

eNet radio converter in SCHUKO housing

Art. No. : FMGATE1ZSNA

Operating instructions**1 Safety instructions**

Electrical devices may only be mounted and connected by electrically skilled persons.

Serious injuries, fire or property damage possible. Please read and follow manual fully.

Adapter plugs may not be connected in series and must be easily accessible.

The radio communication takes place via a non-exclusively available transmission path, and is therefore not suitable for safety-related applications, such as emergency stop and emergency call.

These instructions are an integral part of the product, and must remain with the end customer.

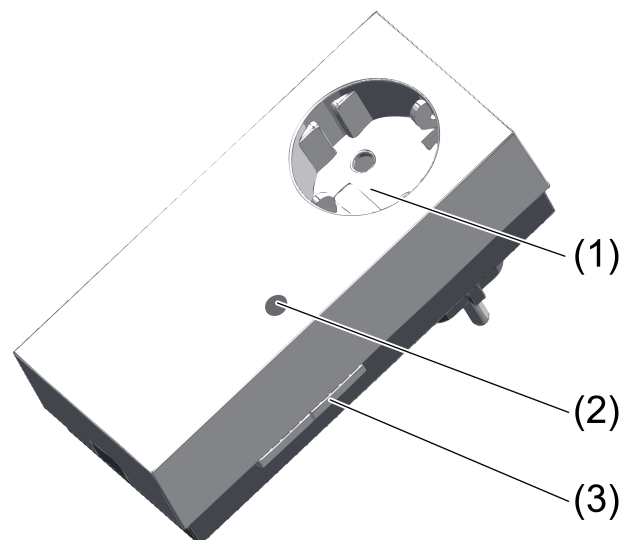
2 Device components

Figure 1: Gateway

- (1) SCHUKO socket with increased contact protection
- (2) Red status LED, covered
- (3) Button **Prog**

3 Function**Intended use**

- Control of eNet actuators by Radio Management transmitters
 - Control of Radio Management actuators by eNet transmitters
 - Indoor mounting in SCHUKO® socket or socket with ground pin
- i** The following Radio Management devices are not supported: motion detectors, presence detectors, HVAC devices, repeaters, window contacts, KNX gateways and Centrals.

Product characteristics

- Reception of Radio Management commands and conversion into eNet commands
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- 24 transmitter channels from both systems can be connected

- Scene 1 to scene 5 from both systems can be recalled and changed
- All On and All Off can be recalled from both systems
- Master dimming function

Supplementary functions with eNet Server Software up to version 1.4:

- Update of the device software
- Repeater function
- Reading of error memory

Functional description

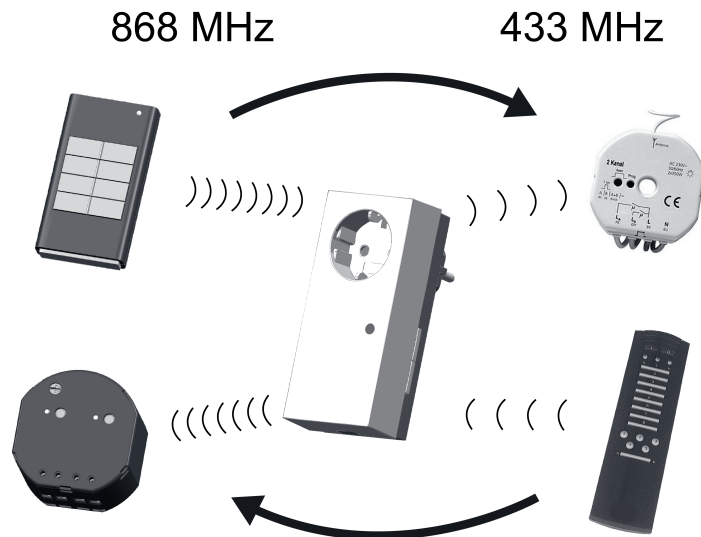


Figure 2: Inter-system radio operation

This device serves as an interface between the Radio Management, 433 MHz, and eNet, 868 MHz systems. It allows operation of the actuators in the other system (figure 2).

- i** Status feedback is only provided between the transmitter and the gateway on the eNet side.

Limited functionality

The eNet system has a wider range of functions than the radio management system. For this reason, the following functions are not possible using the radio gateway:

- Scenes 6...16
- Threshold value functions and disabling functions
- Save switch-on brightness using transmitter
- Transmission status and status feedbacks

4 Information for electrically skilled persons

Mounting

Maintain a distance of at least 0.5 m from metal surfaces and electrical devices, e.g. microwave ovens, hi-fi and TV systems, electronic ballasts or transformers.

