



INTRODUCTION

Our product line has grown enormously over the past few years. In 2000 it's bigger and better than any previous M.T.H. lineup, so we are printing two catalogs: one for our RailKing® Line, and one for our Premier and Tinplate Traditions™ Lines. Both books are filled with model railroading products that will capture the interest of virtually every rail enthusiast.

At M.T.H. we create our magnificent collection of model railroad products based on what we know railfans want. We listen to model railroaders--what you say at train collectors' conventions, through dealer feedback, and via mail and e-mail--to determine what's missing, to find out what you want but do not yet see on the market. We also stay tuned in to what your favorite items are, and we constantly work on ways to make these products better and more innovative for you.

M.T.H. ELECTRIC TRAINS®

At M.T.H. Electric Trains®, we believe offering model railroaders as much variety and authenticity as possible is not enough. We are also dedicated to providing the most technologically advanced model railroading equipment available. At M.T.H. we believe that it is important to keep abreast of the technology explosion so that we can continue to provide you with model railroading equipment--whether it be engines, accessories, track, or operating systems--that continues to make the hobby easier and more realistic than ever before. To that end, we recently invested more than \$2 million on new technology to improve your model railroading experience. M.T.H. is proud to introduce our new locomotive sound and train control systems. We believe they will make your operating experience more enjoyable, more realistic, and easier than you could have imagined.

Among our most exciting new systems is the improved version of Proto-Sound®, Proto-Sound® 2.0. This impressive system has a sampling rate twice that of the best digital sound system currently available in O gauge model railroading. It is dramatically improved technology that provides for more authentic sound than anything we or our competitors have produced in the past. Among other things, it uses its technology to take advantage of the Doppler principle to mimic the growing and fading sounds of a train as it approaches and passes, just like the prototypes. You can also run your own sound--whether your own voice or a favorite tape--through the system to individualize your locomotives. Proto-Sound 2.0 provides many more sound options than have been available in the past and comes packaged with our revolutionary new Digital Command System (DCS) that allows for more realistic operation of your DCS-ready engines. M.T.H.'s Digital Command System allows for individual control of each engine and accessory on your layout. You'll get variable locomotive speed control,

independent lighting control, diagnostic memory features, customizable, downloadable sounds, and simultaneous TMCC operation, among many other exciting new features. Read more about these revolutionary new features and how they can enhance your railroading experience in the Proto-Sound 2.0 section of the catalog.

We have also replaced the electronic whistles and horns available on RailKing engines with our new Loco-Sound™ system, to give you a more authentic sound than before, but still at a lower price than with the new Proto-Sound 2.0 system. More importantly, most RailKing Ready-To-Run sets now feature remote control, through our new RailKing Wireless Infrared Remote Control. With all the great new technology M.T.H. offers this year, model railroading has never been better!

Armed with the quality and value of the M.T.H. product line, many of our customers have been spreading the word about the joys of M.T.H. model railroading to new and old railroad enthusiasts. This excitement stimulates the growth of our hobby, which is expanding with incredible speed. It also motivates us here at M.T.H. to increase our efforts to produce the types of products and technology model railroading enthusiasts want. To that end, we offer some items to help guide you on your model railroading journey and the world of M.T.H. Electric Trains. These include a soon-to-be-released 240+ page book with more than 1,900 color photographs covering the fascinating history of M.T.H. (we've been around longer than you think!) and an interactive CD ROM with both how-to videos and track-planning software.

RAILKING®

Proof of our efforts to continue bringing our customers the best quality and value around can be found throughout the following pages. You will find exciting locomotives, rolling stock and accessories. Each item is designed and manufactured to meet the standard of quality you expect. We accomplish this by ensuring that our products are easy to understand, easy to operate, and easy to service. For example, M.T.H. locomotives, which are constructed from high quality ABS plastic or die-cast and stamped metal components, feature our modular chassis design (MCD) concept which ensures that each engine is easy to operate and easy to service. You can accomplish most basic repairs with just a screwdriver.

As you learn more about M.T.H. Electric Trains through the pages and images of this catalog, you will come to understand how and why M.T.H. has taken the lead in the O gauge market. If you like what you see, visit our web site or contact us to find a dealer near you so that you may experience first hand why M.T.H. Electric Trains is your best source for O gauge value and quality.

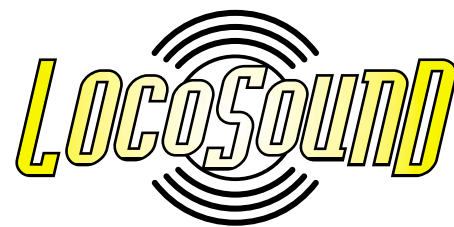
Bring Your Layout Alive

For 2000, virtually every RailKing engine and Ready-To-Run set is available with a sound system. The electronic bells and whistles have been replaced by the Loco-Sound™ system, which provides authenticity not found in our previous inexpensive locomotives. And we're especially proud to announce the arrival of the totally redesigned Proto-Sound 2.0 with Digital Command System, a digital control system that offers more options and more realism than any other model railroad manufacturer. Read about both of our exciting new options below.

M.T.H. ELECTRIC TRAINS

LOCO-SOUND

M.T.H. introduces Loco-Sound™, an all-new sound system to replace the electronic whistles and horns that have previously been available on RailKing locomotives and Ready-To-Run sets. Loco-Sound, which is available on most RailKing engines and starter sets, supplies full locomotive sounds, including bells, whistles or horns, and the engine sounds of steam chuffing, a diesel roar, or an electric motor. It also features locomotive speed control, a cruise-control system that helps stabilize the train's speed as it travels up and down grades and around curves.* Loco-Sound represents an excellent way to bring additional realism to a layout for those who prefer the less expensive of our locomotive versions.



Loco Speed Control

To complement Loco-Sound, we have also developed an inexpensive wireless infrared remote control. It is included in most RailKing Ready-to-Run train sets and is also sold separately. This remote offers control of locomotive functions, including bells and whistles or horns, locomotive speed, and direction. It is fully compatible with virtually any manufacturer's locomotives and transformers.

*This is true with the understanding that all loads are within the power supply capacity.



GO TO www.protosound2.com

PROTO-SOUND 2.0 WITH DCS

The Operating System for the New Millennium

In the Millennium Year 2000 and beyond, virtually every M.T.H. locomotive or Ready-To-Run™ train set can be ordered with model railroading's most revolutionary digital control system: Proto-Sound® 2.0 featuring the Digital Command System (DCS).

Taking digital sound and train control systems to new heights, Proto-Sound 2.0 is a state-of-the-art digital sound and train control system that must be heard and seen to be believed. Its quality and features, designed by M.T.H.'s own research and development team, are unmatched by any other model railroading manufacturer. Operation starts right out of the box, with no additional equipment or wiring to your layout needed for basic conventional operation. Engines equipped with Proto-Sound 2.0 are perfectly compatible with engines not so equipped. You simply hook up any compatible transformer and begin experiencing the digital world of model railroading in ways unmatched and unimaginable.

The Sound System

Proto-Sound 2.0 is a digital sound system utilizing authentic railroad sounds. Steam engines feature steam chuffing, squeaking brakes, whistles and bells, while diesel locomotives rumble with diesel roar, throaty horns and chiming bells. Proto-Sound 2.0 utilizes a much higher sampling rate than earlier Proto-Sound versions. In fact, Proto-Sound 2.0 has a greater dynamic range than any of our competitors. In plain English, this means higher highs and lower lows for an unmatched model railroading experience.

Proto-Sound 2.0 features a bevy of new sound features that will transform your operating experiences to a far higher level of realism than you ever thought possible. Every Proto-Sound 2.0-equipped locomotive features improved and all-new Proto-Effects™ including:

- New and Improved Cab Chatter With Dozens of Different Voice Accents
- Locomotive Start-up and Shut Down
- All-New Passenger Station Sounds or Freight Yard Sounds
- Squeaking Brakes and Coupler Release Sounds.
- Coupler Slack Sounds
- Wheel Clickety-Clack Sounds
- Train Wreck Sounds
- Dozens of randomly-created voice accents

Proto-Sound 2.0 also comes equipped with three exciting new sound effects; Proto-Doppler, Proto-Dispatch and Proto-Cast each of which is explained in the sidebars on the following pages.

In addition, Proto-Sound 2.0-equipped locomotives feature a redesigned Proto-Coupler system that can be controlled with one simple button push as well as a redesigned ProtoSmoke system that allows user control over smoke output.

Finally, and most importantly for prototypical operations, every Proto-Sound 2.0-equipped locomotive comes with Proto-Speed Control (see the sidebar on page 3), a sophisticated monitoring system that provides constant speed control of your locomotive or consist, whether you are operating in Conventional or Digital Command Modes.

The Digital Command System

The Digital Command System (DCS) found in Proto-Sound 2.0 is a digital control system that allows operators to command multiple engines, tracks, switches, and accessories at one time with a single remote. When in Digital Command System Mode, a constant voltage level is applied to a layout or track block. You will be able to individually control each DCS engine or any accessory with the touch of a button on the DCS Remote Controller.

The separately sold Digital Command System Remote features a four line LCD screen and 32 push buttons for control over basic locomotive functions, including whistle or horn activation, bell, speed control, direction control and coupler operation. Scroll through its simple easy to use menus each allowing quick and easy access to the multitude of exciting new features in Proto-Sound 2.0. DCS Remote Control will immediately recognize up to 50 different engines when first powered up on your layout. Once an engine is recognized, change your favorite operating settings, including volume levels, assignment of locomotive addresses and names, lighting, smoke output, and dozens more with the touch of a few buttons.

Operation of your Digital Command System engine has never been more realistic. When operating in Command mode, operators can utilize the Proto-Speed Control function to control the speed of an engine in one scale mph increments. This revolutionary system doesn't require special motors yet will not allow a locomotive to change speed during operation even if the environment changes. Enter a grade or sharp curve with an engine programmed to travel at 5 scale mph and that engine will continue to travel at 5 MPH. Couple up a long consist for an engine previously operating by itself at 10 MPH and watch as the engine continues to operate at 10 MPH, even going up and down grades!*

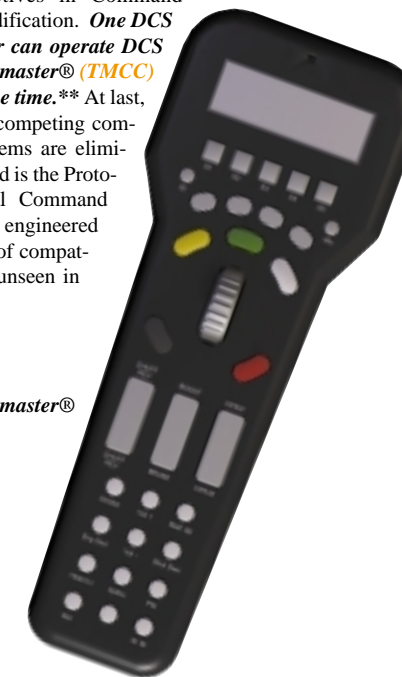
Our Digital Command System remembers your commands and can record them for playback later. Create a demo of your consist's operation and play it back with the touch of a button. Every locomotive operation, accessory operation or switch action will be remembered and played back. In fact, every minute of operation on your DCS-equipped locomotive is stored in an electronic odometer. This allows the owner to have a complete record of the actual scale miles the train has traveled. For collectors it's a great way to confirm the use of an engine.



Use the Digital Command System to control switches and trackside accessories (up to 250 of each, for a total of 500). With a Digital Command System Track Interface Unit (TIU) and Accessory Interface Unit (AIU), any track switch or accessory can be interfaced with the system. This allows operators to maintain complete control over their layout with the touch of a button on the DCS Remote. Best of all, no complicated wiring is required. Simply wire up a switch or accessory to the Digital Command System AIU just as you would to a button or track activation device. It's that simple.

The Digital Command System brings full compatibility to the model railroading community. Unlike O Gauge railroading's other 3-Rail command system, Lionel's® Trainmaster® (TMCC), the Proto-Sound 2.0 Digital Command System can control both Proto-Sound 2.0 equipped locomotives and Trainmaster® equipped locomotives in Command Mode without modification. **One DCS Remote Controller can operate DCS engines and Trainmaster® (TMCC) engines at the same time.**** At last, the limitations of competing command control systems are eliminated. All you need is the Proto-Sound 2.0 Digital Command System, specially engineered to provide a level of compatibility previously unseen in O Gauge!

** Requires Trainmaster® Command Base



Proto-Speed Control is a revolutionary feature that utilizes micro-processor monitoring of your engine's motor revolutions, continuously making adjustments to the engine's speed to maintain locomotive speed, much as a real engineer does when traveling over variable terrain. When active, a Proto-Sound 2.0-equipped locomotive will experience only slight changes in speed when traversing grades and curves. At last, prototypical speeds can be attained without special motors or operating modes. In fact, the system is so sophisticated it allows engines to travel at speeds of 3 scale miles per hour or less! More importantly, the system can be overridden when double-heading with non-Proto-Sound- or earlier Proto-Sound-equipped locomotives. When the new system is disabled, your Proto-Sound 2.0-equipped locomotive will operate in the same manner as any other previously designed M.T.H. steam or diesel locomotive.



Proto-Doppler puts the **WOOOOOsh** in sound. Originally discovered by the Austrian mathematician and physicist, Christian Doppler (1803-53), the Doppler Effect represents the change in pitch and volume that results from a shift in the frequency of the sound waves as evidenced by the sound of an approaching object. For example, as an ambulance approaches, the sound waves from its siren are compressed towards the observer. The intervals between waves diminish, which translates into an increase in frequency or pitch. As the ambulance recedes, the sound waves are stretched relative to the observer, causing the siren's pitch to decrease. By the change in pitch of the siren, you can determine if the ambulance is coming nearer or speeding away. In model railroading, the Doppler Effect has long been considered the ultimate goal of sound system development. Now, thanks to Proto-Sound 2.0, this effect can be reproduced in a locomotive. Imagine getting close to the track, watching and listening as a train whooshes past. You'll hear the oncoming sound followed by the receding fade as the train passes by just like you would if you were standing at trackside.



Proto-Dispatch takes Proto-Sound's cab chatter one step further toward reality. Now, instead of listening to the pre-recorded Cab Chatter messages that come standard in every Proto-Sound 2.0-equipped locomotive, you can actually interact with your train by broadcasting your own voice through the locomotive's speaker. A built-in microphone has been incorporated into the Proto-Sound 2.0 DCS Remote Control. Simply press a button and speak into the mic to create your own personalized Cab Chatter messages or interact with the pre-recorded Cab Chatter messages in your locomotive. It's great fun and an easy way to get the whole family involved in your railroad operations.



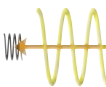
Proto-Cast is perhaps the most exciting new addition to the Proto-Sound system. By using the TIU and any external audio source, like a tape deck or CD player, you can now broadcast your favorite songs or stories through your locomotive's speaker. Imagine using Proto-Cast to play your favorite railroad songs through your train or "broadcasting" a train story from tape, like "The Little Engine That Could," while your train runs around the layout. Better yet, play your own favorite prototype recordings as you run your trains. Its easy to use and makes for great entertainment on your layout.

