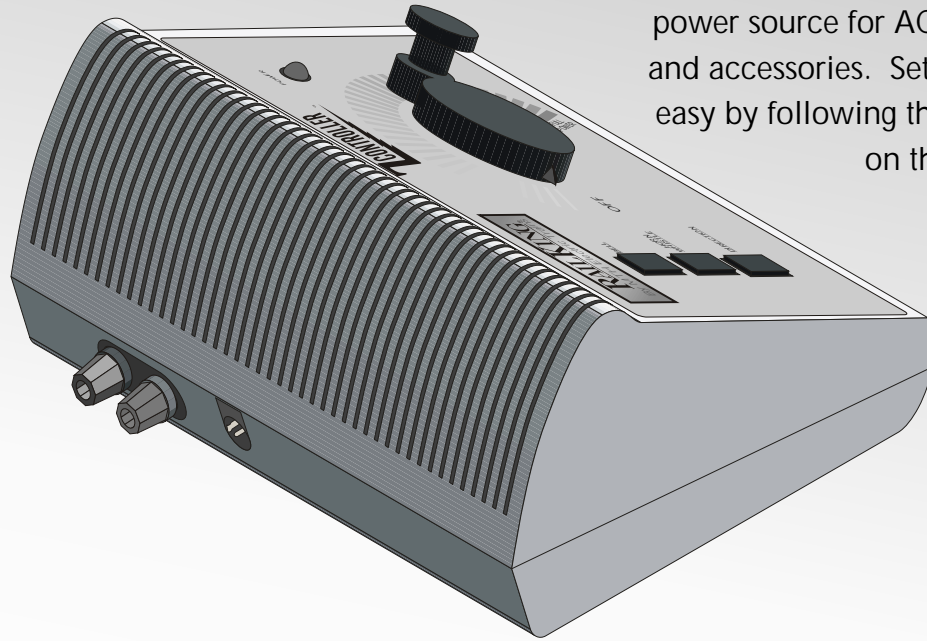




MTH

ELECTRIC TRAINS, INC.

7020 Columbia Gateway Drive
Columbia, MD 21046



The Z-Controller provides the model railroad enthusiast with an easy to use, safe power source for AC-powered trains and accessories. Set up is quick and easy by following the setup diagram on the opposite side.

Z - C O N T R O L L E R™

CAUTION - ELECTRICALLY OPERATED PRODUCT:

Not recommended for children under ten years of age without adult supervision. As with all electric products, precautions should be observed during handling and use to reduce the risk of electric shock.

WARNING: When using electrical products, basic safety precautions should be followed including the following:

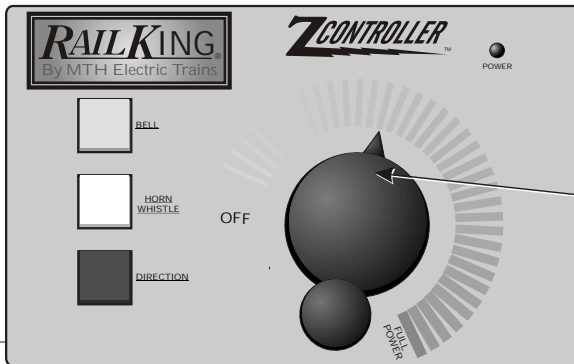
- Read this manual thoroughly before using this device.
- This device is not recommended for children under ten years of age without adult supervision.
- MTH recommends parents examine the toy transformer and controller periodically for conditions that may result in the risk of fire, electric shock, or injury to persons, such as damage to the primary or output cord, plug blades, housing or other parts, and that, in an event such conditions exist, the transformer should not be used until properly repaired.
- This Z-Controller is intended to be used indoors. Do not use if water is present. Serious or fatal injury may result.
- Do not operate the Z-Controller with damaged cord, plug or case.
- To avoid the risk of electrical shock, do not disassemble the unit. There are no user serviceable parts inside. If damaged call MTH service for instructions.
- Do not use this Z-Controller for other than its intended purpose. This unit was designed to operate with Z-1000 Hobby Transformer Power Unit. See the Z-1000 Hobby Transformer Power Unit for more operating and safety information.

THE Z-CONTROLLER UNIT FEATURES



FUNCTIONS:

