RolloHomeControl
RADEMACHER

Brief Instructions for Commissioning

Repeater with switch function 8434

Item No.: 3500 24 14

230 V / 50 - 60 Hz socket

On / off switch

LED
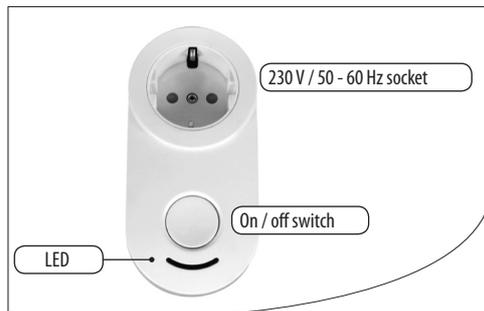
VBD 596-6 (07.17)

1. Introduction

These brief instructions describe the commissioning and installation process for RADEMACHER repeaters with switch function based on Z-Wave technology.

2. System requirements

You require the following for installation:
◆ A RADEMACHER USB Stick 8430-1 based on Z-Wave technology (item no. 3200 20 39).
◆ A HomePilot® with software version 4.4.9 or higher*.

* You can find the current software version for the HomePilot® under: Configuration / System / Firmware Update / display right.

3. General safety information

The use of defective equipment can lead to personal injury and damage to property (electric shocks, short circuiting).
Never use defective or damaged equipment. Please contact our Customer Service department in this event.

Incorrect use leads to an increased risk of injury by electric shocks or short circuiting.
Children may not be permitted to play with the repeater.

Danger from fatal electric shock
The repeater is never fully de-energised. Even when the repeater is switched off, the plugged in electrical appliance is not completely (galvanically) disconnected from the mains power supply.

Remove the unit from the socket or pull the plug out of the repeater prior to undertaking any work on the electrical appliance.

4. Proper use

Use the repeater exclusively:
◆ for amplifying radio signals based in Z-Wave technology.
◆ for connecting and controlling electrical appliances (e.g. lighting etc.) up to the stated total power level (see Technical Specifications).

Operating conditions
◆ Only use the repeater in dry rooms.
◆ Only use with 230 V / 50 - 60 Hz mains sockets.
◆ The installation and operation of the RADEMACHER radio system (and its components) is only permitted for those systems and devices where a malfunction in the transmitter or receiver would not cause a danger to personnel or property or where this risk is already covered by other safety equipment.

4. Proper use

NOTE
Radio systems which transmit on the same frequency can cause interference.

5. Improper use

Improper use can lead to serious injuries or property damage.
Never use the existing radio system and its components for the remote control of appliances and systems with increased safety-relevant requirements or where there is an increased risk of accident. Such situations require additional safety equipment. Observe the respective statutory regulations for the installation of such systems.

6. Functional description

The repeater is able to extend the radio range of RADEMACHER devices based on Z-Wave technology. It is necessary to register the device on the HomePilot® in order that the repeater is able to extend the range of other Z-Wave components!

In addition, you can also connect an electrical appliance to the repeater. The repeater can be activated and deactivated on site via its integrated on/off switch.

Once it has been registered to the HomePilot®, it can also be switched on and off via radio.

In order to do so, please refer to the HomePilot® operating manual. You can find a detailed description of the navigation options and user interface for your HomePilot® in the downloads section of our website:

www.homepilot.de/downloads

Enter the respective URL into the address field of your browser.

7. Installation / Commissioning

1. **Insert the repeater into an existing mains socket at the desired location.**
2. **Subsequently connect the electrical appliance to the repeater's protective contact socket.**
3. **The consumer can be activated and deactivated on site by briefly pressing the on/off switch on the repeater.**

8. Information about logging on/off the HomePilot®

◆ Carry out the registration process in the immediate vicinity (maximum 4 metres) of the HomePilot®.
◆ **Log-on/off can only be carried out if the appliance is switched off and the LED is off.**

8.1 HomePilot® registration

1. **First switch off the connected electrical appliance using the on/off switch.**
2. **Switch the HomePilot® to login mode, select the "Register devices"function from the "Configuration" menu.**
3. **Press and hold the on/off switch until the LED briefly flashes and then immediately release it again.**
4. **The LED flashes multiple times in brief succession in order to signalise the login process.**
5. **If registration is successful, the LED lights up red continuously for approx. 2 seconds.**
6. **In order to compete the registration process, actuate the on/off switch several times as described in point 3.**
   Follow the instructions provided by the HomePilot® user interface.
7. **Configure the desired scene which you intend to activate with the repeater.**

8.1 HomePilot® registration

NOTE
If registration is not possible, then it may be the case that the repeater has already been assigned to another system. In this case, first revoke assignment of the repeater. In order to do so, refer to "8.2 Logout".

8.2 Logging out from the HomePilot®

1. **First switch off the connected electrical appliance using the on/off switch.**
2. **Switch the HomePilot® to logout mode.**
3. **Proceed as described in section 8.1, point 3 "Registration".**

8.3 Extending the radio range

You can use one or more repeaters (item no. 3500 24 14) in order to extend the radio range (see Chapter 9, Technical Specifications). Each repeater must be previously assigned to the HomePilot®.

9. Technical Specifications

Supply voltage:	230 V / 50 - 60 Hz
Standby consumption:	< 0.5 W
Switching capacity:	max. 3000 W / 16 (8) A
Protection class:	II only for use in dry areas
Transmission frequency:	868.42 MHz
Transmission power:	max. 10 mW
Range outdoors:	approx. 70 m
Permissible ambient temperature:	0 °C to + 50 °C
Dimensions (without plug):	62 x 126 x 49 mm (W x H x D)

10. Simplified EU Declaration of Conformity

CE RADEMACHER Geräte-Elektronik GmbH hereby declares that the Repeater 8434 complies with the Directive **2014/53/EU (Radio Equipment Directive)** .

The full text of the declaration of conformity is available at the following website:

www.rademacher.de/ce

11. Warranty conditions

RADEMACHER Geräte-Elektronik GmbH provides a 24-month warranty for new systems that have been installed in compliance with the installation instructions. All construction faults, material defects and manufacturing defects are covered by the warranty.

Your statutory warranty claims shall remain unaffected by this warranty.

The following are not covered by the warranty:
◆ Incorrect fitting or installation
◆ Non-observance of the installation and operating instructions
◆ Improper operation or wear and tear
◆ External influences, such as impacts, knocks or weathering
◆ Repairs and modifications by third parties, unauthorised persons
◆ Use of unsuitable accessories
◆ Damage caused by unacceptable excess voltage (e.g. stroke of lightning)
◆ Operational malfunctions caused by radio frequency overlapping and other such radio interference

For the warranty to be applicable, the new device must have been purchased through one of our approved specialist retailers. Proof of this must be provided by presenting a copy of the bill.

RADEMACHER shall remedy any defects, which occur within the warranty period free of charge either by repair or by replacement of the affected parts or by supply of a new replacement unit or one to the same value. There is no general extension of the original warranty period by delivery of a replacement or by repair as per the terms of the warranty.