Lionel Plug-n-Play Power Block Lock-on Owner’s Manual

Featuring
Congratulations!

Congratulations on your purchase of this Plug-n-Play lock-on! This piece of track allows you to connect three Plug-n-Play equipped accessories to your layout. In addition, this lock-on also has a barrel jack for an optional auxiliary power supply (item 6-81603, 4A 72 watt 18VDC transformer; or the wall pack that comes with a Ready-to-Run LionChief set). Use this Lock-on to replace any 10" straight track on your layout, plug in your accessories and/or your power supply, and move 'em on out!

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Connecting your lock-on to FasTrack

FasTrack track and Plug-n-Play Lock-on sections join together easily. With interlocking roadbed sections and large rail tabs, the track fits together securely so you always have good electrical contact. Take a look at Figure 1 to see how to join the track sections.

1. Line up your lock-on and a section of track.
2. Insert the rail tabs into the openings at the ends of the corresponding rails.
3. Press the sections together until the interlocking roadbed snaps into place.

The LED indicator

Your Plug-n-Play lock-on includes a green LED to indicate that power is being supplied to the three accessory terminals. When power is applied, either from the track or from the auxiliary transformer, the LED will turn ON. When power is removed or not present, the LED will turn OFF.

This LED is designed to last the life of your lock-on. Should the LED need to be replaced, contact Lionel Service.
**Plug-n-Play Lock-on basics**

Connecting your Plug-n-Play accessory

Your Plug-n-Play Power Block lock-on allows you to easily connect your Plug-n-Play accessories. Each Plug-n-Play accessory has a cable attached to its base that can plug into any of the lock-on’s 3-pin female connectors. In addition, your lock-on is equipped with a barrel jack for an optional auxiliary power supply (item 6-81603, 4A 72 watt 18VDC transformer; or the wall pack that comes with a Ready-to-Run LionChief set). See page 5.

This piece of FastTrack only uses 2 of the 3 terminals in the attached lock-on; red and black, connected under the track. The red wire connects to the center rail to supply power to the accessory. The black wire connects to the outside rail to supply ground power to the accessory. The white wire is not used with this item.

**Note!** This lock-on will **ONLY** power Plug-n-Play accessories. It also will NOT work with animated accessories activated by the presence of a train. (To obtain a lock-on designed to trigger an animated accessory based on the presence of a train you need the 6-81317 Accessory Activator Lock On.) Do NOT attempt to power traditional accessories with this product as it will cause your accessory to overheat and/or damage the lock-on. Lionel’s Limited Warranty does not cover this type of damage.

**Note!** Do **NOT** forcefully connect your accessory’s 3-pin male connector into the 3-pin female connector on the lock-on. Doing so will damage the pins on the accessory and/or the lock-on. Make sure that you are also inserting the connectors with the proper orientation. Lionel’s Limited Warranty does NOT cover this type of damage to your products.

Figure 3. Connecting Plug-n-Play accessories and power supply
Your power block lock-on is equipped with a switch that allows you to select between track power or an optional auxiliary power supply. If you want to supply power to your accessories through track power, flip the switch to the left towards the track. If you wish to supply power using an auxiliary power supply, flip the switch to the right (away from the track towards the barrel jack). See figure 4.

This lock-on also has a green LED power indicator. When power is applied to either the track or from the auxiliary power transformer, the LED will turn ON. When the switch is flipped to the left (towards the track), power will be supplied through the track and the LED will be ON. When the switch is flipped to the right (towards the barrel jack) power will be supplied through the auxiliary power supply (either using item 6-81603, 4A 72watt 18VDC transformer; or the wall pack that is included with a Ready-to-Run LionChief set). When no power is being supplied, either from the track or the auxiliary power supply, the LED will turn OFF.

**Note!** Please be aware that adding additional accessories will take power away from the track, thus resulting in less available power for running trains. If your power supply shorts out (turns off) when using this cable it is most likely caused by overdrawing the available power the transformer can provide. Should this occur you will be required to increase the size of the transformer powering the track.

Figure 4. Alternating power sources
Wiring options

Connecting a remote control box

Available separately is a remote control box (item 6-82203) that allows you to have more control over your accessory, with ON/OFF and Momentary abilities. Using any 3-pin Plug-n-Play accessory, connect the remote control box to your lock-on. See figure 5 for wiring.

- Sliding the knob on the remote control box up turns the accessory ON.
- Sliding the knob on the remote control box down turns the accessory OFF.
- Pushing the knob on the remote control box down (in either the on or off position) applies power to activate the accessory’s momentary feature (if the accessory has a momentary feature; refer to the accessory’s manual for details).

