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4/03



Billboard artwork may vary.

Lionel Animated Billboard Owner's Manual

Congratulations!

Congratulations on your purchase of the Lionel Animated Billboard! This accessory alternates between two classic advertisements.

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Wiring your Animated Billboard

Power your Animated Billboard with a separate accessory power supply or through the track with a Lionel Lockon (available separately, 6-62900). Refer to Figure 1 as you connect the accessory.

Caution! To make the proper connections, the ends of the wires must be stripped back 1/4" to 3/8". Use a pair of wire strippers or a sharp knife to strip the wires. Only an adult should perform this task! Always use care when stripping wires.

- 1. Separate the two wires at the back of the billboard.**
- 2. Connect one of the Billboard wires directly to a terminal on the power supply or Lionel Lockon.**

Lockon users: To make the wire connections, press down on the top of the terminal clip so that a metal loop is formed. Slide the bare end of the wire into the exposed loop. Release pressure on the terminal clip, allowing the crimped metal to pinch the end of the wire in the metal loop. Give a little tug on the wire to check if the hold is secure.

- 3. Connect the other Billboard wire to the remaining power supply or Lockon terminal.**

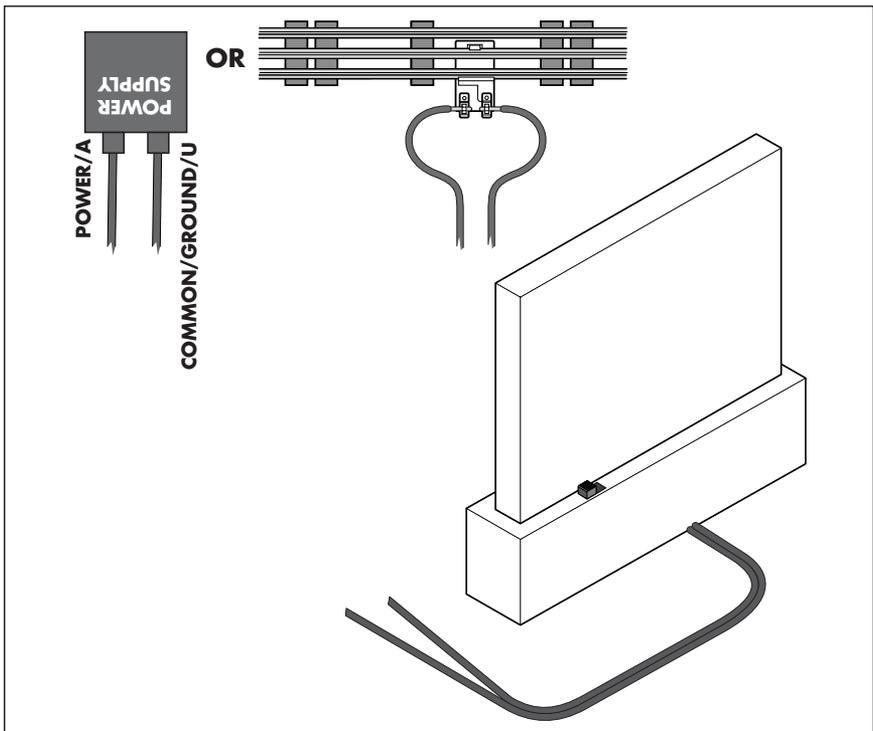


Figure 1. Conventional power connections

Wiring the accessory with the separate switch

If you are placing this accessory at a location on your layout that is difficult to reach, we recommend that you connect the separate switch that is included with this accessory. Simply connect one of the Billboard wires to a switch terminal and connect the other switch terminal to a power supply terminal using an extra wire. Connect the remaining accessory wire directly to the other power supply terminal. Refer to Figure 2. Be sure that the switch on the back of the Billboard is in the ON position.