GO TO www.protosound2.com

PROTO-SOUND 2.0

THE OPERATING SYSTEM FOR THE NEW MILLENNIUM

M.T.H. ELECTRIC TRAINS



Proto-Sound 2.0 Conventional Operation Features - Accessible Through Any Compatible Transformer

- Authentic Bell & Horn or Whistle Sound Effects
- Authentic Locomotive Chuffing or Diesel Engine Sound Effects
- Authentic Locomotive Start Up and Shutdown Effects
- Conventional Mode Proto-Effects Including Cab Chatter, Passenger Station and Freight Yard Sounds
- Proto-Coupler Remote Operation
- Proto-Speed Control Monitoring - A Cruise Control Type System That Maintains A Locomotive or Consists Speed During Grade Changes
- Proto-Speed Control Disable
- Model Railroading's Highest Dynamic Sound Range - For Higher Highs And Lower Lows
- Built-In, Self-Recharging Battery Backup System
- Squeaking Brake Sounds
- Maintenance Sound Effects
- Constant Voltage Lighting
- ProtoSmoke Operation

Proto-Sound 2.0 Digital Command System (DCS) Features - Requires Optional Digital Command System Remote Control, Track Interface Unit (TIU) and Accessory Interface Unit (AIU)

All Conventional Features Plus Features Listed Below

- Independent Locomotive Control - Operates Up To 50 Different Locomotive On The Same Track At The Same Time. Assign Locomotive IDs, Turn Engines ON or OFF or Run Different Engines At Different Speeds On The Same Track
- Enhanced Proto-Speed Control - Operate Locomotives As Slow As 1 Scale Mile Per Hour And Maintain Speed Up And Down Grades
- Enhanced ProtoSmoke Operation - Variably Control Smoke Output
- Enhanced Constant Voltage Lighting Control - Control Locomotive Lights Independently, Turn On or Off or Flash Ditch Lights, Cab Interior Lights, MARS Lights, Beacon Lights or Headlights
- Remote Control Over Layout Accessories - Requires No Modification To Accessories. Simply Wire Up Any Manufacturer's Accessory To An Accessory Interface Unit For Remote Control Via The DCS Remote (Requires AIU)
- Remote Control Over Track Blocks And Switches - Requires No Modification To Track or Switches. Simply Wire Track Blocks or Switches To A Track Interface Unit For Remote Control Via The DCS Remote (Requires AIU)
- Customize Proto-Sound 2.0 DCS Locomotives With Downloadable Sounds - Change Bells, Whistles or Proto-Effects For A Unique, Personalized Locomotive. Change Your Passenger Station Proto-Effect To A Freight Yard Proto-Effect.
- Proto-Cast - Play Your Favorite Tapes or CDs Through Your Train During Operation. You Can Even Play Bedtime Stories to Your Children
- Proto-Doppler Sound Effects - Easy To Use Feature That Simulates The Growing And Fading Sounds Of A Locomotive As It Approaches And Then Passes By
- Proto-Dispatch - Be Your Own Dispatcher. Broadcast Your Voice, In Real Time, Though Your Train's Speaker While It Is Running
- Extended Locomotive Start Up and Shutdown Effects
- All New Proto-Effects - Select And Play Coupler Slack Sounds, Wheel Clickety Clack Sounds, Train Wreck Sounds and Many More
- Independent Volume Control Of Bell, Horn or Whistle, Engine Sounds and Proto-Effects
- Global Volume Control Of All Active Proto-Sound 2.0 Equipped Engines
- Global Or Individual One-Touch Mute - Mute All Proto-Sound 2.0 Sounds With A Touch Of A Button. -Global Or Individual One-Touch On Or Off Control - Turn On or Off Lights. Choose An Individual Locomotive Or All Proto-Sound 2.0 Equipped Locomotives To Be Affected
- Diagnostic Memory Features - Proto-Sound 2.0s Digital Command System Provides Sophisticated Monitoring Information Of Engine Statistics Including Locomotive Model Type, Model Name, Scale Miles Traveled And All Current Proto-Sound 2.0 Settings. It Is A Perfect Way To Authenticate An Engine's

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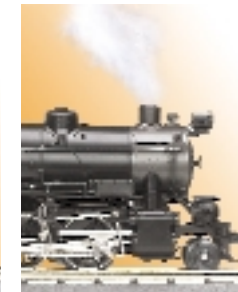
How Proto-Sound 2.0 Forced M.T.H. To Rethink M.T.H. Locomotive Design:

With the advent of the latest version of Proto-Sound, M.T.H. had to take a long hard look at our locomotive product line designs. Because of the revolutionary changes Proto-Sound 2.0 provides model railroad operators, many existing features in M.T.H. locomotives had to be redesigned. For example, Proto-Sound 2.0's ability to control various functions of an M.T.H. engine forced those systems to be compatible with the new sound and train control system. Lighting previously controlled by stand-alone circuit boards is now controlled by the Proto-Sound 2.0 system. Redesigned smoke units now have their output controlled by the system, and a new lower-voltage Proto-Coupler system forced the redesign of the old Proto-Coupler.

Each of these improvements required either redesign or changes to their older counterparts in order to operate in locomotives equipped with Proto-Sound 2.0. Even the chassis have been replaced or redesigned to allow for the new electronic components. The end result: not only do today's model railroaders have a state-of-the-art sound and train control system, they actually have redesigned locomotives. Fortunately, these new designs and components allow new M.T.H. Proto-Sound 2.0-equipped locomotives to remain completely compatible with our past Proto-Sound-equipped engines. This means you can run a new Proto-Sound 2.0 engine with an older Proto-Sound engine without incurring any operational problems. What it doesn't allow, at least today, is the ability to bring those older engines up to today's Proto-Sound 2.0 standards.



LIGHT SMOKE



MEDIUM SMOKE



HEAVY SMOKE



Now you can set the amount of smoke your engines output.

GO TO www.protosound2.com

Proto-Sound 2.0 Digital Command System vs. Conventional Operation

The terms sound confusing and can overwhelm the inexperienced train operator, but really the concepts are quite simple. "Command-Ready" components, whether they be the Digital Command System or another manufacturer's system, are simply locomotives or accessories that can interface with the proprietary system they were designed for. When in "Command Mode", an operator has configured his or her layout for an operating environment that allows every component within that layout to be communicated with directly and independently from a common communication source (usually a remote control). This is usually accomplished by completing the procedures to enter command mode and then turning up the transformer controlling the desired track block (or entire layout) to full voltage. The accessories and locomotives operating in these blocks are now configured to ignore the track voltage and instead will respond to commands from the communication source to activate various features (direction, speed, operation of accessory, etc.). Because each accessory or locomotive is responding to signals from the communication source independently, multiple operations can occur at the same time. Thus two or more engines can function on the same track (at different speeds) even though the track voltage is the same and is controlled by the same transformer.

Conventional operation is just the opposite. Every accessory or locomotive on a given track block will respond at the same time to the transformer voltage being applied to the track block. Individual control over various actions of each locomotive or accessory is prohibited. However, every engine or accessory can operate with other manufacturer's accessories or locomotives when in Conventional Mode, regardless of whether these items are outfitted to be Command Ready. Therefore, whenever you are operating in Proto-Sound 2.0 Conventional Mode you are guaranteed that every other manufacturer's products, including all earlier versions of Proto-Sound, will function with your Proto-Sound 2.0 equipped locomotive.

Operating Proto-Sound 2.0 is simple. Just put your engine on the track, right out of the box. As soon as you power-up your transformer, you will hear the authentic sounds of your diesel, steam, or electric engine awaken as it awaits your command to start moving. Your transformer's throttle and its whistle button activate all the conventional Proto-Sound 2.0 features listed. There is no need to purchase a whole new control system with dozens of buttons and keystrokes to memorize; Proto-Sound 2.0 works with almost any AC transformer. Of course, Walk-around freedom is also available for those interested in purchasing the Proto-Sound 2.0 DCS Remote Control. In fact, Proto-Sound 2.0's DCS Remote will control any Lionel® locomotive equipped with Trainmaster®, even when running in Command Mode. Operate both Lionel® Trainmaster® equipped engines and Proto-Sound 2.0 DCS equipped engines at the same time. Its one solution for multiple engines. To operate Digital Command System features, simply enter Command Mode and begin using the Digital Command System Remote Control to activate your locomotive and accessories. If you wish to operate in Conventional Mode, you can still use your Digital Command System Remote Control or any remote control system, including the Z-4000 Remote. The only features you won't be able to access in Conventional Mode are Digital Command System features.



Control virtually everything on your layout from locomotives to accessories to switches. It's as easy as a touch of a button.



CHOOSE YOUR POWER & REMOTE CONTROL OPTIONS

M.T.H. now offers three excellent options for model railroaders looking to break away from a stand-alone transformer: the RailKing IR Remote Control System, the Z-4000 Remote Control System and the DCS Remote Control System required for use with our revolutionary new Digital Command System. If you are looking for the easiest and most advanced remote control to operate your locomotives equipped with the original version of Proto-Sound, the Z-4000 Remote is a great choice. But if you want to take full advantage of all the amazing features provided by the ground-breaking new Proto-Sound 2.0 and Digital Command System, you'll need the DCS Remote Control.

RailKing IR Remote Control System

The RailKing Remote Control system could not be easier to use. It controls locomotive speed and other features available on your MTH locomotive as simply as a television remote control, from as far away as fifteen feet and functions with any manufacturer's locomotives and transformers. Enjoy the ease of operating your train set from anywhere in the room



IR Remote Control System
Item No. 50-1012
\$49.95

IR Remote Control
Item No. 50-1011
\$39.95

IR Remote Remote Lock-on
Item No. 50-1013
\$14.95



Z-4000™ Remote Control System

If you want to operate your model railroad in a new yet familiar way with the freedom of a wireless hand-held controller, M.T.H. Electric Trains has the perfect solution: the Z-4000 Remote Control System.

This system interfaces quickly and easily with up to three powerful 400 Watt Z-4000 Transformers to bring simple, portable control to your model railroad empire in ways not found in our competitors' remote control systems. Simple design with easy-to-use functionality make the Z-4000 Remote Control System a great remote control system for model railroaders looking to break away from a stand-alone transformer.

Equipped with features that simplify and enhance operating your trains, the Z-4000 Remote Control System is similar enough to the Z-4000 transformer to have you up and running your trains in minutes. Get down to track level, follow your trains around, or operate from the comfort of your easy chair. It's all possible thanks to the fun and excitement of the Z-4000 Remote Control.



Z-4000 Remote Control System
(1) Remote Handheld
(1) Remote Receiver
Item No. 40-4001
\$79.95

Z-4000 REMOTE FEATURES

LCD Display - The handheld LCD Display informs the user of the commanded track voltage during normal train operation and simplifies Proto-Sound® feature selection during programming.

Controls Two Tracks - Using the Track Selector Switch, operators can switch between two different tracks on the fly. The Z-4000 Remote Control Handheld will remember each track's settings and display them when the track is selected.

Rotary Throttle Dial - Simply roll the thumb-wheel style throttle on the Remote Control Handheld upward or downward to control the speed of your trains. The rotary style throttle enables switching between active tracks while retaining the previous throttle setting. It also doubles as a Program Mode selector by allowing the user to scroll through Proto-Sound® features.

Bell Button - Activates the bell sound in any manufacturer's sound-equipped engines. The button is also used to select a feature in the Program Mode when programming any Proto-Sound®-equipped locomotives.

Whistle/Horn Button - Activates the whistle or horn sound in any manufacturer's sound-equipped engines. The button is also used to activate the Proto-Coupler® found on any Proto-Sound®-equipped locomotives.

Program Button - Enables the user to toggle in and out of the Program Mode when programming any Proto-Sound®-equipped locomotives.

Direction Button - Interrupts the track power to allow any manufacturer's engine to change direction.

Boost/Brake Button - Self-centering rocker switch that allows users to accelerate or decelerate any manufacturer's locomotive during operation, independent of the throttle setting. Releasing the button will return the throttle voltage to the previously selected setting.

Emergency Stop Button - Immediately sets the commanded track voltage of both tracks to zero.

Simultaneous Operation With Z-4000 Transformer - Allows the user to control the track with either the Z-4000 stationary controls, the Z-4000 Remote Control Handheld's controls or both. The system automatically switches between the Z-4000 Remote Control Handheld and the Z-4000 Control Panel whenever a change in the controls is made.

Multiple Remote Control Operation - The Z-4000 Remote Control System allows for up to 3 individual Z-4000 Remote Control Handhelds to be used simultaneously with one Z-4000 Remote Control Receiver. Additionally, one Remote Control Handheld can control 3 Remote Control Receivers when attached to 3 Z-4000 transformers. For a total of 6 tracks.

Power Source Management - Built-in Sleep Mode allows Z-4000 Remote Control to go inactive when not in use, to preserve battery life.
Operates All Manufacturers' AC Powered Locomotives - Provides full conventional control of all AC 3-Rail trains when used in conjunction with a Z-4000 transformer, giving the operator the added freedom that can only be provided by a wireless hand-held remote control.

DCS Remote Control System

The Digital Command System (DCS) Remote Control provides the operator with more control and freedom than any other remote control unit. The DCS Remote lets you individually control each DCS-ready locomotive, switch, and accessory with the touch of a button on a single hand-held unit from as much as fifty feet away. Best of all, the DCS Remote Control is compatible with other command control systems, like Lionel's® Trainmaster® system. Now, all command control operators can use one DCS remote from MTH Electric Trains to control their Lionel® Trainmaster® equipped locomotives with their Proto-Sound 2.0 DCS equipped engines - all at the same time.

Each Proto-Sound 2.0 DCS Remote Control features state-of-the-art functionality that gives you unprecedented control over your model railroad. The DCS Remote interacts with the user in two different modes, each dependent on the types of engines you are operating, the types of transformers you are using, and whether you are operating in Digital Command or Conventional Modes.

DCS REMOTE FEATURES

Conventional Mode Locomotive Operation Features

- Bell and Horn/Whistle Control
- Track Voltage Control
- Conventional Mode Proto-Speed Control
- Emergency Stop
- Direction Control
- DCS Remote Control over Z4000 Transformer Programming Features
- Conventional Mode Proto-Effects Operation
- Proto-Coupler Operation

Digital Command Mode Locomotive Operation Features

- DCS Proto-Speed Control
- ProtoSmoke Variable Output Control
- Locomotive Lighting Control
- Automatic Locomotive Reset
- Emergency Stop
- One Touch Global Mute/UnMute
- One Touch Proto-Coupler Operation
- Adjustable Master Volume Control
- Global Locomotive Speed Control
- Proto-Dispatch Operation
- Proto-Doppler Sound Operation
- Command Mode Proto-Effects Operation
- Independent Volume Control
- Store up to 50 Different DCS-Equipped Locomotives at One Time
- Engine, Bell, Horn & Whistle Volume Adjustment
- Chuff Rate Selection Set Up
- Proto-Effects Set Up
- Proto-Doppler Sound Effects Set Up
- Proto-Speed Control Set Up
- Direction Control Set Up
- Proto-Smoke Output Set Up
- Locomotive Lighting Set Up
- Locomotive Consist Set Up
- Query Locomotive Information
- User Can Query, Set and Operate Track and Accessory Interface Units for Programming
- Digital Command Operations for up to 250 Accessories and 250 Individual Switches
- User Can Script, Record and Playback Train Routes



DCS Remote Control System
Item No. 50-1001
\$199.95

DCS Remote Control
Item No. 50-1002
\$129.95

DCS Track Interface Unit (TIU)
Item No. 50-1003
\$99.95

DCS Accessory Interface (AIU)
Item No. 50-1004
\$79.95



Note: Proto-Sound 2.0 will not operate on 50hrz power

Z-4000™ Transformer

Operators of any O, S, or Standard Gauge locomotive, regardless of manufacturer, will appreciate the power and control features found in the 400-Watt Z-4000™ transformer - the only U.L. Approved 400-Watt RMS transformer available today. The transformer's control panel has a voltage display, amperage display, and horn, bell, direction, and programming buttons for two track outputs. Two additional fixed voltage outputs are also available, making the Z-4000 the perfect choice for operating locomotives and accessories.

Programming any Proto-Sound®-equipped locomotives simply requires the operator to scroll through the features on the LED display by using the whistle and direction buttons. Macro features have also been included in the Z-4000 transformer giving the Proto-Sound owner the opportunity to use popular Proto-Sound features, like directional lock-out, with just a few button clicks.

Perhaps the most exciting feature of the Z-4000 is its microprocessor-controlled operating system. There is actually a powerful computerized brain that makes the Z-4000 highly upgradeable. In fact, the Z-4000 has been designed so that add-ons like a walk-around throttle system will be easy and quick to install and use. This product has earned the UL listing mark.

Z-4000 TRANSFORMER FEATURES

- UL Listed To US and Canadian Safety Standards
- Pure Sine Wave Power Signal
- (2) 21v Variable Track Outputs
- (1) 14v Fixed-Voltage Output
- (1) 10v Fixed-Voltage Output
- Internal Cooling Fan
- On/Off Power Switch
- Expansion Port for Z-4000 Remote Control System
- Compatible As Power Source For All O Gauge AC-Powered Locomotives
- (2) Voltage LED Displays
- (2) Amperage LED Displays
- Resettable Circuit Breakers for Each Output
- Large Red LED Overload Indicator
- Large Green LED Power On Indicator
- Measures: 8 3/4" High, 11 1/8" Front to Back, 14 3/4" Wide



Z-4000™ Transformer
Item No. 40-4000
\$399.95

M.T.H. ELECTRIC TRAINS
O Gauge's Technology Leader

RailKing Line

M.T.H. RailKing® Locomotives, Starter Sets, Freight and Passenger Cars, Track Systems, and Accessories provide our customers a level of excellence and value unequaled by other manufacturers. The RailKing line is perfect for those of you who prefer traditionally sized models, whether for nostalgic reasons or because a complete layout of this size occupies less space than the scale models. You'll be able to enjoy your traditionally-sized layouts with the full knowledge that you'll never have to compromise on quality with the RailKing name: we provide Quality in the Tradition You Remember.