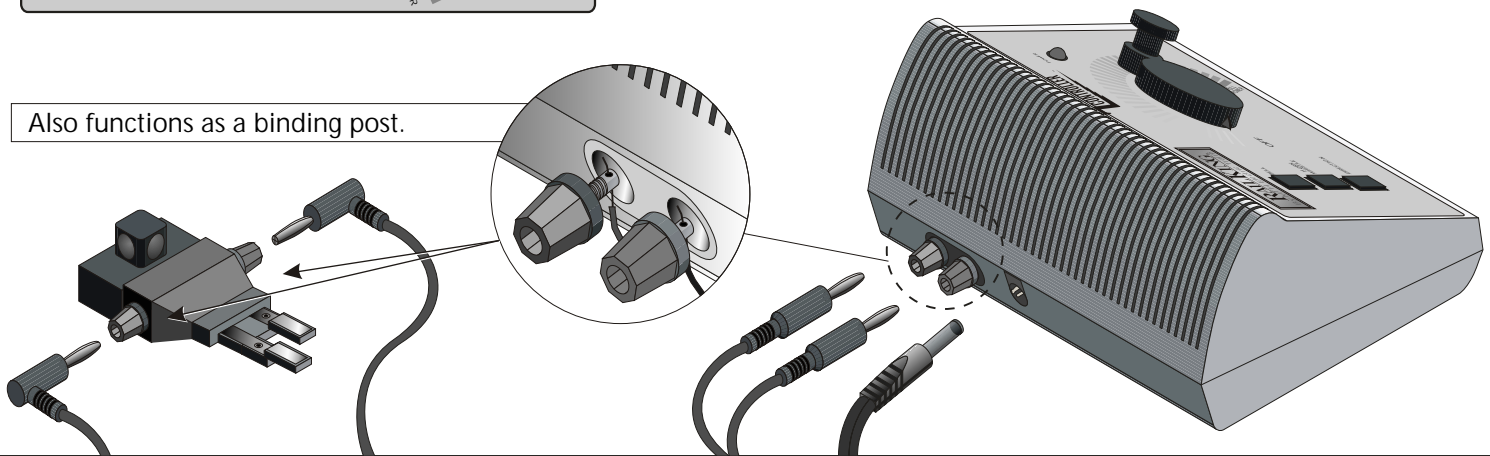
Bell: Press to activate, press again to deactivate. Horn/Whistle: Press to activate. Direction: Press to stop motion of train and press again to change direction



USING THE Z-CONTROLLER WITH PROTOSOUND® EQUIPPED LOCOMOTIVES

Although the Z-Controller was designed to provide the operator with plenty of power. MTH does not recommend leaving the engine in neutral with the power on and the throttle above the setting shown for an extended period of time. If you are recharging the battery found in ProtoSound® equipped engines while in the neutral position, MTH recommends the throttle be positioned as shown for optimum charging power.

Also functions as a binding post.



SERVICE & WARRANTY INFORMATION

How to Get Service Under the Terms of the Limited One-Year Warranty

For warranty repair, do not return your product to the place of purchase. Instead, follow the instructions below to obtain warranty service as our dealer network is not prepared to service the product under the terms of this warranty.

- First, write, call, e-mail, or FAX M.T.H. Electric Trains®, 7020 Columbia Gateway Drive, Columbia, MD 21046 (Tel.: 410.381.2580; e-mail: service@mth-railking.com; FAX: 410.381.6122), stating when it was purchased and what seems to be the problem. You will be given a return authorization number to assure that your merchandise will be properly handled upon its receipt.
- **CAUTION: Make sure the product in its original factory packaging including its foam and plastic wrapping material so as to prevent damage to the merchandise. The shipmant must be prepaid and we recommend that it be insured.** A cover letter including your name, address, daytime telephone number, e-mail address (if available), Return Authorization Number, a copy of your sales receipt, and a full description of the problem must be included to facilitate the repairs. Please include the description regardless of whether you discussed the problem with one of our service technicians when contacting M.T.H.® for your return Authorization Number
- Please make sure you have followed the instructions carefully before returning any merchandise for service.

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 web site at www.mth-railking.com or call 1.888.640.3700 to identify an Authorized M.T.H. Train Merchant near you.

M.T.H. 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 M.T.H. Electric Trains ® 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 a **copy of 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 ®
7020 Columbia Gateway Drive
Columbia, MD 21046-1532

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www.mth-railking.com

M.T.H. Trademark: M.T.H. Electric Trains®, M.T.H.®, and RailKing®.



RAIL KING[®]

By M.T.H. Electric Trains

MTH

ELECTRIC TRAINS

7020 Columbia Gateway Drive
Columbia, MD 21046-1532

CAUTION - ELECTRICALLY OPERATED PRODUCT:

