



marklin digital 60117 WLAN Receiver Box Instructions

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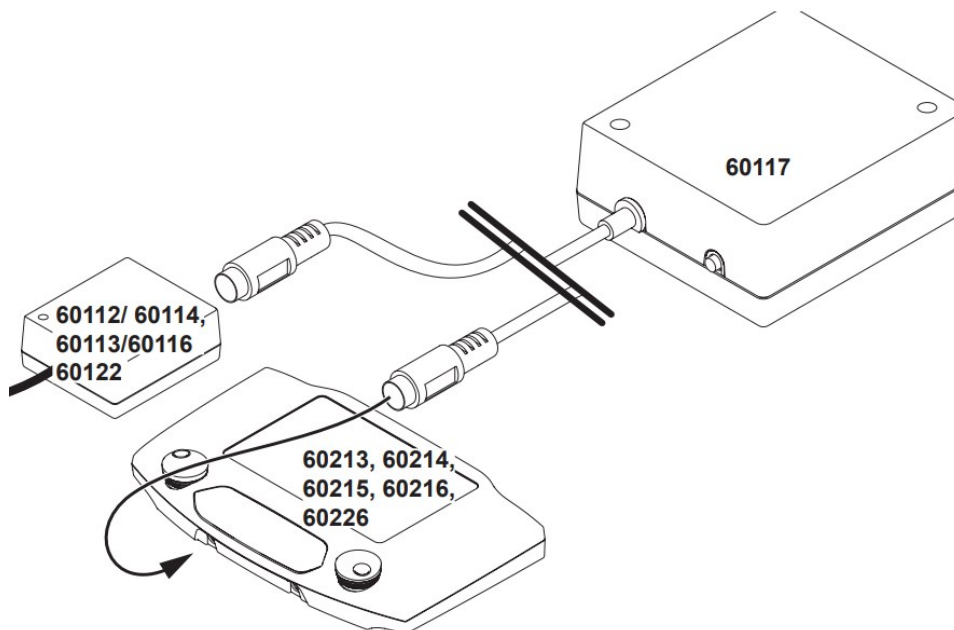
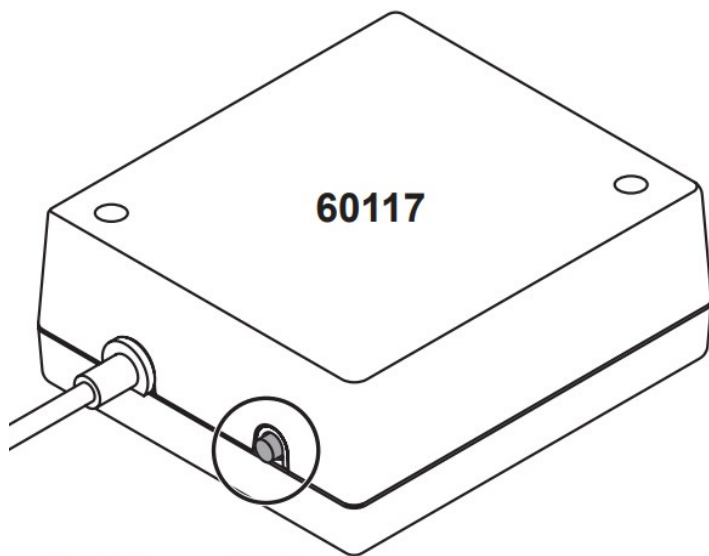
marklin digital 60117 WLAN Receiver Box Instructions



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Instruction



Before Using for the First Time

Safety Notes

- Only for operation in dry spaces
- Operating temperature between +5° C / +41° F and 50° C / 122° F.

Information about High Frequency (RF) Exposure

The radiated output power of this wireless device is below the Industry Canada (IC) / FCC limits for high frequency exposure. This wireless device should be used so that the potential for human contact is minimized during normal operation. This device has also been rated and it fulfills the IC limits for HF exposure under mobile exposure conditions. (Antennas should be more than 20 cm / 8" from your body).