The variety, authentic detail, quality of construction, and affordable prices make it easy for you--whether you are a model railroader just starting out or are in it for the long haul--to obtain all of those special pieces needed to make your collection what you want it to be. All RailKing items are of a caliber that far exceeds those that were on the market in years past, as well as those offered today by other manufacturers. Diligent product reviews during all processes of production enable us to include improvements and enhancements in everything we make, before anything is released into your hands. . . the hands of our valued customers. This ensures the realization of our commitment to provide you with the best value in model railroading. You'll find this commitment unmatched by other manufacturers, ensuring that RailKing products, including our starter sets, will make a lasting impression for years to come.

In addition to providing the best value, we are committed to providing you with the most cutting-edge technology available in O Gauge model railroading. To that end, we are proud to introduce several new technological systems that will make your model railroading experience easier and more authentic than ever before.

For instance, most RailKing locomotives, including most of those offered in our Ready-To-Run train sets, can be ordered with our new Loco-Sound™ sound system, which improves upon and replaces the electric whistles and horns that have been available on our previous RailKing engines. Most RailKing engines are optionally available with our revolutionary new upgrade, Proto-Sound® 2.0 with Digital Command System (DCS), featuring Proto-Effects™. A technological marvel, Proto-Sound 2.0 was designed to enhance the operator's ability to produce realistic sound effects and precision remote control performance over a multitude of railroading tasks. You can customize the sound effects coming from your locomotives with Proto-Sound 2.0.

M.T.H.'s new Digital Command System, packaged with Proto-Sound 2.0, allows you individual control over many railroading functions, ranging from locomotive functions such as speed, lights, and smoke to operating accessories and track, with a single remote control. You can run two trains on the same track at different speeds, among other exciting functions. Read more about these exciting new systems in the Proto-Sound® 2.0 section of the catalog.



The final technological addition to our RailKing line is that we now provide remote control operation standard on most RailKing Ready-To-Run Train Sets, via our Loco-Sound Wireless Infrared Remote Control. This new feature makes our Ready-To-Run Sets a bigger value than ever.



Get on board and ride the RailKing Rails!

Enjoy the scenery as you journey through the RailKing portion of the MTH Year 2000, Volume 2 Catalog.

Explore the possibilities as you recognize the MTH commitment to quality and value in every product

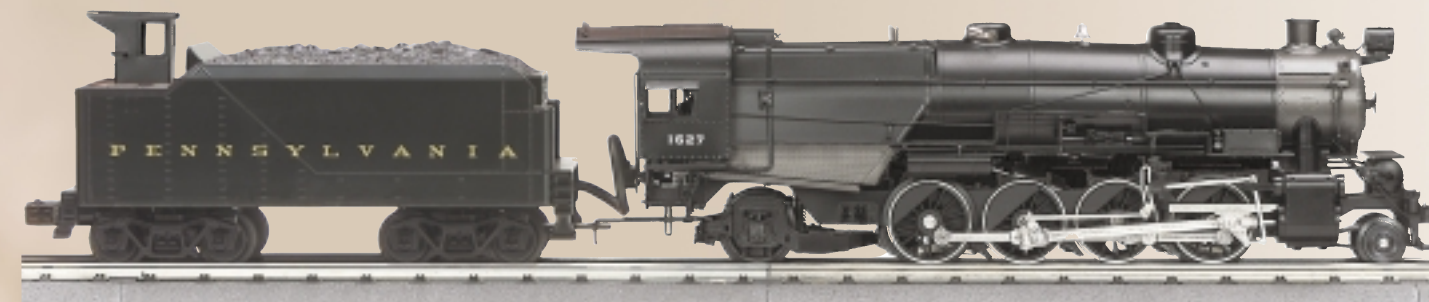
featured on the following pages.

Then you can join the growing ranks of RailKing fans who

know that RailKing is the best ticket to fun and excitement in O Gauge model railroading.



NEW



*Add a Pennsylvania 6-Car Freight Set
See Page 55*

Pennsylvania 2-8-2 L-1 Mikado Steam Engine

The less-known twin of the famous K-4s series steam engine, Pennsylvania's L-1 Mikado shared its sibling's incredible power and speed; the "Mike" hauled Pennsy's freight using the same boilers that powered the K-4s. The Mikados' affectionate nickname, "Lollipops," (the name apparently came from their extra length) belied their tremendous power, which frequently had them assigned to rescue duties when an M1 stalled on Rockville Bridge over the Susquehanna and needed to be towed out.

Pennsylvania's 574 strong fleet of L-1 Mikado engines was built in the erecting



shops at Baldwin, Juniata, and Lima between 1914 and 1918. The engine's production schedule was stepped up early in World War I, when they were needed to power massive wartime tonnage over the mountains in the central portions of the PRR's route. The engine stayed in service until 1957, near the end of PRR's steam days.

The M.T.H. RailKing 2-8-2 L-1 Mikado Steam Engine accurately depicts the PRR's powerful engine with its realistic detail, standard features and optional equipment listed.

Pennsylvania
2-8-2 L-1 Mikado Steam Engine
Item No. 30-1164

\$299.9530-1164-0 w/Loco-Sound™
\$399.9530-1164-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Die-Cast Boiler and Tender
- Die-Cast Metal Drivers
- Metal Handrails and Decorative Whistle
- Precision Flywheel-Equipped Motor
- Operating Headlight
- Metal Wheels and Gears
- Operates on O-31 Track
- Detailed Cab Interior
- Operating Metal Coupler
- **Redesigned** Operating ProtoSmoke® System
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Whistle and Steam Chuffing Sounds or **All-New Proto-Sound® 2.0** with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
20" x 2 1/2" x 3 1/2"



NEW



*Add a Norfolk & Western 4-Bay Hopper Set
See Page 55*

Norfolk & Western 2-8-8-2 Y6b Steam

The first modern design steam engine on the Norfolk and Western, the Y-6 class was an awesome figure on the popular railroad. The Y6 engine, called the "workhorse of the N&W," was particularly well suited to mountain terrain, and its engineers said it was unstoppable as it labored its way up a grade. Often used to power coal trains, the Y6 and improved Y5 class engines packed so much power they were rated at only two locomotives for a 10,300 pound load on the tough Radford Division eastbound Allegheny climb. Weighing more than 600,000 pounds and producing more than 150,000 pounds of tractive effort, the 2-8-8-2 Mallet was up to any task put before it.



Thirty new Y6b engines built at the Roanoke shops between 1948 and 1950 were the last compound articulated steam locomotives built in North America. The reliable and powerful modern Class Y6 engines were the final steam engines retired in 1960 when the N&W completed its transition to diesel power.

The M.T.H. RailKing 2-8-8-2 Y6b Steam Engine is a realistic version of N&W's famous workhorse, with its standard features and optional equipment listed.

Norfolk & Western
2-8-8-2 Y6b Steam Engine
Item No. 30-1163

\$599.9530-1163-0 w/Loco-Sound™
\$699.9530-1163-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Die-Cast Boiler and Tender
- Die-Cast Metal Drivers
- Metal Handrails and Decorative Whistle
- Two Precision Flywheel-Equipped Motors
- Operating Headlight
- Metal Wheels and Gears
- Operates on O-31 Track
- Detailed Cab Interior
- Operating Metal Coupler
- **Redesigned** Operating ProtoSmoke® System
- Equipped with your choice of **All-New** Loco-Sound™ Featuring Locomotive Speed Control and Bell, Whistle and Steam Chuffing Sounds or **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizeable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
22 3/4" x 2 1/2" x 3 5/8"



Add a NYO&W 6-Car Freight Set - See Page 55



Add a New York Central 6-Car Freight Set - See Page 54

4-8-2 L-3 Mohawk Steam Engines

In 1910, the C&O sought a new type of steam engine to haul passenger trains over the Allegheny Mountains. The result was a new locomotive type that would combine the eight drivers of the Mikado with the four-wheel lead truck of the Pacific. Although the 4-8-2s were initially called "Mountains," a name one of our feature railroads, the New York Ontario & Western, kept, the New York Central Railroad felt that name was inappropriate for their flat "Water Level Route." They changed the name to Mohawk in honor of New York's Mohawk River and Valley.

Weighing almost 400,000 pounds, equipped with one of the largest tenders yet (43 tons of coal) and producing tractive force of more than 60,000 pounds, the L-3 Mohawks were versa-



tile enough to do almost any job required of them. Both the NYC and NYO&W sometimes used these freight locomotives to transport passenger trains. The Central was so pleased with the performance of L-2s converted to carry passenger trains that in 1940 they ordered 25 specially made L-3a "dual purpose" Mohawks--designed to haul either passenger cars or their usual freight loads.

The M.T.H. RailKing 4-8-2 L-3 Mohawk/Mountain Steam Engine is a detailed prototype of this versatile engine. We are proud to present it in the livery of the New York Central Railroad as well as the New York Ontario and Western Railroad, equipped with the standard features and optional equipment listed.

NYO&W
4-8-2 L-3 Mohawk Steam Engine
Item No. 30-1166

\$299.9530-1166-0 w/Loco-Sound™
\$399.9530-1166-1 w/Proto-Sound® 2.0

New York Central
4-8-2 L-3 Mohawk Steam Engine
Item No. 30-1165

\$299.9530-1165-0 w/Loco-Sound™
\$399.9530-1165-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Die-Cast Boiler and Tender
- Die-Cast Metal Drivers
- Metal Handrails and Decorative Whistle
- Precision Flywheel-Equipped Motor
- Operating Headlight
- Metal Wheels and Gears
- Operates on O-27 Track
- Detailed Cab Interior
- Operating Metal Couplers
- **Redesigned** Operating ProtoSmoke® System
- Equipped with your choice of **All-New** Loco-Sound™ Featuring Locomotive Speed Control and Bell, Whistle and Steam Chuffing Sounds or **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
22" x 2 1/2" x 3 1/2"



RAIL KING STEAMER



Add a Pennsylvania 4-Car Madison Passenger Set
See Page 56

Pennsylvania 4-6-2 K-4 Steam Engine

On perhaps the greatest railroad ever, no steam locomotive was more revered than the legendary Pennsylvania K-4s Pacific. The first of the K-class engines were known by their engineers as "Fat Annie" for the way they dwarfed the contemporary Atlantics. The culmination of this class of locomotive, the K-4s was an instant success. The original 1914 design was such a masterpiece of engineering that only minor design alterations were made during the forty years that the K-4s ruled the rails. From 1917 to 1928, the PRR built a total of 425 units in the Juniata and Baldwin Shops.

The 4-6-2 K-4s became the Pennsylvania's principal passenger hauler, possessing a



consummate blend of speed and power. Over flat land it clocked a top speed of a breathtaking 92 miles per hour during a test run, and it had the power to muscle its load over the mountains of western Pennsylvania. Often double headed on East Coast Limiteds heading a Pullman consist, the K-4s was a common and beautiful sight on the Pennsylvania's rails and deservedly became synonymous with that railroad's steam power.

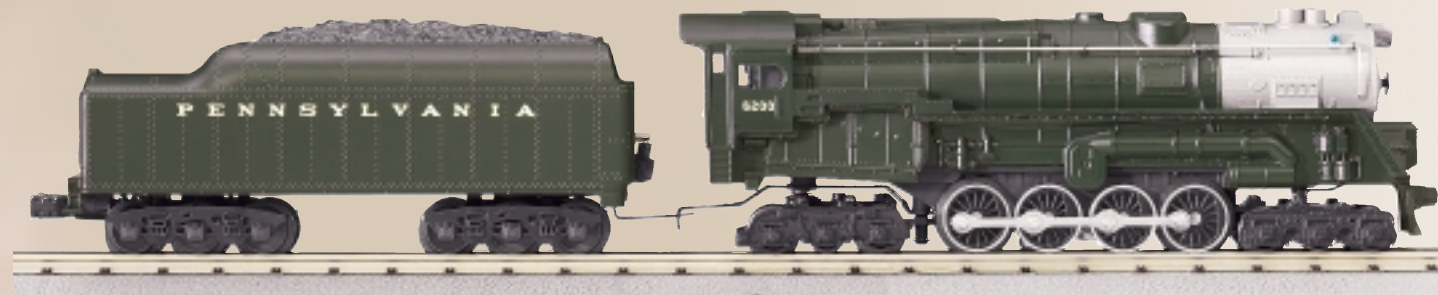
The M.T.H. RailKing 4-6-2 K-4s Pacific Steam Engine accurately depicts Pennsy's powerful engine, with its realistic detail, standard features and optional equipment listed.

Pennsylvania
4-6-2 K-4 Steam Engine
Item No. 30-1162

\$299.9530-1162-0 w/Loco-Sound™
\$399.9530-1162-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Die-Cast Boiler and Tender
- Die-Cast Metal Drivers
- Metal Handrails and Decorative Whistle
- Precision Flywheel-Equipped Motor
- Operating Headlight
- Operates on O-27 Track
- Detailed Cab Interior
- Operating Metal Coupler
- **Redesigned** Operating ProtoSmoke® System
- Equipped with your choice of **All-New** Loco-Sound™ Featuring Locomotive Speed Control and Bell, Whistle and Steam Chuffing Sounds or **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
20" x 2 1/2" x 3 1/2"



*Add a Pennsylvania 6-Car Freight Set
See Page 55*

6-8-6 "Baby" Turbine Steam Engine

By the mid-1940s, the diesel revolution was beginning to take a foothold in America's railroad power rosters. Realizing that diesel power was proving to be quite cost effective on other railroads, the Pennsylvania Railroad experimented with ways to make steam power more competitive with the diesel. One bold new design deriving from the PRR's efforts was the S-2 6-8-6 Steam Turbine, a hybrid between the normal reciprocating steamer and a diesel or electric. While the S-2 still had a firebox and boiler and still generated steam, the pressure was run through a turbine instead of reciprocating cylinders to make power. Rather than the usual



chuffing noise associated with steam, this engine made a repetitive swoosh-swoosh as it ran. The turbine design provided smooth and constant power to the drive wheels and proved to be much more efficient than traditional steam locomotives at higher speeds. Despite its high-speed efficiency, the S-2 still retained many of the high costs of operating a steam engine. And as we all know, the diesel eventually won out.

The Pennsylvania Railroad made only one S-2 6-8-6 turbine engine, and we are proud to make a reasonably-priced version available to model railroaders.

Pennsylvania
6-8-6 "Baby" Turbine Steam Engine
Item No. 30-1167

\$149.9530-1167-0 w/Loco-Sound™
\$249.9530-1167-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Die-Cast Boiler and Tender
- Spoked Metal Drivers
- Metal Handrails and Decorative Whistle
- Precision Flywheel-Equipped Motor
- Operating Headlight
- Operating Electronic Whistle
- Operates on O-31 Track
- Detailed Cab Interior
- Electronic Reverse Unit
- All Metal Gears
- Operating Metal Coupler
- **Redesigned** Operating ProtoSmoke® System
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Whistle and Steam Chuffing Sounds or **All-New Proto-Sound® 2.0** with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
20" x 2 1/2" x 3 1/2"



NEW

Add
NASA
Rolling Stock
See Page 50-



NEW

Add a
Reading
6-Car
Freight Set
See Page

SW-1500 Switcher Diesel Engines

The SW1500 burst upon the rail scene in 1966, marking a radical departure in appearance from all previous EMD switchers. Although it boasted a radical new appearance, the mechanics of the engine were based on the evolution of the sound engineering the company was known for. The SW1500 had a 12-cylinder, 645-series engine that provided 1500 horsepower. Although the engine's standard equipment was that expected for a yard switcher, the optional equipment—including a larger fuel tank, better quality trucks, and ballasting to add weight—suggests EMD expected the SW1500 to be used as a true road switcher.



