HmIP-KRCK-2

Key ring remote control – access

Installation instructions and operating manual

homematic IP

Table of contents

1 Package contents....3
2 Information about this manual....3
3 Hazard information....3
4 General system information....5
5 Function and device overview....5
6 Pairing with a central control unit....5
7 Operation....6
8 Changing the batteries....6
9 Troubleshooting....7
9.1 Weak batteries....7
9.2 Command not confirmed....7
9.3 Duty cycle....7
9.4 Flash codes....8
10 Restoring the factory settings....9
11 Maintenance and cleaning....9
12 General information about wireless operation....9
13 Disposal....10
14 Technical specifications....11

Documentation © 08/2025 eQ-3 AG, Germany
All rights reserved. No part of this manual may be reproduced in any form or duplicated or processed using electronic, mechanical or chemical processes without the written consent of the publisher.
It is possible that this manual may contain typographical errors or printing errors. However, the information contained in this manual is reviewed on a regular basis and any necessary corrections will be implemented in the next edition. We accept no liability for technical or typographical errors or the consequences thereof. All trademarks and industrial property rights are acknowledged.
Changes in line with technical progress may be made without prior notice.
Version Draft

1 Package contents

1× Key ring remote control – access
1× 1.5 V LR03/Micro/AAA
Operating manual

2 Information about this manual

Read this manual carefully before beginning operation with your Homematic IP device. Keep the manual for later consultation. If you hand the device over to other persons for use, please ask them to read this manual.

Symbols used

This indicates a hazard.

This section contains important additional information.

3 Hazard information

We accept no liability for damage caused by use for other than the intended purpose, incorrect handling or failure to observe the hazard warnings. In such cases, all warranty claims are void. We accept no liability for consequential damage.

Do not use the device if it has visible damage or a malfunction. If you have any doubts, have the device checked by a qualified expert.

For safety and licensing reasons (CE), unauthorised conversions to and/or modification of the device are not permitted.

The device is not a toy – do not allow children to play with it.

Plastic film, plastic bags, polystyrene parts, etc. can be dangerous for children. Keep the packaging material out of the reach of children and dispose of it immediately.

Ensure that the batteriesare replace correctly. Only replace the batteries with the same or an equivalent type. Do not dispose of the batteries in a fire. Do not expose the batteries to excessive temperatures. Do not short circuit the batteries. Doing so will present a risk of explosion.

Leaking or damaged batteries can cause chemical burns on contact with skin. Wear suitable protective gloves when handling or replacing leaking or damaged batteries. Avoid contact with leaked liquids. In case of skin contact, rinse with plenty of water.

Do not open the device. You do not have to perform any maintenance on the device apart from any necessary battery changes. Repairs may only be carried out by a qualified specialist.

Do not expose the device to moisture, vibrations, constant solar or other heat radiation, excessive cold or mechanical loads. The device must only be operated indoors.

Clean the device using a soft and dry lint-free cloth. The cloth can be slightly moistened with lukewarm water to remove more stubborn marks. Do not use solvent-based cleaning agents for cleaning, as these can damage plastic parts and labelling.

4 General system information

This device is part of the Homematic IP smart home system and communicates using the Homematic IP wireless protocol. All devices of the system can be configured comfortably and individually using the Homematic IP app. Operation requires connection to a Homematic IP Access Point or Central Control Unit. For more information on the system and how to combine it with other Homematic IP devices, please refer to the Homematic IP User guide.

All technical documents and updates are to be found at www.homematic-ip.com.

5 Function and device overview

The Homematic IP Key Ring Remote Control – access control enables you to control your Homematic IP Door Lock Drive. A touch of a button is all you need to open, lock or unlock a door via the lock drive. The “Light” button can be used to switch on/off individually defined lighting sources.

Device overview

A) Device LED
B) Button 1 “Close”
C) Button 2 “Unlock”
D) Button 3 “Open door”
E) “Light” button (“on/off”)[1]
F) System button
G) Battery compartment (cover)

[1] The “Light” button switches paired devices: Press once briefly for device “on”, press and hold once for device “off”.

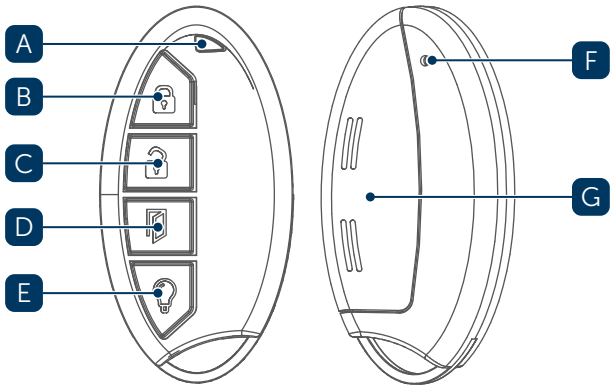

Figure 1

6 Pairing with a central control unit

Read this entire section before starting the pairing procedure.

