MARCo - Transmitter 68 320

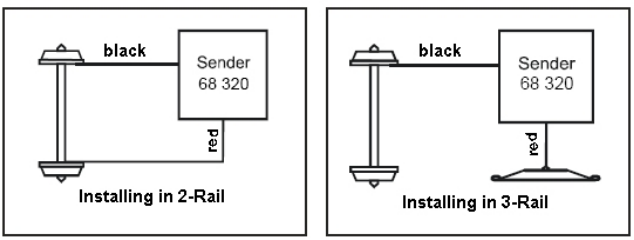
RailCom® Transmitter for DCC Locomotives and Wagons

Description

The MARCo-Transmitter is a small RailCom transmitter for retrofitting in DCC Locomotives without a RailCom Decoder and for Wagons without a RailCom Decoder (e.g. control cab coach). It sends the programmed address via the power pickups of the vehicle to the track of a DCC RailCom System. The MARCo-Transmitter is used, for example, for train identification in the automatic control system, MARCo.

Installing and Connecting the MARCo-Transmitter 68 320

Fix the MARCo-Transmitter to your digitalized locomotive with the enclosed adhesive pad. The adhesive pad is attached to the underside of the MARCo-Transmitter. Connect the red wire to the right power pick up and the black wire to left power pickup.



Programming and Reading

The MARCo-Transmitter 68 320 can be programmed with the Intellibox on the programming track in CV Programming byte and bit mode, or with main line programming (POM) (see also “Programming of DCC Decoders” in the Intellibox manual).

The MARCo-Transmitter saves its information in exactly the same way as DCC Locomotive decoders in CVs according to the following Table:

CVs Loco	CVs MARCo	Description	Value Range	Factory default
1	116	Short Address	0-127	3
17	117	Long Address High Byte	129-231	199
18	118	Long Address Low Byte	0-255	208
29	129	**DCC Configuration** Value Bit 3=0 RailCom off 0 Bit 3=1 RailCom on 8* Bit 5=0 Short Address (CV1) 0* Bit 5=1 Long Address (CV17/18) 32	0-40	8
7	7	Software Version	-	-
8	8	Manufacturer	-	85
-	115	Train Category	1-4	1

If the MARCo-Transmitter is installed, it is programmed together with the loco in the corresponding CVs. Care must be taken that the locomotive decoder is programmable in the same mode. It can of course be programmed individually or also separately from the locomotive decoders corresponding CVs, “CVs MARCo”.

Attention: *There are some locomotive decoders that use the same CVs as the "CVs MARCo" with a totally different meaning. In this instance the MARCo-Transmitter can only be programmed separately from the locomotive decoder.*

The CVs in the MARCo-Transmitters can also be read with the Intellibox (see Intellibox Manual). If it is installed in a locomotive with a decoder it is always read together with the decoder. This can lead to error reports especially if the locomotive decoder and the MARCo-Transmitter have differing values in the CVs. In this case one of the power leads from the locomotive decoder must be disconnected from the power pickup i.e. disconnect the interface connector. Reading the values from a MARCo-Transmitter that is installed in a wagon is also possible.

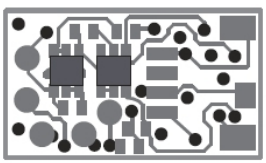
NOTE

• To program the decoder the vehicle must always be on the Intellibox programming track on its own. If multiple vehicles are on the programming track then their locomotive decoders and MARCo-Transmitters are all programmed identically!

• To program long addresses use the corresponding menu in your Intellibox. Since this menu is designed for programming locomotive decoders, the MARCo-Transmitter is always programmed together with the locomotive decoder if it is installed in a DCC locomotive. Separate programming is then not possible.

Connecting a LISSY Mini-Transmitter and a MARCo-Transmitter

If on a layout with mixed LISSY/MARCo operation a locomotive is to also send its address out via LISSY, a LISSY mini-transmitter (68400) can be connected to the MARCo-Transmitter. This will then send the address programmed in the MARCo-Transmitter and train category in CV 115 (specially for the LISSY-System).



Technical Data

Addresses:	1-9999 (long DCC Address)
Dimensions:	13 x 7.5 x 2.4

Uhlenbrock digital

Our contact Details:

We are available if you have any questions!

Internet: FAQs can be found at www.uhlenbrock.de

E-Mail: service@uhlenbrock.de

Hotline: +49 (0)2045 8583-27, Wed from 16:00 to 18:00 and Mon-Tue-Thu-Fri from 14:00 to 16:00

Service: In the event of a defect or failure send the unit together with the invoice and a short description of the fault back to us for repair.

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Made in Germany

Electronic devices do not belong in household rubbish

Part No. 68 320