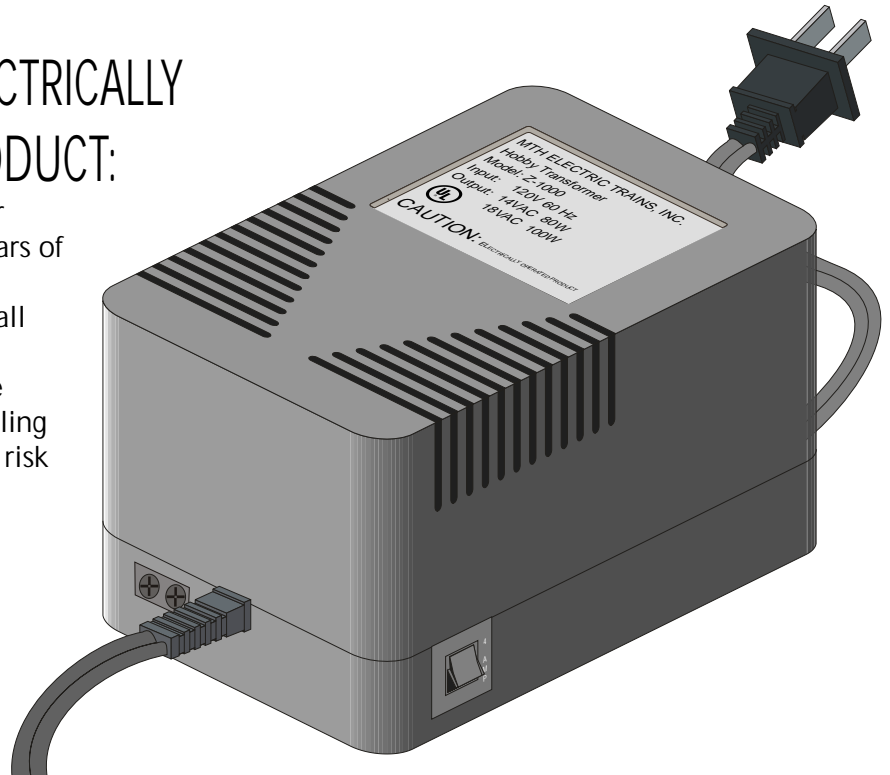
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Transformer Ratings:

Input: 120V 60 Hz

Output: 14VAC 80W

18VAC 100W



Z-1000TM

HOBBY TRANSFORMER POWER UNIT

WARNING: When using electrical products, basic safety precautions should be followed including the following:

- Read this manual thoroughly before using this device.
- This device is not recommended for children under ten years of age without adult supervision.
- M.T.H. recommends parents examine the toy transformer periodically for conditions that may result in the risk of fire, electric shock, or injury to persons, such as damage to the primary or output cord, plug blades, housing, screw terminals or other parts, and that, in an event such conditions exist, the transformer should not be used until properly repaired.
- This Z-1000 Hobby Transformer Power Unit is intended to be used indoors. Do not use if water is present. Serious or fatal injury may result.
- Do not use this Z-1000 Hobby Transformer Power Unit for other than its intended purpose. This unit was designed to operate with Z-Controller Control Unit.
- This Z-1000 Hobby Transformer Power Unit was designed to operate on 120 volt, 60 Hertz power. Do not connect to any other source of power.
- Do not operate the Z-1000 Hobby Transformer Power Unit with damaged cord, plug or case.
- To avoid the risk of electrical shock, do not disassemble the unit. There are no user serviceable parts inside. If damaged call MTH service for instructions.
- **CAUTION:** Do not operate your layout unattended. Obstructed accessories or stalled trains may overheat resulting in damage to your layout.
- If the circuit breaker trips, unplug the power cord from power source (electrical wall outlet), check your layout track and accessories for any short circuits, reset the circuit breaker, plug the power cord into the power source (electrical wall outlet), and resume operation.
- Unplug the Z-1000 Hobby Transformer Power Unit from power source (electrical wall outlet) when not in use.

CONNECTING TO THE CONTROL UNIT

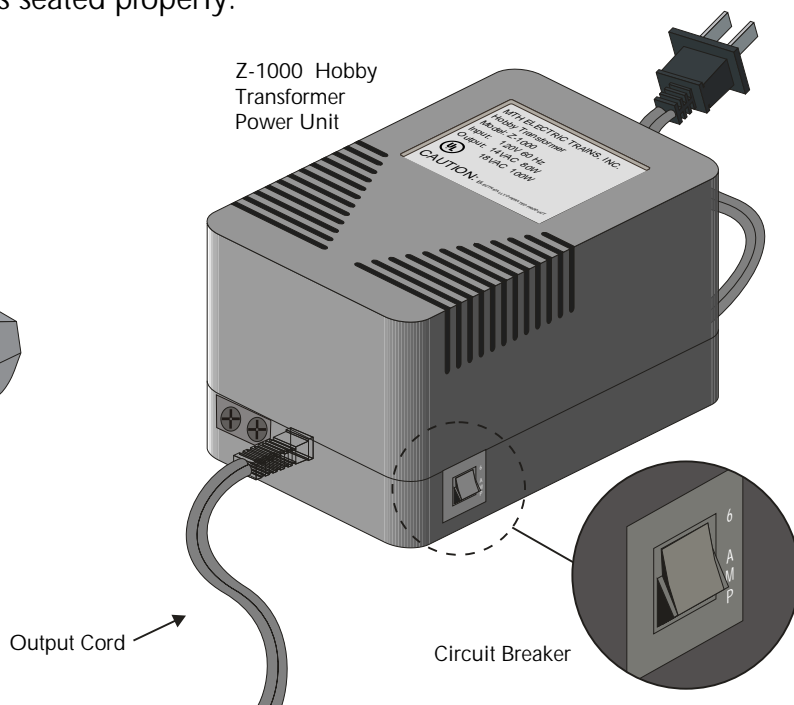


Connect the female plug from the Z-1000 Hobby Transformer Power Unit to the corresponding male plug as shown below. Make sure that the female plug is seated properly.

Z-Controller Control Unit



Z-1000 Hobby Transformer Power Unit



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www.mth-railking.com

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