The SW1500 was produced from 1966-74, and EMD sold 808 units. At the time, the only EMD engine that had sold better was the NW2, the 1940s counterpart to the SW1500. The engine was used by both mainline operators and industrial users, such as Tennessee Copper and Armco Steel, showing its versatility.

M.T.H. introduces this popular switcher in an interesting pair of markings: NASA, and Reading. It will surely be an eye-catching addition to your own model railroad. The RailKing SW1500 comes with the standard and optional features listed.

NASA, SW-1500 Switcher Diesel Engine
Item No. 30-2188

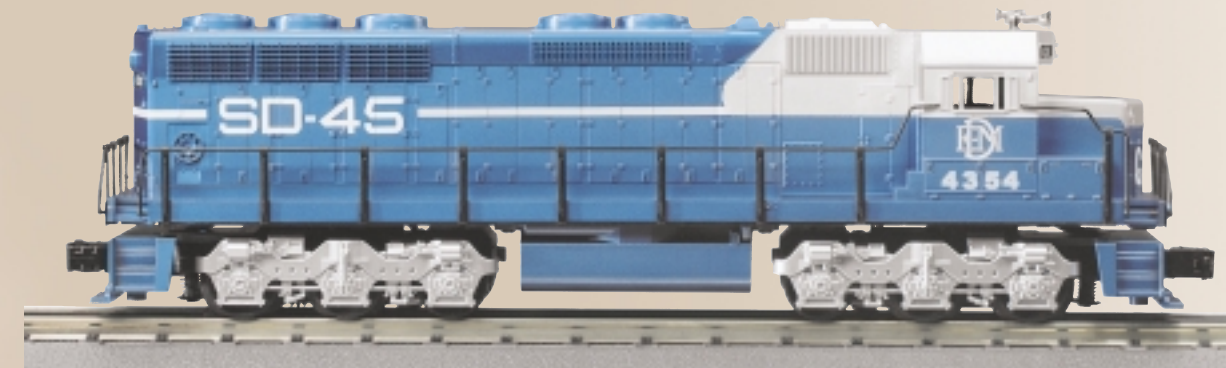
\$149.9530-2188-0 w/Loco-Sound™
\$249.9530-2188-1 w/Proto-Sound® 2.0

Reading, SW-1500 Switcher Diesel Engine
Item No. 30-2189

\$149.9530-2189-0 w/Loco-Sound™
\$249.9530-2189-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Operating Headlight and Backup Light
- Die-Cast Truck Sides, Pilots, and Fuel Tank
- Detailed ABS Bodies
- Colorful Paint Schemes
- Die-Cast Metal Chassis
- Operates on O-27 Track
- Metal Handrails & Decorative Horn
- 2 Precision Flywheel-Equipped Motors
- Equipped with your choice of **All-New** Loco-Sound™ Featuring Locomotive Speed Control and Bell, Horn, and Diesel Engine Noises or **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizeable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately:
12 1/2" x 2 5/8" x 3 3/4"



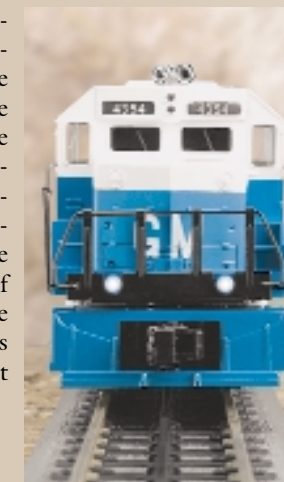
Add an EMD 6-Car Freight Set - See Page 54



Add a Conrail 6-Car Freight Set - See Page 54

SD-45 Diesel Engines

The first twenty-cylinder diesel ever produced, the EMD SD-45 set new standards in power and performance in the very competitive diesel market of the mid-sixties. This 195-ton workhorse achieved a record-setting 3,600 horsepower, 600 more than the popular SD-40. With powerful looking flared radiators, the SD-45 presented a unique appearance. With about one-quarter of the 1,200 units produced still active, the SD-45 is still a familiar sight on today's railroads more than 30 years after first hitting the rails.



Great Northern named No. 400, the first production SD-45, the "Hustle Muscle" in honor of the unique combination of power and speed produced by what was at the time the most powerful single-engine diesel-electric on the rails. That name captures the spirit and ability of this influential second-generation diesel.

M.T.H. makes the SD-45 available in Conrail and EMD markings for the first time in the RailKing line. This detailed near-scale reproduction will add muscle to any layout, and is available with the standard and optional features listed.

EMD Demonstrator, SD-45 Diesel Engine
Item No. 30-2193

\$149.9530-2193-0 w/Loco-Sound™
\$249.9530-2193-1 w/Proto-Sound® 2.0

Conrail, SD-45 Diesel Engine
Item No. 30-2194

\$149.9530-2194-0 w/Loco-Sound™
\$249.9530-2194-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Operating Headlight
- Die-Cast Truck Sides, Pilots, and Fuel Tank
- Detailed ABS Bodies
- Colorful Paint Schemes
- Operates on O-31 Track
- Operating Metal Couplers
- All Metal Gears
- Metal Handrails & Horn
- 2 Precision Flywheel-Equipped Motors
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Horn and Diesel Engine Sounds or **All-New Proto-Sound® 2.0** with DCS Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely-Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
14" x 2 1/2" x 3 13/16"



Add a Southern Pacific 4-Car 60' Passenger Set - See Page 58



Add a Lehigh Valley 4-Car 60' Passenger Set - See Page 59



Add an Optional B Unit



Alco PA AA Diesel Sets

The post-World War II era was an exciting transition period for our nation's railroads. Practical, war-time productions gave way to more daring and glamorous streamlined diesels pulling newly equipped passenger trains. Introduced in 1946, the American Locomotive Company's PA-1 made an instant impact on our railroads and railfans.

Many railfans agree that the Alco PA is the most beautiful diesel locomotive ever produced. Its long, streamlined looks certainly made it one of the best canvases for beautiful paint schemes--an opportunity that few railroads let pass. Measuring more than 65 feet long, the



PA-1 featured 2000 hp and 100 mph gearing, creating an awesome combination of sleekness, speed, and power. Well suited for both passenger and fast freight service, the Alco PA-1 was a fixture on many of our most famous railroads for years after its introduction.

The RailKing Alco PA AA Diesel Set brings its sleek styling to your traditional-sized O-31 railroad in the markings of the Lehigh Valley and Southern Pacific railroads. You can add a non-powered B unit to achieve the traditional A-B-A diesel engine configuration. See the list below of standard and optional features.

Southern Pacific Daylight, Alco PA AA Diesel Set
Item No. 30-2195

\$179.9530-2195-0 w/Loco-Sound™
\$279.9530-2195-1 w/Proto-Sound® 2.0

Lehigh Valley, Alco PA AA Diesel Set
Item No. 30-2196

\$179.9530-2196-0 w/Loco-Sound™
\$279.9530-2196-1 w/Proto-Sound® 2.0

Southern Pacific, Alco PA B Unit
Item No. 30-2195-3

\$59.9530-2195-0

Lehigh Valley, Alco PA B Unit
Item No. 30-2196-3

\$59.9530-2196-3

FEATURES INCLUDE

- Directionally-Controlled Headlights
- Die-Cast Truck Sides, Pilots, and Fuel Tank
- Detailed ABS Bodies
- Colorful Paint Schemes
- Operates on O-31 Track
- All Metal Gears
- Operating Metal Coupler on Each Lead Truck
- Metal Handrails & Decorative Horn
- 2 Precision Flywheel-Equipped Motors in Powered A Units
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Horn and Diesel Engine Sounds or **All-New Proto-Sound® 2.0** with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- AA Set Measures Approximately:
28 1/4" x 2 1/2" x 3 5/8"
- B Unit Measures Approximately:
14" x 2 1/2" x 3 5/8"



F40PH Diesel Engine

As aging car body diesels began to lose appeal in the late 1970s, EMD responded with the now-famous F40PH in 1977. Evolving from the SD-45 and SDP-45 designs, the B-B cowl type locomotive proved remarkably versatile and dependable. For twenty years, the F40PH has been a frequent sight on America's passenger and commuter railroads.

Producing 3,000 horsepower and achieving a top speed of 103 mph, the F40PH has regularly traveled more corners of the



country than any other locomotive. Whether pulling Amtrak's San Francisco Zephyr and Empire Builder or servicing commuter lines all over the country, the F40PH soon became a favorite of railfans everywhere.

M.T.H. proudly recreates CalTrain #901 in its special silver paint featuring the "C-dot" emblem, created to commemorate the fifth anniversary of the Joint Powers Board obtaining full control of the operation from Southern Pacific.

CalTrain
F40PH Diesel Engine
Item No. 30-2199

\$149.9530-2199-0 w/Loco-Sound™
\$249.9530-2199-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Operating Headlight
- Durable ABS Intricately Detailed Body
- Die-Cast Truck Blocks with All-Metal Wheels, Axles, and Gears
- Operates on O-27 Track
- Operating Metal Couplers
- Decorative Metal Horn
- 2 Precision Flywheel-Equipped Motors
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Horn, and Diesel Engine Noises or **All-New Proto-Sound® 2.0** with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately:
14 1/2" x 2 5/8" x 3 5/8"



Doodlebug Diesels

Even in the heyday of steam power, it was still expensive for steam trains to serve passengers on small branch lines and secondary mainlines. The solution to high-cost, low-ridership routes was the Doodlebug. Doodlebugs were essentially a cross between a locomotive and a passenger car. The front section housed an internal combustion engine and the rear housed a passenger or freight compartment. Larger consists housed the baggage and freight in the rear compartment and pulled a passenger car behind the Doodlebug, but most



were run as single units. At their peak of popularity in the 1920s, Doodlebugs rode the rails in every part of the country.

For 2000 we are adding two new railroads to our RailKing Doodlebug roster. With the addition of the Boston & Maine and the Union Pacific, our model runs on roads from coast-to-coast just like the original did. Our Doodlebugs come equipped with the standard and optional features listed.

Boston & Maine
Doodlebug Diesel Engine
Item No. 30-2190

\$129.9530-2190-0 w/Loco-Sound™
\$229.9530-2190-1 w/Proto-Sound® 2.0

Union Pacific
Doodlebug Diesel Engine
Item No. 30-2191

\$129.9530-2191-0 w/Loco-Sound™
\$229.9530-2191-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Operating Directionally Controlled Headlight
- Die-Cast Truck Sides and Pilots
- Detailed ABS Bodies
- Colorful Paint Schemes
- Operates on O-31 track
- Operating Metal Couplers
- All Metal Gears
- Decorative Metal Horn
- 2 Precision Flywheel-Equipped Motors
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Horn, and Diesel Engine Sounds or **All-New Proto-Sound® 2.0** with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely-Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
16" x 2 1/2" x 3 3/4"



Rectifier Electric Engines

The operating history of the Rectifier Electric Locomotive dates back to the 1890s when Peter Cooper-Hewitt discovered how a mercury rectifier actually works. About the same time, Charles Steinmetz of General Electric (GE) was also working on this operating principle to identify converters for commercial and industrial applications for the process. A railway vehicle application occurred in 1906, which initiated years of rail car experimentation on a few railroad lines. Following World War II, a device known as the Ignition came to the forefront in the experimentation of rectifier technology. The use of the Ignition on railway units helped to open the door for electrification and modernization of railroads.



The E-33 Rectifier Electric Train has a somewhat complicated history in that it first made an appearance as the Virginian EL-3a. Once the Virginian Railway merged with the Norfolk & Western, these locomotives were classified as EF-4s. That's when the New Haven Railroad bought several of them for \$20,000 each.

The E-33 Rectifier Electric Locomotive represents a significant point in the electrification and modernization of railroads. The RailKing E-33 Rectifier Electric Locomotive reflects the importance of this engine in its authentic detail and special features listed.

NEW

Add a
New Haven
6-Car
Freight Set
See Page 54

New Haven
Rectifier Electric Engine
Item No. 30-2518

\$159.9530-2518-0 w/Loco-Sound™
\$259.9530-2518-1 w/Proto-Sound® 2.0

NEW

Add a
Virginian
6-Car
Freight Set
See Page

Virginian
Rectifier Electric Engine
Item No. 30-2519

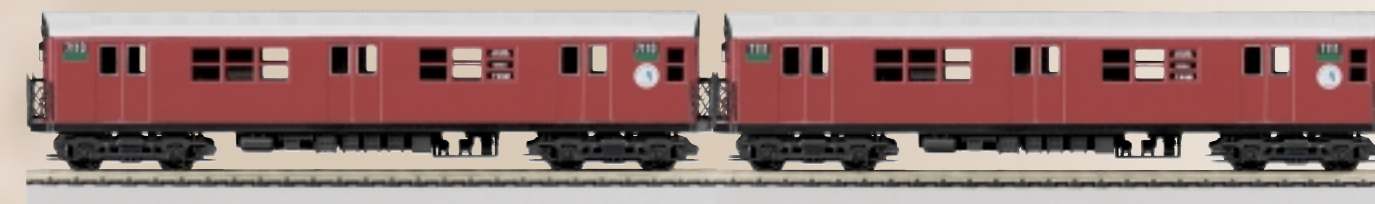
\$159.9530-2519-0 w/Loco-Sound®
\$259.9530-2519-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Operating Headlight
- Die-Cast Pilots, and Trucks with All-Metal Wheels and Gears
- Colorful Paint Schemes
- Operates on O-31 Track
- Operating Metal Pantographs
- Detailed ABS Bodies
- Operating Decorative Metal Horn
- 2 Precision Flywheel-Equipped Motors
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Horn, and Electric Engine Sounds or **All-New Proto-Sound® 2.0** with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
13 3/8" x 2 1/2" x 3 3/4"



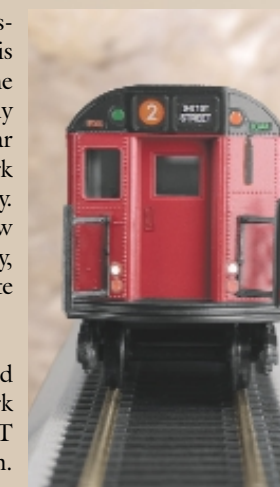
NEW



R21 4-Car Subway Set

While not the first municipal subway system, the New York Subway System is among the world's greatest. Serving the boroughs of New York City, the subway transports millions of people each year under the auspices of the New York Metropolitan Transportation Authority. The subway is as much a symbol of New York City as are the Statue of Liberty, Brooklyn Bridge, and the Empire State Building.

St. Louis Cars produced two hundred and fifty R21 subway cars for New York MTA in 1956 for use on the IRT (Interborough Rapid Transit) Division. These so-called "SMEE" (Self-lapping Mechanical Electrical Equipment) cars and their siblings, the R22s were single-unit cars, unlike the later R26 and higher series, which were "married pairs." Other than their single-unit configuration, these



R21 cars are almost identical to the 26, 28, 29, 33, and 36 series and boast the look most often associated with New York subway cars.

By popular demand, MTH reprises the 1998 4-car New York subway set that makes the third rail prototypical. RailKing subway cars feature intricately detailed ABS bodies and die cast trucks. Cars also include detailed interiors for extra realism. If you like the great looks and great operation, you'll love the great sounds provided by our optional Proto-Sound® 2.0 system. With Proto-Sound 2.0, you will hear station announcements, brake sounds, doors opening and

closing, embarking and disembarking passengers, and much more. The subway set is available with the standard and optional features listed.

Metropolitan Transportation Authority
R21 4-Car Subway Set
Item No. 30-2198

\$199.9530-2198-0 w/Loco-Sound™
\$299.9530-2198-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Operating Headlights
- Durable, Intricately Detailed ABS Bodies
- Operating Metal Couplers
- Detailed Car Interiors
- Undercarriage Chassis Detail
- All Metal Gears
- Overhead Interior Lighting
- Die-Cast Trucks
- Operates on O-27 Track
- 2 Precision Flywheel-Equipped Motors in the Powered Unit
- Set Includes 1 Twin Motored Powered Unit and 3 Non-Powered Coaches
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Horn, and Electric Motor Sounds or **All-New Proto-Sound® 2.0** with Digital Command System Featuring Various Station Stop Proto-Effects™, Squeaking Brakes, and Improved Remotely-Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Each Car Measures Approximately:
13 1/2" x 2 1/2" x 3 3/8"



Denver Rio Grande
Galloping Goose Diesel
Item No. 30-2203


\$249.95 30-2203-1 w/P roto-Sound®

Galloping Goose Diesel

When you are a struggling railroad and are providing freight and passenger service in sparsely populated areas, most rail bosses can't afford to serve them with a top of the line Challenger or Hudson. Instead, railroads looked for more affordable motive power options and often found ways to put flanged wheels on whatever was available and still running. Such was the case when some ingenious railroaders stuck flanged wheels on a bus and began hauling freight and passengers in it. Thus was born the Galloping Goose.