Set up your Homematic IP control unit via the Homematic IP app so that you can use Homematic IP devices in the system. Detailed information on this is to be found in the operating manual for the control unit.

Proceed as follows to pair the device with your control unit:

- Open the Homematic IP app.
- Tap on **...More** in the homescreen.
- Tap on **Pair device**.
- Remove the insulation strip from the battery compartment.
- The pairing mode is active for 3 minutes.

You can manually start the pairing mode for another 3 minutes by pressing the system button shortly.

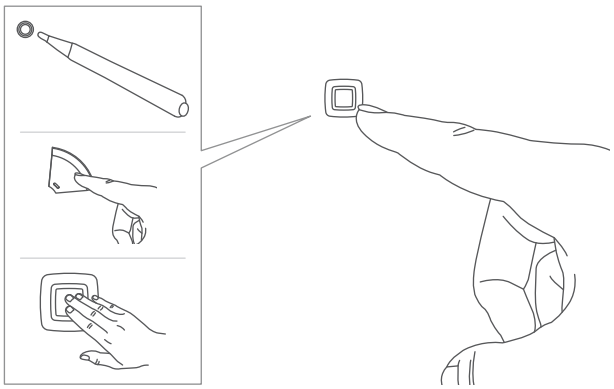

Figure 2

The type of system button depends on your device. Further information is to be found in the device overview.

- The device appears automatically in the Homematic IP App.
- Enter the last four digits of the device number (SGTIN) in your app, or scan the QR code. The device number can be found on the sticker supplied or attached to the device.
- Wait until pairing is completed.
- If pairing was successful, the device LED lights up green.
- The device is now ready for use.

If the device LED lights up red to, please try again *Flash codes, page 8*.

- Then follow the instructions in the Homematic IP App.

7 Operation

If you have paired the device with a Homematic IP control unit, additional configurations are available in the device settings. You can make the necessary adjustments directly in the Homematic IP App:

- **Button group/single buttons**: You can configure the buttons on the device.
  – Button group
  – Single buttons
  By default, the buttons are configured as a button group and perform the action according to the icon.

  Define the function of the individual buttons in the Homematic IP App according to your personal needs, for example to switch light sources on/off, to activate/deactivate eco mode and to raise/lower roller shutters.
- **Double-click function**: The double-click function prevents actions being triggered unintentionally. If you have activated the double-click function, an action is only carried out with a double-click. Specify the time span in which the second click must take place.
  – Activate (0.1 - 1 s)
  – Deactivate
- **Assign channels**: Assign the individual to the desired rooms or solutions.

8 Changing the batteries

Replace the old battery(ies) when the empty battery symbol appears in the Homematic IP app. Pay attention to the correct battery polarity.

Proceed as follows to restore the factory settings of the device:

- Open the battery compartment by pushing the battery compartment cover away from the device with a little pressure.
- Remove the empty battery(ies).
- Insert the new battery(ies) (1× 1,5 V LR03/Micro/AAA) with the correct polarity according to the markings.
- After inserting the battery(ies), pay attention to the flashing sequences of the device LED *see Flash codes, page 8*.
- Close the battery compartment.

Once the batteries have been inserted, the device will perform a self-test for approx. 2 seconds. Afterwards, initialisation is carried out. The LED test display will indicate that initialisation is complete by lighting up orange and green.

9 Troubleshooting

9.1 Weak batteries

Provided that the voltage value permits it, the device will remain ready for operation even if the battery voltage is low. Depending on the particular load, it may be possible to send transmissions again repeatedly once the batteries have been allowed a brief recovery period. If the voltage drops again while sending, this will be displayed in the Homematic IP app and on the device *see Flash codes, page 8*. Change the batteries in this case *see Changing the batteries, page 6*.

9.2 Command not confirmed

If at least one receiver does not confirm a command, the LED lights up red at the end of the failed transmission. The reason for the failed transmission may be radio interference *see General information about wireless operation, page 9*. This may be caused by the following:

- Receiver cannot be reached
- Receiver is unable to execute the command (load failure, mechanical blockage, etc.)
- Receiver is faulty

9.3 Duty cycle

The duty cycle is a legally regulated limit of the transmission time of devices in the 868 MHz range. The aim of this regulation is to safeguard the operation of all devices working in the 868 MHz range. In the 868 MHz frequency range used by us, the maximum transmission time of any device is 1% of an hour (i.e. 36 seconds in an hour). Devices must cease transmission when they reach the 1% limit until this time restriction has expired. Homematic IP devices are developed and produced to ensure 100% conformity with this regulation.
During normal operation, the duty cycle is not usually reached. However, repeated and radio-intensive pairing processes mean that it may be reached in isolated instances during start-up or initial installation of a system. If the duty cycle is exceeded, this is indicated by three slow red flashes of the LED, and may manifest itself in the device temporarily not working. The device will start working again after a short period (max. 1 hour).