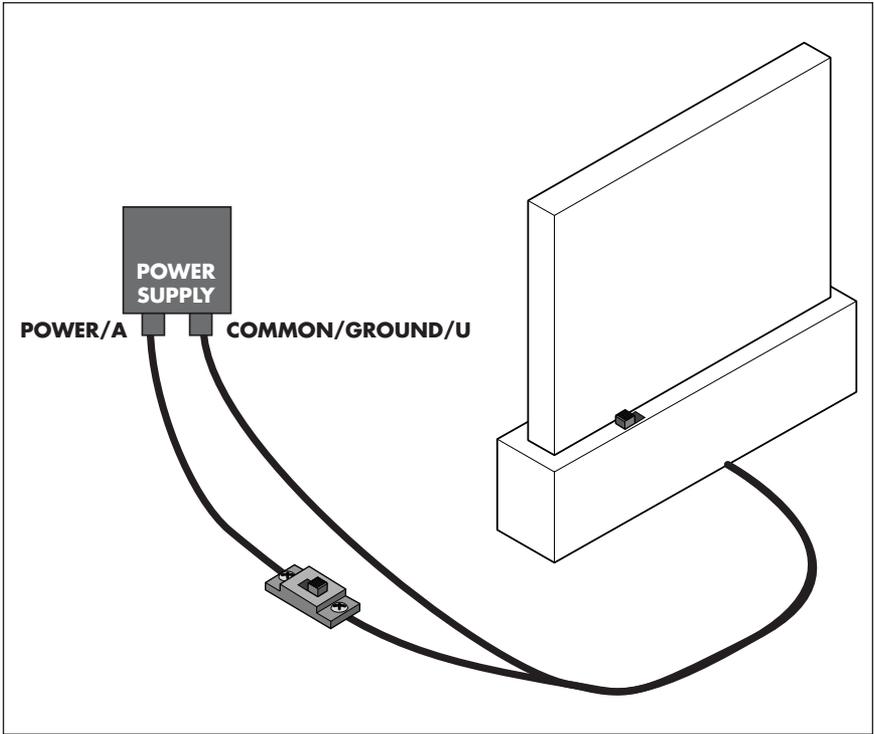


Figure 2. Power and switch connections

Installing your Animated Billboard

Choose a visible location on your layout so you can show off your Animated Billboard! You may use the two tabs at the base of the accessory to secure your Billboard to your layout with two screws (not included).

Operating your Animated Billboard

Switch the signs with the press of a button.

- 1. Power up your Billboard.**
- 2. Locate the switch at the back of the Billboard and slide it to the ON position. If you have connected the separate switch, slide the switch to the ON position as well.**
- 3. Use your transformer to adjust the voltage. We recommend 10-15 volts (AC).** If the power is set too high, the sign will change forcefully, jarring the Billboard from side to side. If the power is set too low, the sign will not change completely.

With the switch in the ON position and the accessory powered up, the Billboard will automatically alternate between the two advertisements at regular intervals.

Installing your Animated Billboard with TrainMaster Command Control

For operation in the TrainMaster Command Control environment, you may choose to wire your Billboard with an SC-2 Switch and Accessory Controller (available separately, 6-22980) or the Accessory Switch Controller (available separately, 6-14182). Refer to these manuals for additional information.

SC-2 wiring and operation

Three wires are needed to connect your Animated Billboard to the SC-2 and a separate accessory transformer. Refer to Figure 3.

1. **Attach one wire to the Common/Ground/U terminal of the transformer and connect it to the accessory COMM (common) position on the SC-2.**
2. **Attach one of the Billboard wires to the accessory toggle ON/OFF position on the SC-2.**
3. **Finally, connect the remaining Billboard wire to the Power/A terminal on the transformer.**

Use the AUX1 button on your CAB-1 Remote Controller to switch the advertisements on display.

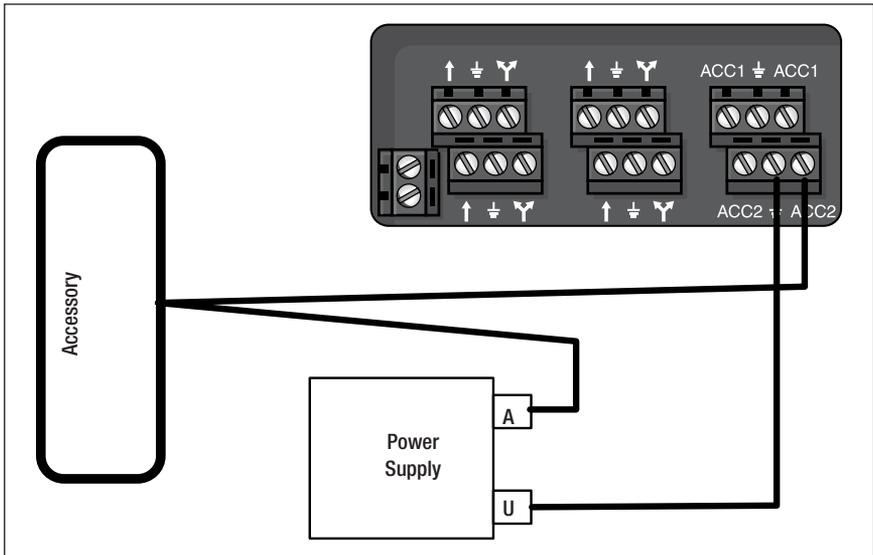


Figure 3. SC-2 connections

Installing your Animated Billboard with TrainMaster Command Control (continued)

Accessory Switch Controller wiring and operation

Three wires are needed to connect your Animated Billboard to the Accessory Switch Controller (ASC) and a separate accessory transformer. Refer to Figure 4.

1. **Attach one wire to the Power/A terminal of the transformer and connect it to the COMM terminal on the ASC.**
2. **Attach one of the Billboard wires to a numbered accessory terminal on the ASC.**
3. **Finally, connect the remaining Billboard wire to the Common/Ground/U terminal on the transformer.**

Use the AUX2 button on your CAB-1 Remote Controller to switch the advertisements on display.