Now you can have your own RailKing Galloping Goose to provide service to your railroad's branch lines. Featuring a smooth and efficient motor, the RailKing Galloping Goose will be a fun addition to your power roster. The durable ABS body rides atop a metal frame and wheels.

FEATURES INCLUDE

- Operating headlight
- Die-cast trucks
- Operating Metal Couplers
- Operates on O-27 T track
- Electronic Reverse Unit
- Lighted Interior
- Precision Flywheel-Equipped Motor
- Electronic Horn
- Equipped with Proto-Sound® Digital Sound and Train Control System Featuring Squeaking Brakes, Passenger Station Proto-Effects™ Sounds by 
- Locomotive Measurements: 11" x 2" x 2 1/2"



Chicago, PCC Electric Street Car
Item No. 30-2521

\$99.95 30-2521-0 w/L oco-Sound™
\$199.95 30-2521-1 w/P roto-Sound® 2.0

PCC Electric Street Car

In the 1920s the great rise in the popularity of the automobile prompted a desperate effort to save the dying streetcar industry. The automobile's success made it essential that a modern streetcar be designed both with a high level of comfort and the ability to travel safely amidst automobile traffic. These efforts resulted in the PCC Electric Street Car. Most systems noticed an increase in ridership and revenue immediately after the introduction of the PCC car, which gave streetcars a new, progressive image.

This year we add the "Blue Goose" of Chicago's great street car system as the sixth edition in our on-going series of RailKing PCC cars. Like our previous PCCs, the model is optionally outfitted with Proto-Sound® 2.0, which includes PA announcements at each stop as well as the sounds of passengers embarking and disembarking. It truly makes for an exciting addition to your model railroad.

FEATURES INCLUDE

- Directionally Controlled Headlights
- Durable ABS Intricately Detailed Body
- Operates On O-27 T track
- Operating Trolley Pole
- Colorful, Authentic Markings
- Die-Cast Truck Blocks With All-Metal Wheels & Gears
- Precision Flywheel-Equipped Motor
- Operating Marker Lights & Interior Lights
- Equipped with your choice of **All-New** Loco-Sound™ Featuring Locomotive Speed Control and Bell, Horn, and Electric Motor Sounds or **All-New** Proto-Sound® 2.0 with Digital Command System Featuring Various Street Announcement Proto-Effects™, Squeaking Brakes, and Improved Remotely-Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 11 5/8" x 2 5/8" x 3 1/2"



RAIL KING ELECTRIC

GG-1 Electric Engines

The GG-1 could be called the Gold Standard for electric locomotives, with its unparalleled longevity and road performance. Its incredible performance record is probably due to the fact that it had to compete for its spot on the Pennsy roster. When the PRR was in the market for a new high-speed passenger locomotive, it was given two prototypes to consider. The GG-1, based on the New Haven EP3, defeated the R1 in the contest to determine which engine Pennsy would order, and so began the engine's unparalleled dominance.



The 139-unit GG-1 fleet was built between 1934-44, primarily for passenger work, though during WWII and in the 1950s when passenger train miles were reduced the engines did dual duty, pulling freight trains when needed. The GG-1 survived longer than any other locomotive design, lasting well into the 1980s, and survived both the railroad that created it and that road's successor, Penn Central.

M.T.H. is proud to present a replica of this legendary engine in the markings of the three railroads best-known for using it: the Pennsylvania, Penn Central, and Conrail. We're sure it will pull your own passenger or freight consist as reliably as the original did. The RailKing GG-1 is available with the standard and optional features listed.



Add a Pennsylvania 6-Car Freight Set - See Page 55



Add a Conrail 6-Car Freight Set - See Page 54



Add a Pennsylvania 6-Car Freight Set - See Page 55

Pennsylvania, Brunswick Green w/Single Stripe
GG-1 Electric Engine
Item No. 30-2515-1

\$299.9530-2515-0 w/Loco-Sound™
\$399.9530-2515-1 w/Proto-Sound® 2.0

Conrail
GG-1 Electric Engine
Item No. 30-2516-1

\$299.9530-2516-0 w/Loco-Sound™
\$399.9530-2516-1 w/Proto-Sound® 2.0

Penn Central
GG-1 Electric Engine
Item No. 30-2517-1

\$299.9530-2517-0 w/Loco-Sound™
\$399.9530-2517-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Directionally-Controlled Headlights
- Die-Cast Pilots and Trucks, with All-Metal Wheels and Gears
- Colorful Paint Schemes
- Die-Cast Metal Body
- Stamped Metal Floor
- Operating Metal Pantographs
- Operates on O-31 Curves
- Decorative Metal Horn
- 2 Precision Fly-wheel-Equipped Motors
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Horn, and Electric Engine Sounds or **All-New Proto-Sound® 2.0** with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 15" x 2 5/8" x 4"



RAIL KING DIESEL

RS-3 Diesel Engines

Characterized by its long hood and single large exhaust stack, the Alco RS-3 road switcher boasted a 244 engine that provided 1600 horsepower. Although its switching abilities meant that it could run with either end in front, it was generally used with the long hood as the front end of the engine, unlike many other locomotives. Engineers liked the visibility provided by the engine shape. Although they were generally used to haul freight, RS-3s were extremely versatile general-purpose engines that could also haul passenger trains.

Alco had an immediate success with the RS-3, producing more than 1300 of the locomotives between 1950 and 1956, even when later RS models were available. In fact, the RS-2s and RS-3s were so popular with the railroads that their success finally prompted rival EMD to make their first true road switchers, the BL and GP series.



This extremely popular locomotive makes its first appearance in the M.T.H. RailKing line. We're sure you will enjoy it as much as its engineers did. It is available in the markings of the Pennsylvania Railroad, Union Pacific Railroad and the Rock Island Railroad with the features listed.



Add Union Pacific Rolling Stock - See Page 50-53



Add a Pennsylvania 6-Car Freight Set - See Page 55



NEW

Union Pacific, RS-3 Diesel Engine
Item No. 30-2200

\$149.9530-2200-0 w/Loco-Sound™
\$249.9530-2200-1 w/Proto-Sound® 2.0

Pennsylvania, RS-3 Diesel Engine
Item No. 30-2201

\$149.9530-2201-0 w/Loco-Sound™
\$249.9530-2201-1 w/Proto-Sound® 2.0

Rock Island, RS-3 Diesel Engine
Item No. 30-2202

\$149.9530-2202-0 w/Loco-Sound™
\$249.9530-2202-1 w/Proto-Sound® 2.0

FEATURES INCLUDE

- Operating Headlight
- Die-Cast Truck Sides, Pilots, and Fuel Tank
- Detailed ABS Bodies
- Colorful Paint Schemes
- Operates on O-31 Track
- Operating Metal Couplers
- All Metal Gears
- Metal Handrails & Horn
- 2 Precision Flywheel-Equipped Motors
- Equipped with your choice of **All-New Loco-Sound™** Featuring Locomotive Speed Control and Bell, Horn and Diesel Engine Sounds or **All-New Proto-Sound® 2.0** with DCS Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®
- Among the many exciting new features available with the optional new Digital Command System are
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately:
14" x 2 1/2" x 3 13/16"

Trolley Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

Introduce someone you love to model railroading with the magic of the RailKing® Ready-To-Run trolley train set. M.T.H. is pleased to present a Christmas-themed trolley set and a Metropolitan themed trolley set that will perfectly complement your other holiday decorations. Set it up under the Christmas tree to evoke the charm of years gone by.

M.T.H. is proud to present the best value for your model railroading dollar with our complete Ready-To-Run sets. This Ready-To-Run set is complete with a eight-piece RealTrax™ set and a powerful transformer. The set assembles in minutes and the trolley features a durable drive train guaranteed to last for years. Thanks to the simple RealTrax design, each track section snaps together easily without the danger of cut hands, bent connector pins, or lost rail joiners often found in traditional track designs. It's a perfect set-up for the little engineers operating your railroad.



Christmas Theme, Trolley
Ready-To-Run Train Set

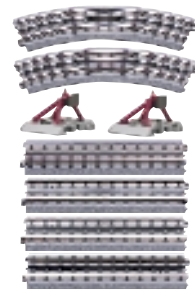
\$99.9530-4040-0

New York Transit , Trolley
Ready-To-Run Train Set

\$99.9530-4041-0

FEATURES INCLUDE

- 0-4-0 Trolley Locomotive
- Powerful Transformer
- (2) RealTrax™ O-31 Curves
- (4) RealTrax™ 10" Straights
- (2) RealTrax™ Lighted Bumpers



- Lighted Lockon & Wire Harness
- ABRM (Automatic Bumper Reversing Mechanism)
- Railware Interactive CD Rom with Track Layout Software
- Trolley Measures Approximately:
8" x 2 1/4" x 3 3/8"

0-4-0 Dockside Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

The Jersey Central Dockside 0-4-0 ready-to-run set is the perfect introductory set for the young newcomer to O gauge railroading. The die-cast metal Jersey Central 0-4-0 Dockside switcher steam engine leads the complete set. Found primarily in switchyards during the late 1800s and early 1900s, dockside steam engines featured a built-in coal bunker behind the cab rather than a coal tender. Trailing behind the 0-4-0 steam engine are the Jersey Central Box Car, the Jersey Central Hopper Car with a coal load, and the Jersey Central wood-sided caboose with mechanical whistle.

Both the freight cars and the caboose feature die-cast metal trucks and operating metal couplers, as well as fast-angle wheels and metal needle-point



Jersey Central, 0-4-0 Dockside Steam Freight
Ready-To-Run Train Set

\$159.9530-4035-0 w/Whistle

FEATURES INCLUDE

- Set Features:
- 0-4-0 Steam Locomotive
 - Box Car, Hopper with Coal Load, and Lighted Caboose
 - 50-Watt Z-500™ Transformer
 - 31" x 31" RealTrax™ Circle



- Lighted Lockon & Wire Harness
- Railware Interactive CD Rom with Track Layout Software

Locomotive Features:

- Die-Cast Metal Locomotive
- Operates on O-27 Track
- Operating Headlight
- Precision Motor
- Operating ProtoSmoke® System
- Electronic Reverse Unit
- Operating Metal Couplers
- Locomotive Measures Approximately:
7 3/4" x 2 1/2" x 3 1/2"

Freight Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Operating Caboose Interior Lamp
- Operating Mechanical Whistle in Caboose
- Freight Cars Measure Approximately:
10 1/2" x 2 1/2" x 3 3/4"

axles for a smooth and quiet ride. Best of all, this set's combination of the 50-watt transformer and the awesome pulling power of the 0-4-0 will allow the budding operator to add cars to the set without needing to upgrade either the locomotive or the transformer.

M.T.H. is proud to present the best value for your model railroading dollar with our complete Ready-To-Run sets. This ready-to-run set is complete with an eight-piece RealTrax™ circle and a powerful 50-watt transformer. Each RealTrax™ section snaps together easily without the danger of cut hands, bent connector pins, or lost rail joiners often found in traditional track designs.

2-8-0 Steam Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

This Ready-To-Run train set provides the perfect mix of nostalgia and holiday good cheer. The 2-8-0 steam locomotive is a detailed replica of the 2-8-0 engines perfected by the Pennsylvania Railroad, which added a two-wheel bogie truck to an 0-8-0 steam to more evenly distribute the locomotive's weight. The "Merry Christmas" paint on the train set will add excitement to your own holiday decorations.

Both the freight cars and the caboose feature die-cast metal trucks and operating metal couplers, as well as fast-angle wheels and metal needle-point axles for a smooth and quiet ride. Best of all, this set's combination of the 75-watt transformer and the awesome pulling power of the 2-8-0 will allow for future cars to be added without needing to upgrade either the locomotive or the transformer.

This Ready-To-Run set is complete with an eight-piece RealTrax™ loop and one of the most powerful ready-to-run set transformers in the O Gauge mar-



Christmas 2000, 2-8-0 Steam Freight Ready-To-Run Train Set

\$229.9530-4033-0 w/Loco-Sound™
\$299.9530-4033-1 w/Proto-Sound 2.0

FEATURES INCLUDE

- Set Features:
- 2-8-0 Steam Locomotive
 - Box Car, Gondola, and Lighted Caboose
 - 75-Watt Z-750™ Transformer
 - **Loco-Sound™ Wireless Infrared Remote Control**
 - 31" x 31" RealTrax™ Circle



- Lighted Lockon & Wire Harness
- Railware Interactive CD Rom with Track Layout Software
- AC/DC Cassette Player with Holiday Tape

Locomotive Features:

- Die-Cast Metal Locomotive
- ABS Molded Tender
- Operates on O-27 Track
- Operating Headlight
- Precision Flywheel-Equipped Motor
- **Redesigned Operating ProtoSmoke® System**
- Operating Metal Coupler
- Metal Wheels, Axles, & Gears
- **Equipped with your choice of All-New Loco-Sound™ Featuring Locomotive Speed Control and Bell, Whistle, and Steam Chuffing or All-New Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®**
- **Among the many exciting new features available with the optional new Digital Command System are**
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately: 18 3/4" x 2 1/2" x 3 3/4"

Freight Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Operating Caboose Interior Lamp
- Cars Measure Approximately: 10 1/2" x 2 1/2" x 3 3/4"

F40PH Diesel Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

This colorful Ready-To-Run train set is the perfect introduction to the hobby for any budding model railroader! The legendary F40PH is painted in the bright colors of the CSX railroad. It pulls a CSX box car, a tank car, and an eye-catching CSX caboose, each fully equipped with die-cast metal trucks and operating metal couplers, as well as fast-angle wheels and metal needle-point axles for a smooth and quiet ride.

The durable, intricately-detailed locomotive body rides atop a metal frame and die-cast trucks. Add to these features operating metal couplers, metal wheels and gears, and a real operating headlight and the F40PH makes quite a sight heading up its consist. Best of all, the set's combination of the 75-watt transformer and the incredible pulling power of the F40PH will allow for future cars to be added to your consist without upgrading either the loco-



CSX, F40PH Diesel Freight Ready-To-Run Train Set

\$199.9530-4034-0 w/Loco-Sound™
\$279.9530-4034-1 w/Proto-Sound 2.0

FEATURES INCLUDE

- Set Features:
- F40PH Diesel Locomotive
 - Box Car, Tank Car, and Lighted Caboose
 - 75-Watt Z-750™ Transformer
 - **Loco-Sound™ Wireless Infrared Remote Control**
 - 31" x 31" RealTrax™ Circle



- Lighted Lockon & Wire Harness
- Railware Interactive CD Rom with Track Layout Software

Locomotive Features:

- Operating Headlight
- Durable ABS Intricately Detailed Body
- Die-Cast Truck Blocks with All-Metal Wheels, Axles, and Gears
- Operates on O-27 Track
- Operating Metal Couplers
- Decorative Metal Horn
- 2 Precision Flywheel-Equipped Motors
- **Equipped with your choice of All-New Loco-Sound™ Featuring Locomotive Speed Control and Bell, Horn, and Diesel Engine Noises or All-New Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®**
- **Among the many exciting new features available with the optional new Digital Command System are**
 - Variable Locomotive Speed Control
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Measures Approximately: 14 1/2" x 2 5/8" x 3 5/8"

Freight Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Operating Caboose Interior Lamp
- Measure Approximately: 10 1/2" x 2 1/2" x 3 3/4"

Pennsy Express Steam Freight Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

NEW

Realizing in the 1940s that diesel power was proving to be quite cost effective on other railroads, the Pennsylvania Railroad experimented with ways to make steam power more competitive with the diesel revolution. One bold new design deriving from the PRR's efforts was the S-2 6-8-6 Steam Turbine, a hybrid between the normal reciprocating steamer and a diesel or electric. While the S-2 still had a firebox and boiler and still generated steam, the pressure was run through a turbine instead of reciprocating cylinders to make power. Rather than the usual puffing noise associated with steam, this engine made a repetitive swoosh-swoosh as it ran (our Proto-Sound® 2.0 version replicates this unique sound). The turbine design provided smooth and constant power to the drive wheels and at higher speeds proved to be much more efficient than traditional steam locomotives. Despite its high-speed efficiency, the S-2 still retained many of the high costs of operating a steam engine. Pennsylvania made only one engine of this kind, and we are proud to present it in our Ready-To-Run train set. The 6-8-6 is backed up by the Pennsy Box Car, 3-Dome Tank Car, and N5c Caboosie.

