

**Radio remote control, 2-gang**

Order No. : 5352 10

**Radio remote control, 4-gang**

Order No. : 5354 10

**Operating instructions****1 Safety instructions**

**Keep button cells out of reach of children! If button cells are swallowed, get medical help immediately.**

**Risk of explosion! Do not throw batteries into fire.**

**Risk of explosion! Do not recharge batteries.**

**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.**

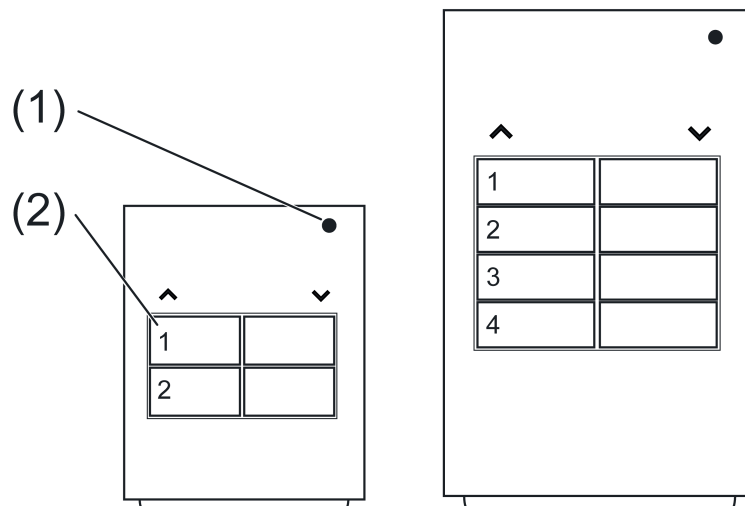
**2 Device components**

Figure 1: Radio hand transmitter 2-gang and 4-gang

(1) Status LED

(2) Buttons

**3 Function****System information**

This device is a part of the eNet system.

High transmission reliability at a radio frequency of 868 MHz is achieved by the transmission behaviour and bidirectional data transfer.

The range of a radio system depends on various external circumstances. The range can be optimised by the choice of installation location.

This device complies with the requirements of the R&TTE Directive 1999/5/EC. Declaration of Conformity and further information on the eNet system can be found on our website.

The device may be operated in all EU and EFTA countries.

**Intended use**

- Hand transmitter for radio transmission of switching, dimming, blind movement and scene commands
- Operation with radio actuators from the eNet system

**Product characteristics**

- Two adjacent buttons each belong to one channel
- Status indication with LED
- Switch-on brightness of dimmer actuators can be saved.
- Battery-powered device
- Scenes, radio hand transmitter, 2x: All Off, three individual scenes.
- Scenes, radio hand transmitter, 4x: All Off, seven individual scenes.
- Signalling of transmission errors can be switched off

Can be set with eNet server:

- Master dimming function
- Scene All On
- Operation locks

**i** If settings are changed with the eNet server, operation and signalling could vary from what is described here.

**i** The parameter list is in the Internet in the documentation for this device.

Supplementary functions with eNet server

- Update of the device software
- Reading of error memory

**4 Operation**

One channel of a radio hand transmitter consists of two buttons. These can be used in two different ways.

- As channel buttons for switching, dimming, toggling, Venetian blind operation
- As scene buttons to recall set scenes

**Function of status LED in operation**

As soon as a button is pressed or released, the status LED (1) first signals radio transmission

- LED turns red for 3 seconds

and then the actuator status/group status

- LED turns green for 3 seconds:  
At least one actuator is switched on, or one Venetian blind is not in the top end position
- LED remains off:  
All the actuators are switched off or the blinds are all in the upper end position

or - if there is no status message from an actuator - a transmission error.

- The LED rapidly flashes red for 5 seconds:  
The status message of at least one actuator is missing

**Operating light**


- Switching: Press button for less than 0.4 seconds.
- Dimming: Press the button for longer than 0.4 seconds. The dimming process ends when the button is released.
- Switching on dimmer actuators at minimum brightness: Press the right-hand button for longer than 0.4 seconds.
- Switching on dimmer actuators at minimum brightness and dimming to maximum brightness: Press the left-hand button for longer than 0.4 seconds.

**Operating blind**

- Moving the Venetian blind: Press the button for longer than 1 second.
- Stopping or adjusting the Venetian blind: Press the button for less than 1 second.

**Operating push-button actuator**

- Buttons: The load is switched on for the duration of the button-press.

 The maximum actuation length is 60 seconds.

**Recalling scenes**

- Press the scene button briefly.  
Actuators switch to the saved scene.

**Changing scene**

- Press the scene button briefly.  
Actuators switch to the saved scene.
- Setting a new scene.
- Press scene button for longer than 4 seconds.  
Actuators first switch to the old scene and save the new scene after 4 seconds.

**Save switch-on brightness**

With dimmer actuators a brightness value can be saved to which the dimmer actuator switches after a short button press.

