

DCC Onboard Adapter

8150701

Version 1.0 – 03/09

WARNING:

The on-board adapter does not contain a voltage regulator! Please, before operating, adjust the output voltage of your decoder to 5 Volts if the bulbs and smoke generators of your loco require 5Volts. The 5Volt setting for Massoth eMotion-decoders is:

- CV50 = 5
- CV53 = 5 (or 69 resp. 133 depending on the application)

1. Summary

The on-board adapter simplifies the exchange from an LGB decoder to a Massoth eMOTION decoder. All original connectors may be utilized without any change. This enables you to switch back to the original state easily.

1.1 Scope of supply

- On-board adapter
- Manual

Please contact your dealer or Massoth Electronics if any of the above components are damaged or missing.

2 Important information for the operation

- Install the on-board adapter according to the wiring diagrams. A connection error or short circuit may lead to serious damage to the board.
- The on-board adapter may only be used for the functions described in the manual. Any other use may cause damage to the adapter.
- Make sure to connect all cables to the appropriate connectors. A mix-up of cables may lead to serious damage to the adapter or the decoder! **The on-board adapter is meant to substitute the large LGB On-Board Decoder. The adapter has the same size and the same connectors as the LGB On-Board Decoder. Do not use this adapter to substitute the small version of the LGB On-Board Decoder.**
- This module is not a toy! Keep out of reach of children under the age of 14!
- Warranty is void in case of improper installation.
- The manufacturer cannot be responsible for damages caused by improper handling.

2.1 Hook-up

Connect the cables of the original LGB On-Board Decoder to the respective connectors of the adapter. Please note that all connectors are placed in the same position as on the decoder. Proceed with one cable at a time to prevent a cable mix-up. A sound module which regularly has a large red connector may not be connected to this adapter!

The hook-up of the Massoth eMOTION decoder is done with the 10-lead interface cable (please observe the wiring schematic in the decoder's manual).

Make sure to connect a pulsed smoke generator in the correct polarity: the red cable must be connected to the pin marked „+“!

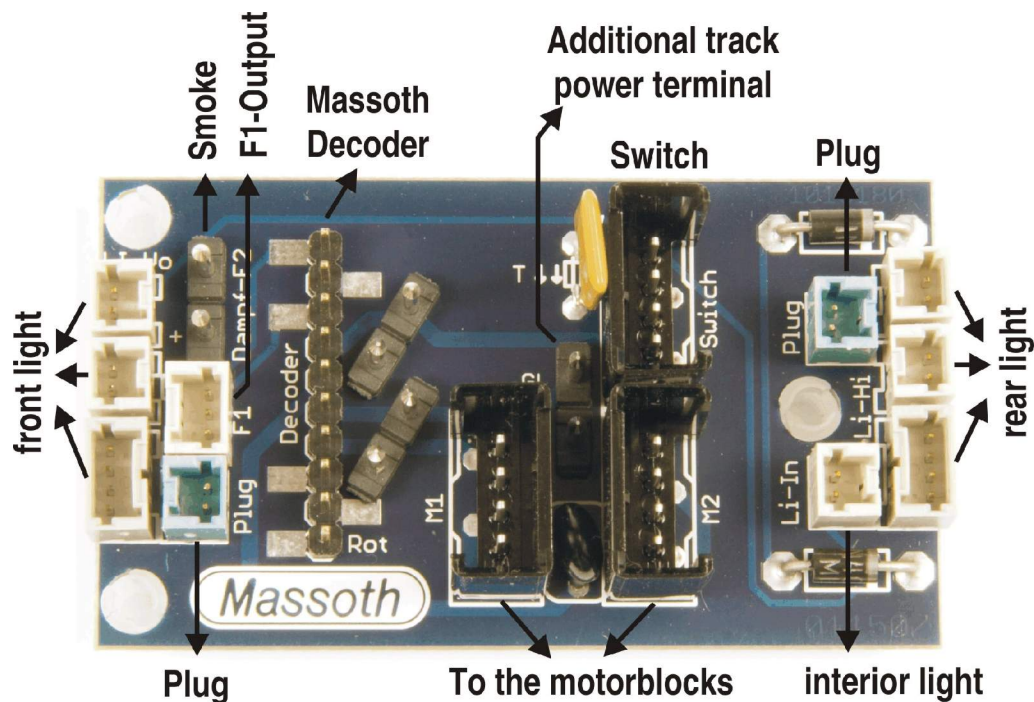


Illustration 1: Connectors of the on-board adapter

2.2 Installation

Remove the LGB on-board decoder and install the on-board adapter in the same place where the decoder was with the same 3 screws.

Recommended decoders:

Massoth eMotion XL , XXL or XLS

2.3 Functions of the switch

After the installation the functions of the switch are changed as the switch does not control the Massoth eMOTION decoder.

0 = Locomotive OFF

1 = Decoder ON with all functions

2 = Power plug ON (additionally)

3 = Additional track power plug in the middle of the adapter ON (2 pins)

3 Technical specifications

- Operating voltage : 24V (DC or Digital)
- max. Amperage : 3A (depending on the decoder used)

3.1 General and safety details

This is not a toy. Not suitable for children under the age of 14 years. This product may have sharp corners and edges and may be harmful if swallowed. Handling the item may cause restraint injuries. If not trained properly do not handle this product; have a professional install this item. Operate this product only with products posted in this manual. Technical specifications and measurements are subject to change without prior notice.

3.2 Warranty

Massoth Electronics warrants this product for 1 year from the date of purchase. This product is warranted against defects in materials and workmanship. Peripheral component damage is not covered by this warranty. Normal wear and tear, consumer modifications as well as improper use or installation are not covered.

3.3 Warranty claims

Valid warranty claims will be serviced without charge within the warranty period. To initiate a warranty claim please contact your dealer or Massoth Electronics for an RMA (return merchandise authorization). Massoth Electronics cannot be responsible for return shipping charges to our repair facility. Please include your proof of purchase with the returned goods.



This Decoder conforms to the CE Standards

RoHS

This Decoder is manufactured according to the latest EU Standards for lead free manufacturing conforming to RoHS Standard.



Please dispose of according to your State regulations.



Do not dispose of in open fire.

4 SUPPORT

Please visit www.massoth.com. Here, the latest software and manuals are provided. For further support and detailed technical questions you may contact your dealer or the manufacturer at (email) sales@massoth.com.

Hotline hours USA: 9:00 a.m. to 4:00 p.m. EST Mo thru Fr

Phone: 770-886-6670

FAX 770 – 889 – 6837

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