Both the freight cars and the caboosie feature die-cast metal trucks and operating metal couplers, as well as fast-angle wheels and metal needle-point axles for a smooth and quiet ride. Best of all, this set's combination of the 75-watt transformer and the awesome pulling power of the 6-8-6 will allow you to add cars to the set without needing to upgrade either the locomotive or the transformer.



Pennsylvania, 6-8-6 Turbine Steam Freight Ready-To-Run Train Set

\$199.9530-4037-0 w/Loco-Sound®
\$279.9530-4037-1 w/Proto-Sound 2.0

FEATURES INCLUDE

- Set Features:
- 6-8-6 Turbine Steam Locomotive
 - Box Car, 3-Dome Tank Car, and Lighted Caboosie
 - 75-Watt Z-750™ Transformer
 - Loco-Sound™ Wireless Infrared Remote Control
 - 31" x 31" RealTrax™ Circle



- Lighted Lockon & Wire Harness
- Railware Interactive CD Rom with Track Layout Software

Locomotive Features:

- Die-Cast Metal Locomotive
- ABS Molded Tender
- Operates on O-27 Track
- Operating Headlight
- Precision Flywheel-Equipped Motor
- **Redesigned** Operating ProtoSmoke® System
- Operating Metal Coupler
- Metal Wheels, Axles and Gears
- **Equipped with your choice of All-New Loco-Sound™ Featuring Locomotive Speed Control and Bell, Whistle, and Turbine Steam Swooshing or All-New Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®**
- **Among the many exciting new features available with the optional new Digital Command System are**
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately: 20" x 2 1/2" x 3 1/2"

Freight Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Operating Caboosie Interior Lamp
- Cars Measure Approximately: 10 1/2" x 2 1/2" x 3 3/4"

Powhatten Arrow Steam Passenger Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

NEW

The Norfolk & Western Class J 4-8-4 steam locomotive was especially designed to muscle the N&W's passenger cars over the railroad's tough, mountainous terrain. Not only was the engine nimble and powerful enough to top the highest mountains and to slow quickly for sharp curves before exploding back to full speed, but it is also considered one of the most beautiful streamlined steam engines ever built. The MTH 4-8-4 is a detailed replica of this engine's sleek good looks. It is backed by a matching streamlined 3-car passenger set, equipped with overhead lighting and detailed car interiors.

Each passenger car is constructed from durable ABS materials and features undercarriage detail, die-cast metal trucks, and operating metal couplers as well as fast-angle wheels and metal needle-point axles for a smooth, quiet ride. Best of all, the Ready-To-Run set's 75-watt transformer and the incredible pulling power of the 4-8-4 will allow you to add future cars to your consist without needing to upgrade either the locomotive or the transformer. M.T.H. is proud to present the best value for your model railroading dollar with our complete Ready-To-Run sets.



Norfolk & Western, 4-8-4 J Steam Passenger Ready-To-Run Train Set

\$229.9530-4036-0 w/Loco-Sound™
\$299.9530-4036-1 w/Proto-Sound 2.0

FEATURES INCLUDE

- Set Features:
- 4-8-4 J Steam Locomotive
 - 3-Car Streamlined Passenger Set
 - 75-Watt Z-750™ Transformer
 - Loco-Sound™ Wireless Infrared Remote Control
 - 31" x 31" RealTrax™ Circle



- Lighted Lockon & Wire Harness
- Railware Interactive CD Rom with Track Layout Software

Locomotive Features:

- Die-Cast Metal Locomotive
- ABS Molded Tender
- Operates on O-27 Track
- Operating Headlight
- Precision Flywheel-Equipped Motor
- **Redesigned** Operating ProtoSmoke® System
- Operating Metal Coupler
- Metal Wheels, Axles and Gears
- **Equipped with your choice of All-New Loco-Sound™ Featuring Locomotive Speed Control and Bell, Whistle and Steam Chuffing or All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®**
- **Among the many exciting new features available with the optional new Digital Command System are**
 - Variable Locomotive Speed Control
 - Variable Smoke Unit Output
 - Independent Light Control
 - Diagnostic Memory Features
 - Customizable, Downloadable Sounds
 - Simultaneous TMCC Operation
- Locomotive Measures Approximately: 20" x 2 1/4" x 3 1/2"

Passenger Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Operating Interior Lamps
- Detailed Car Interiors
- Passenger Cars Measure Approximately: 16 3/4" x 2 1/2" x 3 3/4"

4-8-4 Daylight Special Steam Passenger



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

Now you can share in the legend of one of the most beautiful passenger trains of all time: The Southern Pacific Daylight. The newly redesigned Daylight was the most luxurious train of its day when it appeared in 1937, and we have captured the beautiful paint job and intricately detailed engine and cars that made the train unforgettable. This complete Ready-To-Run set includes a durably constructed die-cast 4-8-4 Daylight steam locomotive, complete with electronic horn or the optional Proto-Sound® Digital Sound and Train Control System. Trailing behind the red and orange streamlined engine are three matching passenger cars, each featuring overhead lighting and detailed car interiors.

Each passenger car is constructed from durable ABS materials and features undercarriage detail, die-cast metal trucks, and operating metal couplers as well as fast-angle wheels and metal needle-point axles for a smooth, quiet ride. Best of all, the set's 75-watt transformer and the incredible pulling power of the 4-8-4 will allow you to add future cars to your consist without

needing to upgrade locomotive or transformer. M.T.H. is proud to present the best value for your model railroading dollar with our complete Ready-To-Run sets.

M.T.H. is also proud to introduce our new electronic features on the Ready-to-Run sets. We offer two new sound systems: Loco-Sound Featuring Locomotive Speed Control and Proto-Sound® 2.0 with DCS Digital Command System Featuring Passenger Station Proto-Effects™. Proto-Sound 2.0 recreates the exciting sounds of an authentic steam locomotive complete with digitally reproduced sounds of the engine's chuffing, bell, horn, engineer cab chatter radio transmissions, and Passenger Station sound effects. We're also pleased to announce that we now equip all M.T.H. Ready-to-Run sets with remote control operation, with our new Loco-Sound Wireless Remote Control. We're sure these new features, which are described more fully in the introductory pages of the catalog, will enhance your model railroading experience.



Southern Pacific, 4-8-4 Daylight Steam Passenger Ready-To-Run Train Set

\$229.9530-4039-0 w/Loco-Sound™
\$299.9530-4039-1 w/Proto-Sound 2.0

FEATURES INCLUDE

- Set Features:
- 4-8-4 Gs-4 Steam Locomotive
 - 3-Car Streamlined Passenger Set
 - 75-Watt Z-750™ Transformer
 - Loco-Sound™ Wireless Infrared Remote Control
 - 31" x 31" RealTrax™ Circle



- Lighted Lockon & Wire Harness
- Railware Interactive CD Rom with Track Layout Software

Locomotive Features:

- Die-Cast Metal Locomotive
- ABS Molded Tender
- Operates on O-27 Track
- Operating Headlight
- Precision Flywheel-Equipped Motor
- **Redesigned Operating ProtoSmoke® System**
- Operating Metal Coupler
- Metal Wheels, Axles and Gears
- **Equipped with your choice of All-New Loco-Sound™ Featuring Locomotive Speed Control and Bell, Whistle and Steam Chuffing or All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®**
- **Among the many exciting new features available with the optional new Digital Command System are**

- Variable Locomotive Speed Control
- Variable Smoke Unit Output
- Independent Light Control
- Diagnostic Memory Features
- Customizable, Downloadable Sounds
- Simultaneous TMCC Operation

- Locomotive Measures Approximately:
20" x 2 1/2" x 3 1/2"

Passenger Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Operating Interior Lamps
- Detailed Car Interiors
- Cars Measure Approximately: 13 1/2" x 2 1/4" x 3 1/2"

F-3 Super Chief Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

Perhaps the most popular locomotive paint scheme to ever grace the rails, the Santa Fe Warbonnet may be the most modeled deco scheme in model railroading. The allure of its silver and red livery has created indelible memories of the Santa Fe Super Chief in many a railfans mind. This complete ready-to-run set includes a durably constructed ABS molded Santa Fe F-3 two-motored diesel locomotive, complete with our new Loco-Sound™ or the optional Proto-Sound® 2.0 with Digital Command System. Trailing behind the silver & red streamlined A Unit are three matching streamlined passenger cars each featuring overhead lighting and detailed car interiors.

Each passenger car is constructed from durable ABS material and feature undercarriage detail, die-cast metal trucks and operating metal couplers as well as fast-angle wheels and metal needle-point axles for a smooth quiet



ride. Best of all, the set's combination of the 75-watt transformer and the incredible pulling power of the two flywheel-equipped motors inside the F-3 will allow for future cars to be added to your consist without upgrading locomotive or transformer. M.T.H. is proud to present the best value for your model railroading dollar with our complete Ready-To-Run sets.

The optional Proto-Sound® 2.0 Digital Command System recreates the exciting sounds of an authentic diesel locomotive complete with digitally reproduced sounds of the engine roar, bell, horn, engineer cab chatter radio transmissions and passenger station sound effects. The system also provides remote control over basic railroading functions like uncoupling, lockout direction, sound system volume control and much, much more!

Santa Fe, F-3 Super Chief Diesel Passenger Ready-To-Run Train Set

\$229.9530-4043-0 w/Loco-Sound™
\$299.9530-4043-1 w/Proto-Sound 2.0

FEATURES INCLUDE

- Set Features:
- F-3 A Unit Diesel Locomotive
 - Baggage Car, Vista Dome Car, Observation Car
 - 75 Watt Z-750™ Transformer
 - Loco-Sound™ Wireless Infrared Remote Control
 - 31" x 51" RealTrax™ Oval



- Lighted Lockon & Wire Harness
- A Sound CD

Locomotive Features:

- Operating Headlight
- Durable ABS Intricately Detailed Body
- Operates on O-27 Track
- Metal Handrails and Decorative Metal Horn
- 2 Flywheel-Equipped Precision Motors
- Operating Electronic Horn
- Operating Metal Coupler
- Die-Cast Truck Blocks with All-Metal Wheels, Axles and Gears
- **Equipped with your choice of All-New Loco-Sound™ Featuring Locomotive Speed Control and Bell, Horn, and Diesel Engine Sounds or All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®**
- **Among the many exciting new features available with the optional new Digital Command System are**

- Variable Locomotive Speed Control
- Independent Light Control
- Diagnostic Memory Features
- Customizable, Downloadable Sounds
- Simultaneous TMCC Operation

- Locomotive Measures Approximately:
14 1/2" x 2 5/8" x 3 5/8"

Passenger Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Overhead Lighting and Detailed Interior
- Cars Measure Approximately:
10 1/2" x 2 1/2" x 3 3/4"

Broadway Limited Steam Passenger Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

Realizing in the 1940s that diesel power was proving to be quite cost effective on other railroads, the Pennsylvania Railroad experimented with ways to make steam power more competitive with the diesel revolution. One bold new design deriving from the PRR's efforts was the S-2 6-8-6 Steam Turbine, a hybrid between the normal reciprocating steamer and a diesel or electric. While the S-2 still had a firebox and boiler and still generated steam, the pressure was run through a turbine instead of reciprocating cylinders to make power. Rather than the usual puffing noise associated with steam, this engine made a repetitive swoosh-swoosh as it ran (our Proto-Sound® 2.0 version will replicate this unique sound). The turbine design provided smooth and constant power to the drive wheels and at higher speeds proved to be much more efficient than traditional steam locomotives. Despite its high speed efficiency, the S-2 still retained many of the high costs of operating a steam engine. Pennsylvania made only one engine of this kind, and we are proud to present it in our Ready-To-Run train set. The 6-8-6 pulls a 3-Car Streamlined Passenger Set.

M.T.H. is proud to present the best value for your model railroading dollar with our complete Ready-To-Run sets. Each passenger car is constructed from durable ABS materials and features undercarriage detail, die-cast metal trucks, and operating metal couplers as well as fast-angle wheels and

metal needle-point axles for a smooth, quiet ride. Best of all, the set's 75-watt transformer and the incredible pulling power of the 6-8-6 will allow you to add future cars to your consist without needing to upgrade locomotive or transformer.

We also introduce new electronics in this catalog. The updated Loco-Sound with Locomotive Speed Control replaces the whistles and horns on our older sets. The optional improved Proto-Sound® 2.0 with DCS and Proto-Effects™ recreates the exciting sounds of this unique locomotive complete with digitally reproduced sounds of the engine's swooshing, bell, horn, engineer cab chatter radio transmissions, and Passenger Station sound effects. M.T.H.'s new Loco-Sound Wireless Remote Control, which comes standard with every set, provides remote control operation of your Ready-To-Run set.

Most recently available to O gauge fans in 1996, the PRR Steam Turbine was advertised at that time for more than \$795. Now we offer you this unique engine in a complete Ready-To-Run set with the full Proto-Sound 2.0 with Digital Command System for less than half that price. M.T.H. is proud to present the best value ever for your model railroading dollar.



Pennsylvania, 6-8-6 Turbine Steam Passenger Ready-To-Run Train Set

\$229.9530-4038-0 w/Loco-Sound®
\$299.9530-4038-1 w/Proto-Sound 2.0

FEATURES INCLUDE

Set Features:

- 6-8-6 Turbine Steam Locomotive
- 3-Car Streamlined Passenger Set
- 75-Watt Z-750™ Transformer
- Loco-Sound™ Wireless Infrared Remote Control
- 31" x 31" RealTrax™ Circle



- Lighted Lockon & Wire Harness
- Railware Interactive CD Rom with Track Layout Software

Locomotive Features:

- Die-Cast Metal Locomotive
- ABS Molded Tender
- Operates on O-27 Track
- Operating Headlight
- Precision Fly-wheel-Equipped Motor
- **Redesigned Operating ProtoSmoke® System**
- Operating Metal Coupler
- Metal Wheels, Axles and Gears
- **Equipped with your choice of All-New Loco-Sound™ Featuring Locomotive Speed Control and Bell, Whistle, and Steam Turbine Swooshing or All-New Proto-Sound® 2.0 with Digital Command System Featuring Passenger Station Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®**
- **Among the many exciting new features available with the optional new Digital Command System are**

- Variable Locomotive Speed Control
- Variable Smoke Unit Output
- Independent Light Control
- Diagnostic Memory Features
- Customizable, Downloadable Sounds
- Simultaneous TMCC Operation

- Locomotive Measures Approximately: 20" x 2 1/2" x 3 1/2"

Passenger Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Operating Interior Lamps
- Detailed Car Interiors
- Measure Approximately: 13 1/2" x 2 1/4" x 3 1/2"

McDonald's Freight Ready-To-Run Train Set



RAIL KING
READY-TO-RUN sets
THE COMPLETE SOLUTION

Add a colorful touch of Americana to your train collection! This brightly-painted McDonald's freight set perfectly complements the Original McDonald's RailTown Building (see page 60) to turn your layout into an authentically familiar Everytown USA. The F40PH diesel engine powers a McDonald's Box Car, Flat Car with Trailer and Caboose, to ensure that your restaurant is well-stocked.

Both the freight cars and the caboose feature die-cast metal trucks and operating metal couplers, as well as fast-angle wheels and metal needle-point axles for a smooth and quiet ride. Best of all, this set's combination of the 75-watt transformer and the awesome pulling power of the F40PH will allow for future cars to be added without needing to upgrade either the locomotive or the transformer.