The buttons of a channel are set as channel buttons.

- Set required switch-on brightness.
- Press both buttons of a channel simultaneously for longer than 4 seconds.  
The light is briefly switched off and switched on again to the switch-on brightness. Switch-on brightness is saved.

**Polling sum status**

The buttons of a channel are set as channel buttons.

- Press both buttons of a channel simultaneously for 1 to 4 seconds.  
Signalling of radio transmission and group status (see function of the status LED in operation)

**5 Information for electrically skilled persons****5.1 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.**

**Insert battery****WARNING!**

**Risk of chemical burns.**

**Batteries can burst and leak.**

**Replace batteries only with an identical or equivalent type.**

- Open battery compartment on the rear side of the hand-held transmitter.
-  Keep contacts of batteries and device free of grease.
- Apply battery to the positive contact of the battery holder. Observe polarity: the positive pole of the battery must be at the top.
- Press gently on battery to snap it in.
- Close battery compartment.

Hand-held transmitter is ready for operation.

### Configuring the buttons

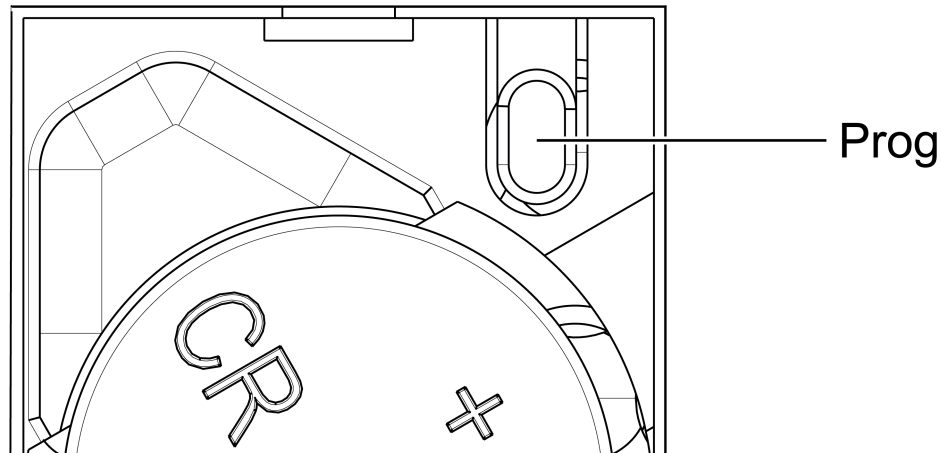


Figure 2: **Prog** Button in the battery compartment

In the as-delivered state, all the buttons are configured as channel buttons.

- Press **Prog** (Figure 2) button briefly.  
Status LED is red. Hand-held transmitter is in configuration mode for 10 seconds.
- Setting as channel buttons: Press the left-hand button of the appropriate channel until the status LED turns green.  
The right and left button of the channel are set as channel buttons.
- Setting as scene button: Press the right-hand button of the appropriate channel until the status LED turns green.  
The right and left button of the channel are set as scene buttons.

### Overview of scene buttons

Buttons	Button allocation
1 left / 1 right	Scene 1 / All Off
2 left / 2 right	Scenes 2 / Scene 3
3 left / 3 right	Scenes 4 / Scene 5
4 left / 4 right	Scenes 6 / Scene 7

**i** Buttons 3 and 4 are only for 4-gang hand-held transmitters

### Connecting to radio actuator

- i** Up to 10 radio actuators can be connected to a transmitter in a single step.
  - Switch the actuator to programming mode (see actuator instructions).
  - Press the **Prog** button for longer than 4 seconds.  
Status LED (1) flashes red. The hand-held transmitter is in programming mode for approx. 1 minute.
  - Press the right-hand or left-hand button of the required channel or the scene button briefly  
The status LED lights up for approx. 5 seconds, and the channel buttons or scene button are connected to the actuator. The hand-held transmitter and actuator exit the programming mode automatically.
- i** The All Off button is connected to the actuator automatically as soon as the first connection to a radio transmitter takes place. Scene buttons must be connected separately.

- i** If the status LED of the radio transmitter flashes 3 times at 1-second intervals for approx. 5 seconds, then the programming operation was not successful. The actuator is outside radio range, not in programming mode or there are radio faults.
- i** If the status LED of the actuator flashes 3 times at 1-second intervals for approx. 5 seconds, then the programming operation was not successful. All the memory locations in the actuator or radio transmitter are occupied.
- i** Press the **Prog** button once again for longer than 4 seconds to terminate the programming mode earlier.

### Disconnecting connection to an actuator

- Carry out the same steps as when connecting (see the chapter Connecting to radio actuator).  
The status LED of the actuator flashes quickly for 5 seconds. The actuator is disconnected from the radio transmitter. The actuator and radio transmitter exit the programming mode automatically.
- i** If there several connections or scene buttons for an actuator, all the connections must be disconnected individually.
- i** The All Off button of a radio transmitter is disconnected automatically as soon as the last connection to the actuator is disconnected. Manual disconnection is not possible.