Note! Do NOT forcefully connect your accessory’s 3-pin male connector into the 3-pin female connector on the lock-on. Doing so will damage the pins on the accessory and/or the lock-on. Make sure that you are also inserting the connectors with the proper orientation. Lionel’s Limited Warranty does NOT cover this type of damage to your products.

Figure 5. Connecting remote control boxes
**Wiring options**

**Using a multi-port cable**

Available for separate purchase is a multi-port 36" Power Tap cable (item 6-82046) that allows you to connect up to 9 Plug-n-Play accessories to your power block lock-on (3 accessories for each cable). See figure 6.

**Note!** Using this Power Tap cable will allow you to operate up to 3 individual accessories from this single lock on. Please be aware that adding additional accessories will take power away from the track, thus resulting in less available power for running trains. If your power supply shorts out (turns off) when using this cable it most likely caused by over drawing the available power the transformer can provide. Should this occur you will be required to increase the size of the transformer powering the track.

Figure 6. Connecting a multi-port cable

**Note!** Do **NOT** forcefully connect your accessory’s 3-pin male connector into the 3-pin female connector on the lock-on. Doing so will damage the pins on the accessory and/or the lock-on. Make sure that you are also inserting the connectors with the proper orientation. Lionel’s Limited Warranty does **NOT** cover this type of damage to your products.
Lionel Limited Warranty Policy & Service

This Lionel product, including all mechanical and electrical components, moving parts, motors and structural components, with the exception of LIGHT BULBS, LED’s & TRACTION TIRES are warranted to the original owner-purchaser for a period of one year from the original date of purchase against original defects in materials or workmanship when purchased through a Lionel Authorized Retailer*.

This warranty does NOT cover the following:
• Normal wear and tear
• Light bulbs or LED’s
• Defects appearing in the course of commercial use
• Damage resulting from abuse/misuse of the product

Transfer of this product by the original owner-purchaser to another person voids this warranty in its entirety. Modification of this product in any way, visually, mechanically or electronically, voids the warranty in its entirety.

Any warranted product which is defective in original materials or workmanship and is delivered by the original owner-purchaser (this warranty is non-transferable) to Lionel LLC or any Lionel Authorized Service Station MUST be accompanied by the original receipt for purchase (or copy) from an Authorized Lionel Retailer*, will at the discretion of Lionel LLC, be repaired or replaced, without charge for parts or labor. In the event the defective product cannot be repaired, and a suitable replacement is not available, Lionel will offer to replace the product with a comparable model (determined by Lionel LLC), if available. In the event a comparable model is not available the customer will be refunded the original purchase price (requires proof of purchase from the Authorized Lionel Retailer* it was originally purchased). Any products on which warranty service is sought must be sent freight or postage prepaid (Lionel will refuse any package when postage is due). Transportation and shipping charges are not covered as part of this warranty.

NOTE: Products that require service that do not have a receipt from an LIONEL AUTHORIZED RETAILER* will be required to pay for all parts required to repair the product (labor will not incur a charge) providing the product is not older than 3 years from date of manufacture and is within 1 year from date of purchase. A copy of the original sales receipt is required.

In no event shall Lionel LLC be held 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 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 LLC product is required; bring the item, along with your DATED sales receipt and completed warranty information (at the bottom of this page) to the nearest Lionel Authorized Service Station. Your nearest Lionel Service Station can be found by calling 1-800-4-LIONEL or by accessing the website at www.lionel.com.

If you prefer to send your Lionel product directly to Lionel, for repair you must FIRST call 586-949-4100 extension 2 or write to Lionel Customer Service, 6000 Victory Lane, Concord, NC 28027. Please have the 6-digit Lionel product number, the date of original purchase, the dealer where the item was purchased and what seems to be the problem. You will receive a return authorization (RA) number to ensure your merchandise will be properly tracked and handled upon receipt at Lionel LLC.

Once you have your Return Authorization (RA) number, make sure the item is packed in its original Styrofoam inner container which is placed inside the original outer display box (this will help prevent damage during shipping and handling). This shipment MUST be prepaid and we recommend that it be insured with the carrier of your choice.

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 Lionel LLC’s Authorized Service Stations after its warranty has expired. A reasonable service fee should be expected once the product warranty has expired.

Warranty Information

Please complete the information below and keep it, along with your DATED ORIGINAL SALES RECEIPT. You MUST present this form AND your DATED SALES RECEIPT when requesting warranty service.

*A complete listing of Lionel Authorized retailers can be found by calling 1-800-4-LIONEL or by visiting our website at www.lionel.com.

Products that are more than 3 years old, from date of manufacture, are not applicable for warranty coverage, even if they have never been sold prior to this date. (Under no circumstance shall any components or labor be provided free of charge.)

Name ____________________________________________

Address __________________________________________

Place of Purchase __________________________________

Date of Purchase ________________________________

Product Number _________________________________

Product Description ________________________________________________________________

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