9.4 Flash codes

Flash code	Meaning	Solution
1× orange and 1× green light (after inserting the batteries)	Test display	You can continue once the test display has stopped.
Short orange flashes (every 10 s)	Pairing mode active	Enter the last four digits of the device number (SGTIN) in your app, or scan the QR code.
Short orange flashes	Transmission of configuration data	Wait until the transmission is completed.
Brief orange flashing (followed by a steady green light)	Transmission confirmed	You can continue operation.
Brief orange flashing (followed by a steady red light)	Operation failed or duty cycle limit reached	Please try again *see Command not confirmed, page 7*or *see Duty cycle, page 7*.
6× long red flashes	Error detected	Please see the display on your app or contact your retailer.
Short orange light (after green or red light)	Battery/batteries empty	Replace the device battery/batteries *see Changing the batteries, page 6*.
Alternating long and short orange flashing	Device software update (OTAU)	Wait until the update is completed.

10 Restoring the factory settings

The factory settings of the device can be restored. If the device is paired with a contro unit, the configurations are automatically restored. If the device is not paired with a control unit, all the settings are lost.

Proceed as follows to restore the factory settings of the device:

- Remove one battery from the battery compartment.
- Please wait a minute.
- Press and hold the system button for 4 seconds Fig. 2and insert the battery at the same time. Pay attention to the correct polarity marking
- The device LED starts flashing orange fast.
- Release the system button .
- Press and hold themenu buttonfor 4 seconds.
- The device LED lights up green.
- Release the system button to finish restoring the factory settings.

The device performs a restart.

If the device LED lights up red to, please try again *Flash codes, page 8*.

11 Maintenance and cleaning

The device is maintenance-free for you, except for any necessary battery changes. Leave any maintenance or repair to a specialist.

Clean the device using a soft, clean, dry and lint-free cloth. The cloth can be slightly dampened with lukewarm water to remove more stubborn marks. Do not use any detergents containing solvents for cleaning purposes. They could corrode the plastic housing and label.

12 General information about wireless operation

Radio transmission is performed on a non-exclusive transmission path, which means that there is a possibility of interference occurring. Interference can also be caused by switching operations, electrical motors or defective electrical devices.

The range inside buildings can differ greatly from that in open air. Besides the transmitting power and the reception characteristics of the receiver, environmental factors such as humidity in the vicinity play an important role, as do on-site structural/screening conditions.

Declaration of conformity

eQ-3 AG, Maiburger Str. 29, 26789 Leer, Germany, hereby declares that the wireless system type Homematic IP HmIP-KRCK-2 complies with Directive 2014/53/EU. The full text of the EU declaration of conformity can be found at: www.homematic-ip.com

13 Disposal

This symbol means that the device and the single-use or rechargeable batteries must not be disposed of as household waste or general waste, or in a yellow bin or yellow bag. For the protection of health and the environment, you must take the product, all electronic parts included in the package contents, and the batteries to a municipal collection point for waste electrical and electronic equipment to ensure correct disposal of the same. Distributors of electrical and electronic equipment or batteries must also take back waste equipment or used batteries free of charge. By disposing of them separately, you are making a valuable contribution to the reuse, recycling and other methods of recovery of used devices and used batteries. You must separate any used single-use and rechargeable batteries found in used electrical and electronic devices from the used device if they are not enclosed by the used device before handing it over to a collection point and dispose of them separately at the local collection points. Please also remember that you, the end user, are responsible for deleting personal data on any waste electrical and electronic equipment before disposing of it. Please only return lithium batteries and battery packs from all systems to the designated collection points in a discharged state. To prevent short circuits, please insulate the poles of batteries or battery packs with adhesive tape, for example.

CE The CE mark is a free trademark that is intended exclusively for the au-thorities and does not imply any as-surance or guarantee of properties.

i If you have any technical questions about the appliance, please contact your specialist dealer.

14 Technical specifications

Device short description	HmIP-KRCK-2
Supply voltage	1× 1.5 V LR03/micro/AAA
Battery life	5 years (typical)
Current consumption	100 mA max.
Degree of protection	IP20
Ambient temperature	-10 to +55°C
Dimensions (W × H × D)	38 x 75 x 14 mm
Weight (incl. batteries)	38 g
Typical wireless range in open space	200 m
Radio frequency band	868.0-868.6 MHz / 869.4-869.65 MHz
Duty cycle	< 1% per h / < 10% per h
Maximum radiated power	10 dBm

Subject to modifications.

Free download of the Homematic IP app!

Download on the App Store

GET IT ON Google Play

eQ-3
eQ-3 AG
Maiburger Straße 29
26789 Leer / GERMANY

www.eQ-3.de
support.de@eq-3.com // support.en@eq-3.com
gpsr@eq-3.com