Maintain a distance of at least 0.3 m between transmitter and receiver in order to prevent overmodulation of the receiver.

- Insert device into socket outlet.

4.1 Commissioning



DANGER!

Electrical shock when live parts are touched.

Electrical shocks can be fatal.

During commissioning, cover the parts carrying voltage on radio transmitters and actuators and in their surrounding area.

4.2 eNet transmitter controls Radio Management actuators

i Commissioning is not possible via the eNet server.

Connecting the eNet transmitter with the Radio Management actuator

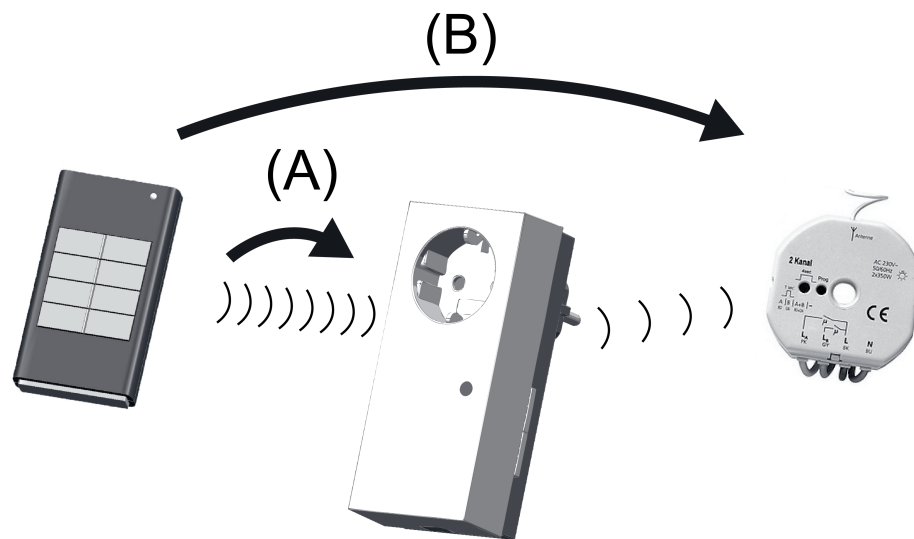


Figure 3: Connecting the eNet transmitter

Connection takes place in two steps (figure 3). First an eNet transmitter is connected to the gateway (A), and, in the second step, the eNet transmitter connected to one or more Radio Management actuators (B).

First step (A):

- Press the **Prog** button (3) of the gateway for approx. 4 seconds.
The status LED (2) of the gateway flashes slowly. The device is in programming mode for approx. 1 minute.
- Switch the eNet transmitter to programming mode as well (see eNet transmitter instructions).
- Briefly press the channel or scene button of the transmitter.
The LED of the gateway lights up for approx. 5 seconds.
The gateway and transmitter exit the programming mode automatically.

Second step (B):

- Switch one or more Radio Management actuators to programming mode (see Radio Management actuator instructions).
- Press the channel button of the eNet transmitter for longer than one second or the scene button for longer than three seconds.
The LEDs of the Radio Management actuators light up.
The eNet transmitter is connected to the Radio Management actuators.
- Exit the programming mode of the Radio Management actuators (see Radio Management actuator instructions).

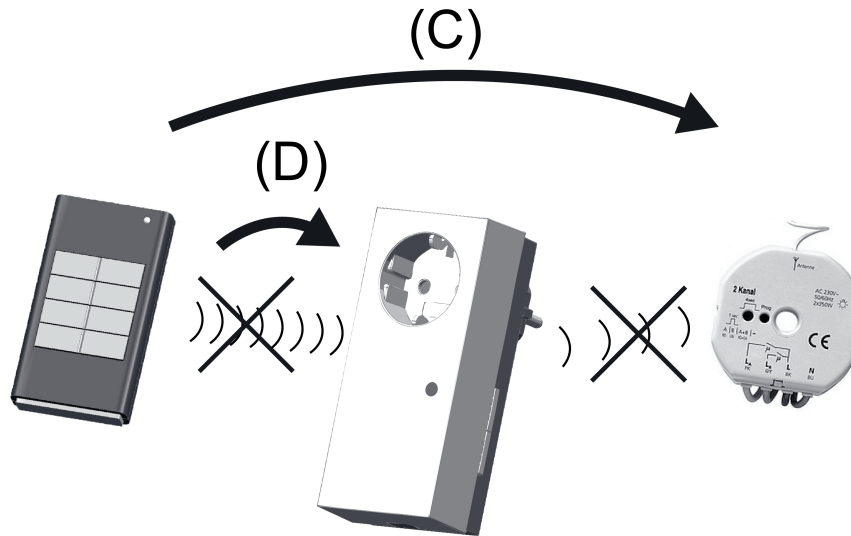
Disconnect the connection to the Radio Management actuator (C)

Figure 4: Disconnecting

Disconnection should take place before an actuator is replaced, so that occupied gateway channels can be made free again, or before a reset.