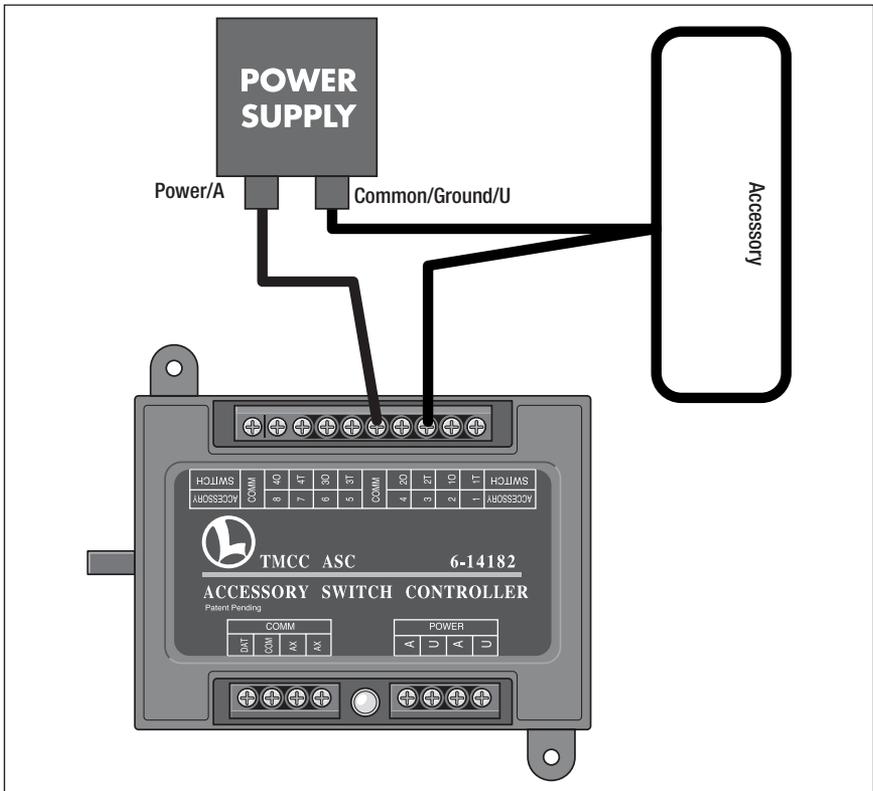


Figure 4. ASC connections

Limited Warranty/Lionel Service

This Lionel product, including all mechanical and electrical components, moving parts, motors and structural components, except for light bulbs, is warranted to the original consumer-purchaser, for **one year** against original defects in materials or workmanship when purchased through an authorized Lionel merchant.

This warranty does NOT cover normal wear and tear, light bulbs, defects appearing in the course of commercial use, or damage resulting from abuse or misuse of the product by the purchaser. Transfer of this product by the original consumer-purchaser to another person voids this warranty. Modification of this product voids this warranty.

Any warranted product which is defective in original materials or workmanship and is delivered by the original consumer-purchaser to Lionel L.L.C. or an authorized Lionel L.L.C. Service Center, together with proof of original purchase will, at the option of Lionel L.L.C., be repaired or replaced, without charge for parts or labor. In the event the defective product cannot be repaired, and a replacement is not available, a refund of the original purchase price will be granted. Any products on which warranty service is sought must be sent freight or postage prepaid, as transportation and shipping charges are not covered by the warranty.

In no event shall Lionel L.L.C. be liable for incidental or consequential damages.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

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

Instructions for Obtaining Service

If service for this Lionel L.L.C. product is required, bring the item, along with your dated sales receipt and completed warranty information

to the nearest Authorized Lionel Service Center. Your nearest Lionel Service Center can be found by calling 1-800-4-Lionel, or by accessing our Website at www.lionel.com.

If you prefer to send your product back to Lionel L.L.C. for repair in Michigan, you must first call 586-949-4100 or FAX 586-949-5429, or write to Customer Service, P.O. Box 748, New Baltimore, MI 48047-0748, stating what the item is, when it was purchased and what seems to be the problem. You will be sent a return authorization letter and label to ensure your merchandise will be properly handled upon receipt.

Once you have received your return authorization and label, make sure that the item is packed to prevent damage during shipping and handling. We suggest that you use the product's original packaging. This shipment must be prepaid and we recommend that it be insured.

Please make sure you have followed all of the above instructions carefully before returning any merchandise for service. You may choose to have your product repaired by one of our Authorized Lionel Service Centers after its warranty has expired. A reasonable service fee will be charged.

Warranty Information

Please complete the information below and keep it, along with your dated sales receipt. You must present this and your dated sales receipt when requesting warranty service.

Name _____

Address _____

Place of Purchase _____

Date of Purchase _____

Product Number _____

Product Description _____