McDonald's, Freight Set Ready-To-Run Train Set

\$199.9530-4042-0 w/Loco-Sound™
\$279.9530-4042-1 w/Proto-Sound 2.0

FEATURES INCLUDE

Set Features:

- F40PH Diesel Locomotive
- Box Car, Flat Car with Trailer and Lighted Caboose
- 75-Watt Z-750™ Transformer
- Loco-Sound™ Wireless Infrared Remote Control
- 31" x 31" RealTrax™ Circle



- Lighted Lockon & Wire Harness
- Railware Interactive CD Rom with Track Layout Software

Locomotive Features:

- Operating Headlight
- Durable ABS Intricately Detailed Body
- Die-Cast Truck Blocks with All-Metal Wheels, Axles, and Gears
- Operates on O-27 track
- Operating Metal Couplers
- Decorative Metal Horn
- 2 Precision Flywheel-Equipped Motors
- **Equipped with your choice of All-New Loco-Sound™ Featuring Locomotive Speed Control and Bell, Horn, and Diesel Engine Noises or All-New Proto-Sound® 2.0 with Digital Command System Featuring Freight Yard Proto-Effects™, Squeaking Brakes, and Improved Remotely Controlled Proto-Coupler®**
- **Among the many exciting new features available with the optional new Digital Command System are**

- Variable Locomotive Speed Control
- Independent Light Control
- Diagnostic Memory Features
- Customizable, Downloadable Sounds
- Simultaneous TMCC Operation

- Measures Approximately: 14 1/2" x 2 5/8" x 3 5/8"

Freight Car Features:

- Die-Cast Metal Trucks with Operating Metal Couplers
- Fast-Angle Wheels and Needle-Point Axles
- Operating Caboose Interior Lamp
- Cars Measure Approximately: 10 1/2" x 2 1/2" x 3 3/4"



Semi-Scale Rolling Stock

Expand your model railroad empire with an exciting array of RailKing® Ready-To-Run freight cars. Each car features a precision molded ABS plastic body mounted atop die-cast, sprung trucks* with operating metal couplers. Every truck comes equipped with needle-point axles and fast-angle metal wheels for a smooth rolling, quiet ride. The intricately detailed body sports the attractive paint scheme and detailed graphics that make RailKing freight cars an incredible model railroading value. Because every RailKing locomotive is engineered to pull at least a dozen freight cars, today's RailKing model railroader is able to create long, realistic consists with various cars for a truly authentic look.

FEATURES INCLUDE

- Durable ABS Plastic
- Die-Cast 4 or 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful Paint Schemes
- Most Cars Operate on O-27 Track
- Decorative Brake Wheels
- Detailed Caboose Interiors**
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Car Doors
- Each Car Measures Approximately:
10 1/2" x 2 1/2" x 3 3/4"

* Excluded On Most Caboose and Depressed Flats
** Detailed Interiors Not Found On All RailKing Caboose



O-27
NASA, Bay Window Caboose
Item No. 30-7735 \$39.95



O-27
M.T.H. Transport, Flat Car w/Ertl® '30 1/2 Ton Panel Van
Item No. 30-7671 \$39.95



O-27
Jersey Central, Crane Car
Item No. 30-7935 \$49.95



O-27
Southern Pacific, Steel Caboose
Item No. 30-7737 \$39.95



O-27
Needham Packing, Reefer Car
Item No. 30-7815 \$32.95



O-27
M.T.H. Transport, Flat Car w/8 Wheel Sets
Item No. 30-7668 \$32.95



O-27
M.T.H. Transport, Flat Car w/Airplane
Item No. 30-7672 \$39.95



O-27
Chicago Northwestern, Steel Caboose
Item No. 30-7734 \$39.95



O-27
Pepper Packing, Reefer Car
Item No. 30-7816 \$32.95



O-27
M.T.H. Transport, Flat Car w/4 Freight Car Trucks
Item No. 30-7669 \$32.95



O-27
Conrail, PS-2 Discharge Hopper Car
Item No. 30-7534 \$32.95 **NEW**



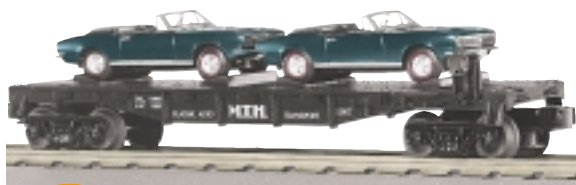
O-31
State Of Maine, 50' Modern Box Car
Item No. 30-7450 \$34.95



O-27
Norfolk & Western, Woodside Caboose
Item No. 30-7736 \$39.95



O-27
New York Central, Rounded Roof Box Car
Item No. 30-7447 \$32.95



O-27
M.T.H. Transport, Flat Car w/Ertl® '67 Camaros
Item No. 30-7670 \$39.95



O-27
Pennsylvania, PS-2 Discharge Hopper Car
Item No. 30-7537 \$32.95 **NEW**



O-31
Pennsylvania, 50' Modern Box Car
Item No. 30-7448 \$34.95



O-27
McDonald's, Tank Car
Item No. 30-7327 \$32.95



O-27
Seaboard, Rounded Roof Box Car
Item No. 30-7449 \$32.95



O-31
Southern Pacific, Searchlight Car
Item No. 30-7938 \$39.95



O-31
Chessie, Searchlight Car
Item No. 30-7933 \$39.95



O-31
Pennsylvania, Searchlight Car
Item No. 30-7937 \$39.95



O-31
New York Central, Searchlight Car
Item No. 30-7936 \$39.95

Die-Cast Rolling

M.T.H.'s past years of die-cast metal casting experience have taught us ways to combine state-of-the-art casting techniques with computer-aided design tools. Each process ensures the creation of the very finest die-cast metal rolling stock ever produced for O Gauge railroaders--all at prices more affordable than ever.

RailKing die-cast freight cars feature precision molded cast metal bodies mounted atop die-cast, sprung trucks* with operating metal couplers. Each truck features needle-point axles and fast-angle metal wheels for a smooth rolling, quiet ride despite the increased weight of the metal die-cast bodies. Each intricately detailed car sports an attractive paint scheme and detailed graphics that make RailKing die-cast freight cars an incredible model railroading value.

FEATURES INCLUDE

- Durable Die-Cast Metal Intricately Detailed Bodies
- Die-Cast 4 or 6-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful Paint Schemes
- Most Cars Operate on O-27 Track
- Decorative Brake Wheels
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Sliding Car Doors
- Stamped Metal Floors on Most Cars
- Each Car Measures Approximately: 10 1/2" x 2 1/2" x 3 3/4"

* Excluding cabooses and depressed-center flat cars



O-31
Northern Pacific, Die-Cast Searchlight Car
Item No. 30-8306 \$59.95 **NEW**



O-31
New York Central, Die-Cast Searchlight Car
Item No. 30-8305 \$59.95 **NEW**



O-27
Chesapeake & Ohio, Die-Cast Stock Car
Item No. 30-8701 \$44.95 **NEW**



O-27
Union Pacific, Die-Cast Stock Car
Item No. 30-8702 \$44.95 **NEW**

Operating Rolling

Operating RailKing freight cars are sure to fast become some of your favorite rolling stock items. This time, we offer four of our most popular items: our Hopper Car with Operating Coal Load, Dump Car with Operating Bay, Operating Hand Car, and Flat Car with Operating Helicopter. Each features near-silent operation and realistic movement.

The Hopper Car features a simulated coal load that "disappears" when the car rests at a coal dump. The Dump Car body rises up on one side. As it rises, the opposite bay's side drops down to allow the car's contents to slide out onto your track siding. The Hand Car's two track workers pump the handle as fast as they can, trying not to get run over by a train. The operating Helicopter actually flies. It lifts off the flat car base, rises into the air, and then lands on your layout, all without any connecting wires! Each of these amazing operating cars will add realism and fun to your railroad operation.

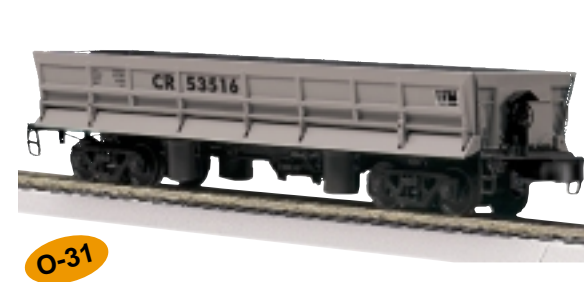
All cars feature simple operation and can be controlled with any manufacturer's operating track section.

FEATURES INCLUDE

- Durable, Intricately-Detailed ABS Bodies
- Die-Cast 4-Wheel Trucks
- Operating Die-Cast Metal Couplers
- Colorful Paint Schemes
- Most Cars Operate on O-27 Track
- Decorative Brake Wheels
- Fast-Angle Wheel Sets
- Needle-Point Axles
- Stamped Metal Floors on Most Cars
- Track-Activated Operating Mechanisms
- Each Car Measures Approximately: 10 1/2" x 2 1/2" x 2 1/2"

HAND CAR FEATURES

- 2 Hand-Painted Figures
- Precision Can Motor
- ABRM (Automatic Bumper Reversing Mechanism)
- Die-Cast Truck
- Metal Wheels and Gears
- Measures: 4 1/4" x 2" x 2 3/4"



O-31
Conrail, Dump Car w/Operating Bay
Item No. 30-7934 \$39.95



O-31
New York Central, Dump Car w/Operating Bay
Item No. 30-7941 \$ 39.95



O-27
Union Pacific, Hopper Car w/Operating Coal Load
Item No. 30-7538 \$39.95



O-27
NASA, Flat Car w/Operating Helicopter
Item No. 30-7940 \$59.95



O-27
Red Cross, Flat Car w/Operating Helicopter
Item No. 30-7942 \$59.95



O-27
Operating Hand Car
Item No. 30-2520 \$59.95

6-Car Freight Sets



Conrail, 6-Car Freight Set
Item No. 30-7011 \$199.95

- 27 Box Car
- 27 Gondola w/Junk Load
- 27 Hopper Car
- 31 Searchlight Car
- 27 3-Dome Tank Car
- 27 Bay Window Caboose

Perfect Complement for the Conrail SD-45 and GG-1 - See Page 22 &



Electro Motive, 6-Car Freight Set
Item No. 30-7012 \$199.95

- 27 Box Car
- 27 Auto Carrier w/'57 Chevys
- 27 Flat Car w/Trailer
- 27 Hopper Car
- 31 Depressed Flat Car w/Transformer
- 27 Steel Caboose

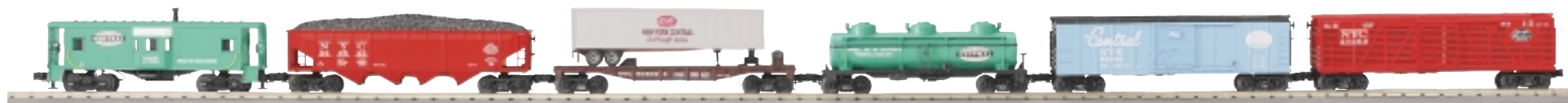
Perfect Complement for the EMD SD-45 Diesel - See Page 22



New Haven, 6-Car Freight Set
Item No. 30-7013 \$199.95

- 31 50' Modern Box Car
- 27 Flat Car w/Trailer
- 27 Gondola w/Cover
- 27 Hopper Car
- 31 Depressed Flat Car w/Transformer
- 27 Steel Caboose

Perfect Complement for the New Haven Rectifier - See Page 31



New York Central, 6-Car Freight Set
Item No. 30-7014 \$199.95

- 27 Stock Car
- 27 Box Car
- 27 3-Dome Tank Car
- 27 Flat Car w/Trailer
- 27 Hopper Car w/Coal Load
- 27 Bay Window Caboose

Perfect Complement for the NYC Mohawk Steamer - See



New York Ontario & Western, 6-Car Freight Set
Item No. 30-7015 \$199.95

- 27 Box Car
- 27 Gondola w/Junk Load
- 27 2 Bay Hopper Car
- 27 Hopper Car
- 27 Tank Car
- 27 Woodsided Caboose

Perfect Complement for the NYO & W L-3 Mohawk Steamer - See



Pennsylvania, 6-Car Freight Set
Item No. 30-7016 \$199.95

- 31 50' Modern Boxcar
- 27 Hopper Car
- 27 Flat Car w/Firetruck
- 27 Flat Car w/Trailer
- 27 3-Dome Tank Car
- 27 Woodsided Caboose

Perfect Complement for the Pennsy L-1 Mikado Steamer, "Baby" Turbine, RS-3 Diesel and GG-1 Electric - See Pages 10, 18, 36 & 39



Reading, 6-Car Freight Set
Item No. 30-7017 \$199.95

- 27 Box Car
- 27 Gondola w/Junk Load
- 27 Flat Car w/Trailer
- 27 Tank Car
- 27 Hopper Car
- 27 Steel Caboose

Perfect Complement for the Reading SW-1500 Diesel - See



Virginian, 6-Car Freight Set
Item No. 30-7018 \$199.95

- 27 Box Car
- 27 Flat Car w/Trailer
- 31 Searchlight Car
- 27 Crane Car
- 27 Crane Tender
- 27 Woodsided Caboose

Perfect Complement for the Virginian Rectifier - See Page 31



Norfolk & Western, 4 Bay Hopper 6-Car Freight Set
Item No. 30-7535 and 30-7536 \$199.95 (per set)
Both sets numbered differently

- 27 4 Bay Hopper

Perfect Complement for the N&W Y6b Steamer - See Page 12



MADISON PASSENGER SETS

Enjoy years of realistic operating fun with RailKing® Madison “Heavyweight” passenger cars. Each car is sturdily constructed and features die-cast metal trucks and operating couplers mounted under tough and rugged ABS plastic bodies. Each passenger car includes detailed, illuminated car interiors and end-of-car diaphragms for a realistic look. In addition, all RailKing passenger cars feature smooth rolling needle point axles for less drag and easy pulling.

FEATURES INCLUDE

Madison Cars

- Die-Cast 6 Wheel Trucks
- Operating Metal Couplers
- Interior Detail in Passenger Cars
- Two 3rd Rail Pickups per Car
- Each Passenger Car Features Overhead Lighting
- Operates on O-27 Curves
- Undercarriage Detail
- Each Car Measures Approximately:
13 1/2" x 2 1/4" x 3 1/2"



Baltimore & Ohio, 2-Car O-27 Madison Combo/Diner Set
Item No. 30-6269 \$79.95



Pennsylvania, O-27 Madison Coach Car
Item No. 30-6237 \$39.95



Pennsylvania, 4-Car O-27 Madison Passenger Set
Item No. 30-6236 \$159.95

Perfect Complement for the Pennsy K-4 Steamer - See Page 16



STREAMLINED PASSENGER SETS

Choose from two exciting styles of RailKing® streamlined passenger cars - a new-for-2000 smooth-roofed 60' model measuring nearly 15" in length or the O-27 rib-sided 13" car that set the standard for RailKing passenger cars. No matter which model you choose, each is designed for years of operating fun thanks to their sturdily constructed die-cast metal trucks and operating couplers mounted beneath tough ABS plastic bodies. Each four-car set includes detailed, illuminated passenger car interiors and end-of-car diaphragms for an added touch of realism. As with all RailKing passenger cars, each car truck features fast-angle wheels and smooth rolling needle point axles for less drag and easy pulling.