- Switch the Radio Management actuator to be disconnected to programming mode (see actuator instructions).
The LED of the actuator flashes slowly.
- Press the transmitter channel button connected to the actuator for longer than one second or the scene button for longer than three seconds.
The connection to the actuator is disconnected. The LED of the actuator flashes quickly.
- Exit the programming mode of the Radio Management actuators (see Radio Management actuator instructions).

Disconnect the connection between the eNet transmitter and the gateway (D)

- Press the **Prog** button (3) of the gateway for approx. 4 seconds.
The LED (2) of the gateway flashes slowly. The device is in programming mode for approx. 1 minute.
- Switch the eNet transmitter to programming mode as well (see eNet transmitter instructions).
- Briefly press the connected button of the eNet transmitter.
The connection is disconnected. The LED flashes for a few seconds.

4.3 Radio Management transmitter controls eNet actuators

Connect the Radio Management transmitter and eNet actuators

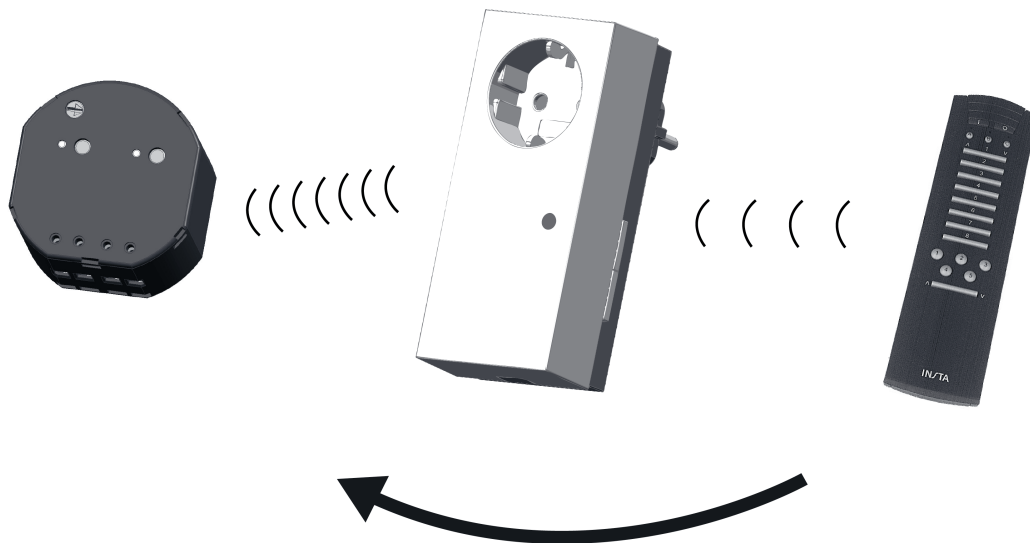



Figure 5: Connecting the Radio Management transmitter

- Press the **Prog** button (3) of the gateway for approx. 4 seconds.
The LED (2) of the gateway flashes slowly. The device is in programming mode for approx. 1 minute.
- Switch all the eNet actuators, which are to react to the channel or scene button, to programming mode as well (see eNet actuator instructions).
-  Up to 10 eNet actuators can be connected at the same time.
- Press the channel button on the Radio Management transmitter for longer than one second or the scene button for longer than three seconds.
The LED of the gateway switches to continuous on for a few seconds.
The radio transmitter is connected. The gateway and actuators exit the programming mode automatically.

