

Radio Master LN & LN + DCC

The Basis of the Radio systems is the Radio Master. It is the Radio centre which co-ordinates and executes all radio sequences.

The Radio Master can control up to 20 DAISY II Radio Hand Controller with a range of approx. 100 metres (open field). Each layout can only be controlled by a single Radio Master.

If a second Radio Master is located in the reception radius of the Radio Master (e.g. a second layout in an exhibition), then both devices must be set to different channels (see LNCV Table). The operation of further Radio Masters within the reception radius is not possible.

The Radio Master operates the 868 MHz band and is suitable for installation with all Intelliboxes, as well as the KM-1 System Control 7, Fleischmann Twin-Center and Piko Power Box.

Radio Master LN (66 400)

The Radio Master LN serves as a radio communications device for the DAISY II Radio hand-controller. It is the interface between the wireless hand-controller and the LocoNet of the Digital center.

The Radio Master LN is upgradable to the Radio Master LN + DCC version (66 410).

Radio Master LN + DCC (66 410)

The Radio Master LN + DCC serves as the radio communications device for the DAISY II Radio hand-controller and for direct Data transfer of DCC commands to an appropriate radio receiver (GT-Xcontrol), in locomotives and turnouts. Due to the size of GT-Xcontrol components the System is most suitable for the larger scales (0 - II_m). Radio communications with the receiver modules reach to approx. 50 metres.

The use of a DAISY II Radio Hand Controller does make operating the layout easier, but is not essential for transferring the DCC commands for the receivers.

Connection

LocoNet Socket

The Radio Master is connected to the center's LocoNet connection with the enclosed LocoNet cable. The Radio Master LN can be connected to any LocoNet socket and the Radio Master LN + DCC can only be connected to the LocoNet- B socket.

Antenna Connector

The enclosed antenna is screwed to the antenna socket and oriented vertically.

USB Socket

Used for eventual Updates.

Screw terminals

Should the LocoNet be overloaded by the use of the Radio Master, the Radio Master can be connected with a 12 - 16V~ transformer by the screw.



LED Indicators

- Power On (red): briefly blinking 2x, power on
- LocoNet (green): Master receives data from the LocoNet, blinks when Master is in programming mode
- USB (green): USB – Data transfer
- DCC (green): Master receives DCC data from the LocoNet (only 66410)
- Radio (Tx) (Rx): without function

Configuration

Some parameters of the Radio Master can be read and changed by LocoNet programming.

Refer to your center's manual on how to use LocoNet programming on your center.

The part number for LocoNet programming is for both 66400 device variants.

The module address is always 1.

List of LNCVs

LNCV	Description
0	Module address (always 1, not changeable)
1	Version (read only)
2	Serial number (first four decimal places of an eight digit number e.g. <u>1111</u> 1111)
3	Serial number (second four decimal places of an eight digit number e.g. 1111 <u>1111</u>)
10	Channel selection: 0 = off 1 = Channel 1 for operating with two Masters 2 = Channel 2 for operating with two Masters 3 = Normal operation with one Master
11	Transmitting power: 1 = low 2 = middle 3 = high
20	Command to the Center when radio communications with the Hand Controller is interrupted: 0 = no command 1 = speed step 0 for the currently controlled locomotive 2 = Emergency stop for the currently controlled locomotive 3 = STOP / track power off

Technical Data

- Power consumption from LocoNet: 250 mA
- Frequency band: 868 MHz
- Dimensions: 95 x 101 x 65 mm (including Antenna)
95 x 98 x 32 mm (without Antenna)



Our contact details for you:

When you have questions we are here for you!

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Premium Hotline: **+49 (0)900 1858327 When it is urgent ...**

Mon. - Fri. 10:00 – 16:00
costs (98cent/min for fixed network, mobile is substantially more expensive)

Service: In the event of a defect please send the device to us with proof of purchase and a short description of the fault.

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