FEATURES INCLUDE

60' Streamlined Cars

- Die-Cast 4-Wheel Trucks
- Operating Metal Couplers
- Interior Detail in Passenger Cars
- Each Passenger Car Features Overhead Lighting
- Operates on O-31 Curves
- Undercarriage Detail
- 4- Car Sets Feature 1 Baggage, 1 Coach, 1 Vista Dome and 1 Observation Car
- Each Car Measures Approximately:
15 7/8" x 2 3/16" x 3 5/16"



NEW
Union Pacific, 2-Car 60' Streamlined ABS Sleeper/Diner Passenger Set - Smooth Sided
Item No. 30-6722 \$89.95



NEW
Rock Island, 2-Car 60' Streamlined ABS Sleeper/Diner Passenger Set - Smooth Sided
Item No. 30-6710 \$89.95



NEW
Pennsylvania, 2-Car 60' Streamlined ABS Sleeper/Diner Passenger Set - Smooth Sided
Item No. 30-6717 \$89.95



NEW
Santa Fe, 2-Car 60' Streamlined ABS Sleeper/Diner Passenger Set - Smooth Sided
Item No. 30-6719 \$89.95



NEW
Seaboard, 2-Car 60' Streamlined ABS Sleeper/Diner Passenger Set - Smooth Sided
Item No. 30-6720 \$89.95



Lehigh Valley, 4-Car 60' Streamlined ABS Passenger Set - Smooth Sided
Item No. 30-6711 \$179.95

Perfect Complement for the Lehigh Valley Alco PA Diesel Set - See



Pennsylvania, 4-Car 60' Streamlined ABS Passenger Set - Smooth Sided
Item No. 30-6715 \$179.95



Southern Pacific, 4-Car 60' Streamlined ABS Passenger Set - Smooth Sided
Item No. 30-6724 \$179.95

Perfect Complement for the Southern Pacific Alco PA Diesel Set - See Page



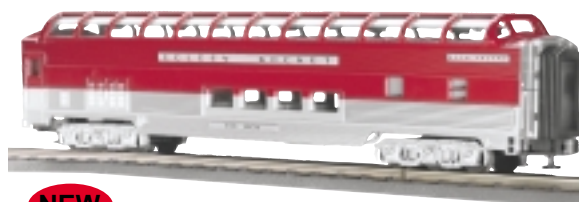
NEW

Seaboard, 60' Streamlined ABS Full-Length Vista Dome Car
Item No. 30-6721 \$49.95



NEW

Union Pacific, 60' Streamlined ABS Full-Length Vista Dome Car
Item No. 30-6723 \$49.95



NEW

Rock Island, 60' Streamlined ABS Full-Length Vista Dome Car
Item No. 30-6729 \$49.95

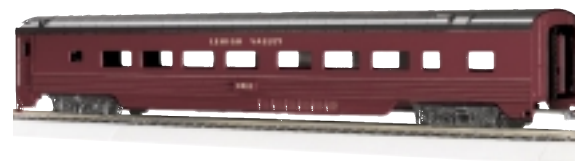


NEW

Santa Fe, 60' Streamlined ABS Full-Length Vista Dome Car
Item No. 30-6728 \$49.95



Rear-View
60' Streamlined Observation Car



Lehigh Valley, 60' Streamlined ABS Coach Car
Item No. 30-6712 \$45.95



Pennsylvania, 60' Streamlined ABS Coach Car
Item No. 30-6716 \$45.95



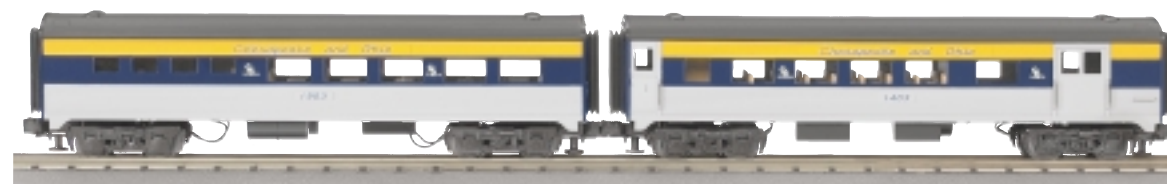
Southern Pacific, 60' Streamlined ABS Coach Car
Item No. 30-6727 \$45.95



Chesapeake & Ohio, O-27 Streamlined Full-Length Vista Dome Car
Item No. 30-6149 \$39.95



Denver Rio Grande, O-27 Streamlined Full-Length Vista Dome Car
Item No. 30-6151 \$39.95



Chesapeake & Ohio, 2-Car O-27 Streamlined Combo/Diner Set - Painted
Item No. 30-6148 \$79.95



Denver Rio Grande, 2-Car O-27 Streamlined Combo/Diner Set - Painted
Item No. 30-6150 \$79.95

FEATURES INCLUDE

- O-27 Streamlined Cars
- Die-Cast 4-Wheel Trucks
- Operating Metal Couplers
- Interior Detail in Passenger Cars
- Each Passenger Car Features Overhead Lighting
- Operates on O-27 Curves
- Undercarriage Detail
- Each Car Measures Approximately:
13 1/2" x 2 1/4" x 3 1/2"



RAIL KING BUILDINGS

Half the fun of model railroading is building a layout, and with RailKing® RailTown™ buildings, layout expansion is just a few steps away. These easy-to-use buildings require no assembly. Simply remove them from the box, wire up the pre-installed lights and start enjoying their attractive, detailed looks on your O Gauge pike. Constructed from sturdy ABS plastic and brightly painted and detailed, RailTown buildings are a perfect addition on any O-27 or O Gauge layout, as each is sized for use with all O Gauge locomotives and rolling stock.

Our most exciting new RailTown addition is a replica of the McDonalds Ray Kroc built in Des Plaines, Illinois, in 1955. The building now serves not as a restaurant but as a McDonalds museum, reminding us what an American institution the Golden Arches are.

Add a splash of life to your layout with these quality-built RailTown buildings. Constructed from sturdy ABS plastic and brightly decorated, RailTown buildings are a perfect addition on any O-27 or O Gauge layout. Each is sized for use with all O Gauge locomotives and rolling stock, comes pre-assembled and painted, and features exterior lighting.



Original McDonald's
Measures: 14 1/2" x 12" x 7 1/2"
Item No. 30-9034
\$69.95

NEW

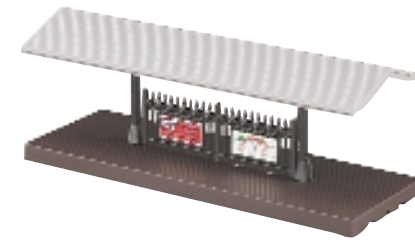
- Completely Pre-Assembled
- Easy-to-Wire Interior Lights
- Fully Decorated and Painted



McDonald's Freight Set, Ready-To-Run Train Set

\$199.9530-4042-0 w/Loco-Sound™
\$279.9530-4042-1 w/Proto-Sound 2.0

See Page 49 for for the McDonald's Ready-To-Run Set Features



Passenger Station Platform
Measures: 10" x 3 1/2" x 4"
Item No. 30-9006
\$19.95



Row House #2
Measures: 4 1/2" x 8 1/4" x 7 1/4"
Item No. 30-9024
\$24.95



First City Bank
Measures: 9 1/2" x 17 15/16" x 9 1/8"
Item No. 30-9017
\$39.95



Passenger Station w/dual Platforms
Measures: 19" x 9" x 8 1/2" (Orange)
Item No. 30-9005
\$79.95



Row House #1
Measures: 4 1/2" x 8 1/4" x 7 1/4"
Item No. 30-9023
\$24.95



#6 Farm House
Measures: 8 1/4" x 8" x 7"
Item No. 30-9016
\$29.95

Passenger Station w/dual Platforms
A new RailTown building joins your layout in a big way. The Passenger Station is a two story building with a passenger platform. Like other RailTown buildings, the Passenger Station comes fully assembled and with interior lighting.

- Features:**
- Completely Pre-Assembled
 - Fully Decorated
 - Easy-to-Wire Interior Lights



RKL Engine Shed
Measures: 24" x 8 1/2" x 13 1/2"
Item No. 30-9030
\$79.95



RAILKING BUILDINGS



Pennsylvania, Switch Tower
 Measures: 16 1/8" x 10 1/2" x 9 1/2"
 Item No. 30-9031
 \$29.95



Gray w/Blue Trim, Switch Tower
 Measures: 16 1/8" x 10 1/2" x 9 1/2"
 Item No. 30-9011
 \$29.95

Citgo, Operating Gas Station
 Measures: 15" x 11" x 6 1/2"
 Item No. 30-91 13
 \$129.95



The full service of the Operating Citgo Service Station arrives with all the Art Deco looks that made the service stations of the fifties so unique. Featuring a die-cast Ertl® Camaro, lighted Citgo signs and gas pumps, this operating accessory brings the service station to life at the touch of a button. When activated, the station's bay door rises to reveal a gleaming Camaro inside. The Chevy classic slowly pulls out of the bay and heads for the pump island for a fill up. It's all accompanied by the classic sounds of a service station, including the bell as each gallon is pumped. It's sure to be a favorite on your layout.



Operating Firehouse
 Measures: 15 1/2" x 16 1/2" x 11 1/2"
 Item No. 30-91 12
 \$129.95



The M.T.H. Operating Firehouse is sure to add excitement to any O Gauge layout. Designed for years of use, this unique accessory features interior illumination, flashing red warning lights, a die-cast Ertl® Fire Truck, sound effects, and operating movement of the bay door, fire truck and sliding fire fighter.

One push of the operating button and you'll awaken the station's members with the whine of the firehouse alarm. As the firefighters awake, the interior lights switch on, followed by the flashing of the exterior warning lights. Through the windows, you'll see a fire fighter slide down the fire pole. Watch and listen as the bay door opens and the fire truck's motor rumbles to life. Then, with its siren shrieking, the fire truck pulls out of the station and heads off to save the day!

Operating Passenger Station



Train Arrives...

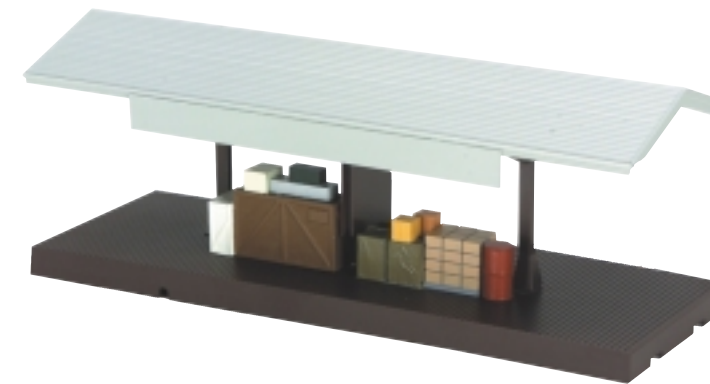


Passengers Board...

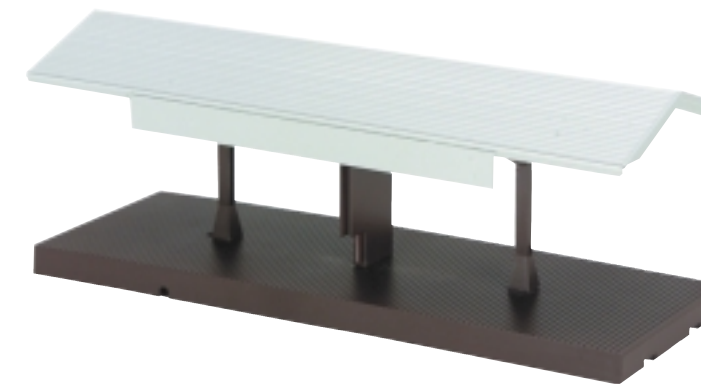


Train Departs!

Operating Freight Station **NEW**



Freight on Platform...



Freight Loaded on Train

Operating Passenger & Freight Station

Add to your RailTown™ railroad buildings with the new Operating Freight Platform and Operating Passenger Platform. When connected to a track activation device or an insulated section of track, the platform's freight and passengers disappear "into" their trains for the trip ahead. After the train pulls away from the station, the platforms are empty. The secret to the empty platforms is an ingenious design that hides the freight and passengers up under the roof of the platform, giving the illusion that they have boarded the train. The RailTown™ Operating Freight and Passenger Platforms are just two examples of the exciting and all-new operating accessories from MTH Electric Trains.

FEATURES INCLUDE

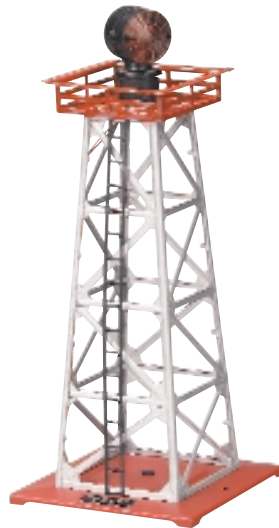
- Completely Pre-Assembled
- Fully Decorated
- Decorated Passenger Figures or Freight Loads
- Operating Platform Lights
- Silent Solenoid Driven Action
- Easy-to-Wire

Operating Passenger Station Platform
 Measures: 10" x 3 1/2" x 4"
 Item No. 30-9107
 \$49.95

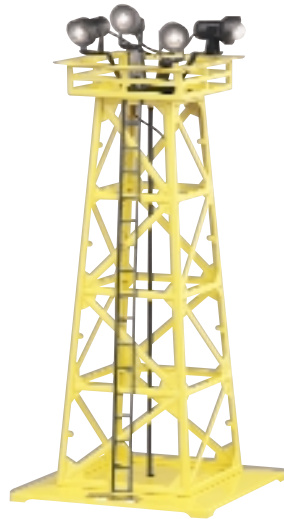
Operating Freight Platform
 Measures: 10" x 3 1/2" x 4"
 Item No. 30-91 11
 \$49.95



Radar Tower
Measures: 4 1/2" x 5" x 11 1/2"
Item No. 30-9032
\$39.95



Rotary Beacon
Measures: 5" x 5" x 12"
Item No. 30-9033
\$39.95



#395 Flood Tower
Measures: 5" x 5" x 11 1/4"
Item No. 30-9025
\$39.95



#445 Oil Derrick
Measures: 9 3/4" x 5 3/4" x 13 3/4"
Item No. 30-9027
\$79.95

- Features
- Authentic Pumping Operation With Bubbling Oil Pipe
 - Durable Stamped Steel & ABS Construction
 - Adjustable Derrick Hook
 - Four Brightly Decorated Oil Barrels



#153 Operating Block Signal
Measures: 9" Tall
Item No. 30-1076
\$29.95



#152 Operating Crossing Gate
(Red/Aluminum) Measures: 9" Tall
Item No. 30-11008
\$29.95



#154 Highway Flashing Signal
Measures: 8 3/4" Tall
Item No. 30-1074
\$29.95



#262 Crossing Gate/Signal
Measures: 11" Tall
Item No. 30-1073
\$39.95



Operating Banjo Signal
Measures: 8 3/4" Tall
Item No. 30-1093
\$29.95



#151 Operating Semaphore
(Green Base) Measures: 9" Tall
Item No. 30-1075
\$29.95

Miscellaneous Accessories

Great accessories have been a part of the RailKing® line since its inception, and MTH continues that tradition in the new Millennium. Model railroaders can choose from several exciting brand-new MTH operating accessories as well as some past RailKing favorites.

In addition to RailKing Operating Accessories, you'll find an incredible selection of die-cast metal lamp sets and trackside accessories in both Traditional and O Scale sizes. At a fraction of the cost of typical O Gauge accessories, RailKing accessories are the easiest way to bring traditional looks and color to your O Gauge layout.

Snap this lighted lock-on into any manufacturer's tubular O, O-27 or standard gauge track section. The built-in lamp will light whenever power is applied to the rails providing an easy, illuminating reference to which track sections are powered up.

Operate your RailKing accessories or any manufacturer's trackside accessories with this easy-to-use track activation device for tubular track. Simply slide the TAD under your tubular track section, dial in the weight setting of your consist, wire up the connectors to your accessory and you're ready for hands-free accessory operation!

For the operator on a budget, the Z-750™, packing 50-75 watts of power, is an excellent power choice for small and medium sized layouts or for anyone looking to power model railroading accessories. Featuring a U.L. approved design, the Z-750 utilizes a transformer and separate controller which contains bell, horn and direction buttons that can control any manufacturer's locomotives and sound systems including Proto-Sound® equipped steam, diesel and electric locomotives

Big Mo Trailer, Features, Durable ABS Intricately Detailed Body, Lit Interior, Fold-Up Sides.

For a more automated approach, try using our **RealTrax™ ITAD** with any manufacturer's tubular Track. The RealTrax™ ITAD can be easily modified for tubular track operation.



Protosmoke® Fluid
7oz. Bottle
Item No. 60-1045
\$9.95



Big Mo Trailer
Durable ABS Intricately Detailed Body, Lit Interior
Measures: 10 1/2" x 2 1/2" x 3 3/4"
Item No. 30-50004
\$24.95

NEW



ITAD (Insulated Track Activation Device)
Item No. 40-1028
\$19.95



Bag of Coal
Item No. 30-50005
\$3.49

Now Sold Separately



Z-500™ 50-Watt Transformer
Item No. 40-500
\$49.95



O Gauge Track Activation Device (TAD)
Item No. 10-1037
\$9.95



O Standard Gauge Lighted Lockon
Item No. 10-1021
\$3.99



Z-750™ 75-Watt Transformer
Item No. 40-750
\$79.95