- Wi-Fi 802.11 b/g/n
- TX Power +16 dBm
- RX Sensitivity -95.5 dBm

Intended Use

The 60117 WLAN Box is a WLAN receiver for operation of the Mobile Station WLAN. A maximum of 4 60667 Mobile Station WLAN units can be connected at the same time with a 60117 WLAN Box.

General Notes

- The operating instructions are a component part of the product and must therefore be kept in a safe place as well as included with the product, if the latter is given to someone else.
- Disposing: www.maerklin.com/en/imprint.html

Setup and Connection

The 60117 WLAN Box is connected directly to the 60114/60116 (60112/60113) Track Box. At the first connection to the track box, the WLAN box automatically updates it. Alternatively, the WLAN Box can also be connected to Central Station 2 or 3. In addition, the 60122 Hub can also be connected (see image on page 3). An additional voltage supply is not needed.

Starting Operation

1. The 60117 WLAN Box starts as soon as it is connected to the layout with the connection cable and the layout is turned on. It may happen that the LED will blink red when the WLAN Box is started. You should not turn the WLAN Box off so long as the LED blinks red. It is ready for operation as soon as the red blinking ends.
2. The WLAN Box immediately sets up its own WLAN. It can be up to one minute until the WLAN Box can be reached using WLAN Name: Märklin WLAN Box Password: maerklin160
3. Connect your Mobile Station WLAN to this WLAN as described in the instructions for the Mobile Station.
4. When a connection has been set up with the WLAN Box, the reset button will briefly flash green.

Operation

Together with a Track Box, the 60117 WLAN Box creates the connection between the 60667 Mobile Station and a model railroad. The operation of the model railroad is controlled with the Mobile Station.

During operation, the button on the 60117 WLAN Box indicates whether the layout is at GO (green) or at STOP (red).

This status can be switched moreover by pressing briefly on the button.

The operation of the model railroad is controlled with the Mobile Station WLAN.

Infrared Controllers

The 60117 WLAN Box can also receive and process signals from the Start-Up infrared controllers. Locomotive addresses to be assigned to the infrared controller can be set in the Web Interface.

Reset

A reset can be activated on the WLAN Box by pressing a long time (10 seconds) on the button. This will reset the WLAN Box to the default factory settings. All settings, which have been done, are thereby discarded.

Web Interface

A Smartphone or a PC (with WLAN) can access the WLAN Box as long as the 60117 WLAN Box is not connected to the 60667 Mobile Station WLAN.

Address: 192.168.160.1 or: wica.local

When a connection has been set up with the WLAN Box, the reset button will briefly flash green. Several settings can be done on the device in the interface shown in the browser. A previously downloaded update for the WLAN Box can also be installed here among other things. The LED blinks alternately in red and green during the update. The controller should not be turned off during the update.

Simplified Conformity Declaration

Gebr. Märklin & Cie GmbH hereby declares that the radio installation, item number 60117, adheres to Guideline 2014/53/ EU. The complete text of the EU conformity declaration is available at the following Internet address under „Downloads“: <https://www.maerklin.de/produkte/60117>

Compliance EU / Europa



Märklin hereby declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU and all other EU directive requirements.



Märklin hereby declares that this product is in compliance with Radio Equipments Regulations 2017 (S.I. 2017/1206)

USA

FCC compliance statement:

„This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.“

FCC ID: 2A53260117

Contains FCC ID: 2A532WGM160P

User Information

„Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Class B Device Notice:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off

and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Canada

ISED COMPLIANCE STATEMENT: Statement acc. RSS Gen Issue 5:

„This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference
2. This device must accept any interference, including interference that may cause undesired operation of the device.

CAN ICES-003(B) / NMB-003(B)

Contains IC ID: 29966-WGM160P



Australia / New Zealand

Regulatory Compliance Mark (RCM). Mandatory approval mark for Telecom, Electrical and Wireless products.



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www.maerklin.com



www.maerklin.com/en/imprint.html

Documents / Resources

 <small>marklin digital 60117</small>	marklin digital 60117 WLAN Receiver Box [pdf] Instructions 60117, 60112-60114, 60113-60116, 60122, 60117 WLAN Receiver Box, WLAN Receiver Box, Receiver Box, Box
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