Disconnect the connection between the Radio Management transmitter and the eNet actuator

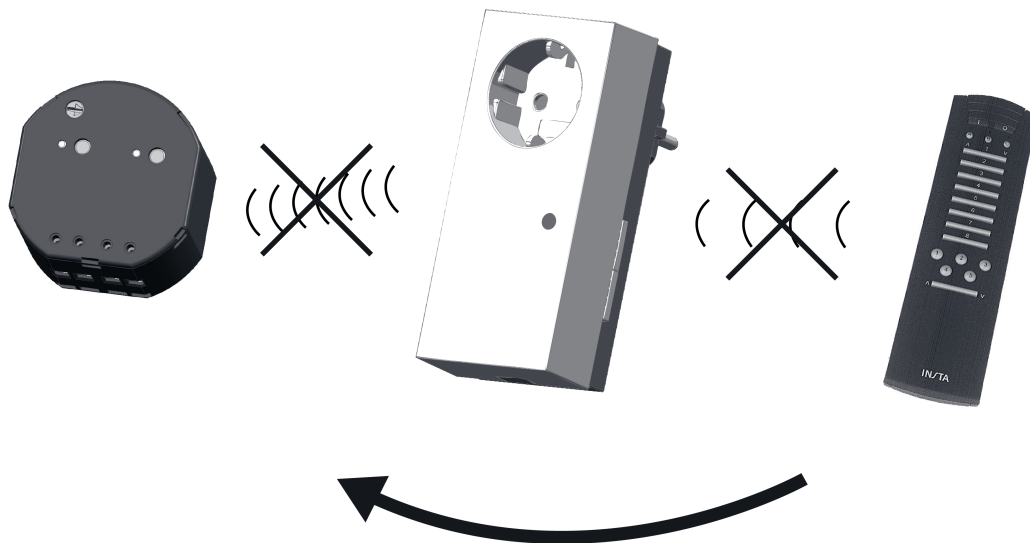


Figure 6: Disconnecting

- Press the **Prog** button (3) of the gateway for approx. 4 seconds.
The LED (2) of the gateway flashes slowly. The device is in programming mode for approx. 1 minute.
- Also switch all the eNet Bus actuators to be disconnected to programming mode (see eNet actuator instructions).
- Press the channel button on the Radio Management transmitter for longer than one second or the scene button for longer than three seconds.
The gateway detects that the actuator was previously connected and instigates the disconnection operation.
The eNet actuator is disconnected. The actuator exits programming mode automatically.

Resetting the device to the factory setting

All the connections in the gateway between transmitters and actuators are disconnected. Recommissioning must take place.

- i** Before resetting to the factory setting, disconnect connected Radio Management actuators (see Disconnecting the connection to the Radio Management actuator). This ensures that setting up new connections does not cause unintentional switching operations.
- Press the **Prog** button for at least 20 seconds.
The status LED flashes after 4 seconds. After 20 seconds the status LED flashes faster.
- Release the **Prog** button and press it once again within 10 seconds.
All the connections are disconnected. The status LED flashes more slowly for approx. 5 seconds.

5 Appendix

5.1 Technical data

Rated voltage	AC 230 V ~
Mains frequency	50 / 60 Hz
Rated load current	16 A (I _N)
Power consumption	max. 1 W
Degree of protection	IP 20
Ambient temperature	-5 ... +45 °C
Dimensions W×H×D	57×127×78 mm
Transmitting range in free field	typ. 100 m

Receiver category	2
eNet radio data	
Radio frequency	868.0 ... 868.6 MHz
Transmission capacity	max. 20 mW
Radio Management radio data	
Radio frequency 2	
Transmission capacity	max. 10 mW

5.2 Parameter list

i Only with eNet Server Software up to version 1.4

The device parameters can be changed with the eNet server:

Settings window

Device settings

Parameters	Setting options, Basic setting	Explanations
Repeater mode	On, Off Basic setting: Off	In addition to its other functions, the device can be used as a repeater. In the "On" setting, the device repeats all the received telegrams.

Settings, channel

Parameters	Setting options, Basic setting	Explanations
Local Operation	On, Off Basic setting: On	With this device, the parameter has no function.
Manual commissioning	On, Off Basic setting: On	With this device, the parameter has no function.
Sum status / transmission repetitions	On, Off/Transmit 2x...11x, Off/Transmit 4x (without connection) Basic setting: Off	With this device, the parameter has no function.

5.3 Troubleshooting

Additional connections between the transmitter and receiver cannot be saved.

Cause: all the memory locations in the gateway are occupied.

Disconnect connections no longer required.

Or

Reset the gateway to the default setting and reconnect the transmitter and actuators.

Or

Use an additional gateway for new connections.

5.4 Conformity

Albrecht Jung GmbH & Co. KG hereby declares that the radio system type

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corresponds to the directive 2014/53/EU. You can find the full article number on the device. The complete text of the EU Declaration of Conformity is available under the Internet address:

www.jung.de/ce

5.5 Warranty

The warranty follows about the specialty store in between the legal framework as provided for by law.

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