### Resetting the channel or scene button

All the connections of the channel buttons or the scene button to actuators are disconnected and parameters are reset to default setting.

- i** The connections in the actuators are preserved and must be deleted separately.
  - Press the **Prog** button for longer than 20 seconds.  
The status LED (1) flashes red after 4 seconds. The status LED flashes faster after 20 seconds.
  - Release the **Prog** button and press briefly a channel button of the appropriate channel or the scene button once again within 10 seconds.  
The status LED flashes more slowly for approx. 5 seconds.  
The channel buttons of the channel button has been reset. The setting as channel buttons or scene button is retained.

### Resetting the hand-held transmitter to the default setting

All connections to actuators are disconnected and parameters are reset to default setting.

- i** The connections in the actuators are preserved and must be deleted separately.
  - Press the **Prog** button for longer than 20 seconds.  
The status LED (1) flashes red after 4 seconds. The status LED flashes faster after 20 seconds.
  - Release **Prog** button and press briefly once again within 10 seconds.  
The status LED flashes more slowly for approx. 5 seconds.  
The hand-held transmitter is reset to default setting. All the buttons are set as channel buttons.

## 6 Appendix



Remove empty batteries immediately and dispose of in an environmentally friendly manner. Do not throw batteries into household waste. Consult your local authorities about environmentally friendly disposal. According to statutory provisions, the end consumer is obligated to return used batteries.



The icon confirms the conformity of the product to the relevant guidelines.

### 6.1 Technical data

Rated voltage  
Battery type

DC 3 V  
1×Lithium CR 2450N

Ambient temperature  
 Degree of protection  
 Dimensions L×W×H  
 Order No. 5352 10  
 Order No. 5354 10  
 Radio frequency  
 Transmitting power  
 Transmitting range in free field

-5 ... +45 °C  
 IP 20

55×40.5×15 mm  
 93×53×15.5 mm  
 868.3 MHz  
 max. 20 mW  
 typical 100 m

## 6.2 Parameter list

### Settings window

#### Device settings

Parameter name	Setting options, Basic setting	Explanations
Manual commissioning	On, Off Basic setting: On	Blocks manual commissioning for all device channels. Note: In the "Off" setting, the device cannot be reset to the factory setting.
Channel 1	Rocker switch, scene Basic setting: Rocker switch	Setting the buttons of the channel as channel buttons (rocker switch) or scene buttons (scene).
Channel 2	Rocker switch, scene Basic setting: Rocker switch	Setting the buttons of the channel as channel buttons (rocker switch) or scene buttons (scene).
Channel 3 *	Rocker switch, scene Basic setting: Rocker switch	Setting the buttons of the channel as channel buttons (rocker switch) or scene buttons (scene).
Channel 4 *	Rocker switch, scene Basic setting: Rocker switch	Setting the buttons of the channel as channel buttons (rocker switch) or scene buttons (scene).

#### Settings, channel/scene

Parameter name	Setting options, Basic setting	Explanations
Local Operation	On, Off Basic setting: On	Blocks the device channel for local operation.
Manual commissioning	On, Off Basic setting: On	Blocks manual commissioning for the device channel. Note: In the "Off" setting, the device cannot be reset to the factory setting.

Sum status / transmission repetitions	On, Off/Transmit 2x...11x, Off/Transmit 4x (without connection) Basic setting: On	On: The transmitter evaluates the received status messages and displays them as an overall status. If individual status messages fail, then the transmitter will repeat its telegram up to three times. Off/Transmit x times: The evaluation and display of the overall status is deactivated. The number of telegram repetitions is prescribed. In this setting, no transmission errors are displayed. Off/Transmit 4x (without connection): Reserved for sensors which transmit without a connection.
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Channel 3 and 4 are only for 4-channel hand-held transmitters

### 6.3 Troubleshooting

**After a button has been pressed, the status LED flashes red slowly for 3 seconds.**

Cause: Battery in the hand-held transmitter is almost empty.

Changing the battery (see chapter Commissioning - Inserting the battery).

**Receiver does not react, status LED displays a transmission error. Status LED flashes red quickly for 3 seconds.**

Cause 1: Radio range exceeded. Structural obstacles reduce the range.

Using a radio repeater.

Cause 2: Actuator is not ready for operation.

Check the actuator and mains voltage.

Cause 3: There are radio faults, e.g. through outside radio.

Eliminate radio interference.

**i** The actuator causing the transmission error can be removed from the display of transmission errors. To do this, briefly press the **Prog** button of the hand-held transmitter during signalling. The status LED is red. During this time, do not press any buttons on the hand-held transmitter. The actuator is automatically taken into account again when it transmits a status message after radio transmission.

#### Settings window

##### Device settings

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**Settings, channel/scene**

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Channel 3 and 4 are only for 4-channel hand-held transmitters

**6.4 Warranty**

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

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