

sygonix®

GB Operating instructions

RS2W radio remote control, 12 channels

Item no. 1761760 (white)

Item no. 1761761 (black)

Latest operating instructions

Download the latest operating instructions via the link www.conrad.com/downloads or scan the QR code shown. Follow the instructions on the website.



Explanation of symbols



An exclamation mark in a triangle indicates important instructions in this operating manual that absolutely have to be observed.



The arrow symbol indicates specific tips and advice on operation.

Delivery content

- RS2W wireless remote control
- Battery CR2032
- Operating instructions

Intended use

With the radio remote control suitable receivers of the RS2W radio system (or other consumers connected) can be switched on or off wirelessly. The operation of the radio remote control is via a battery of the type "CR2032".

A special feature gives the radio remote control via LED a feedback, whether the programmed radio receiver (max. 5 each per channel) of the RS2W radio system has received the key commands or not.

It is intended for indoor use only. Do not use it outdoors. Contact with moisture, e.g. in bathrooms, must be avoided under all circumstances.

For safety and approval purposes, you must not rebuild and/or modify this product. If you use the product for purposes other than those described above, the product may be damaged. In addition, improper use can cause hazards such as short circuiting, fire etc. Read the instructions carefully and keep them. Make this product available to third parties only together with its operating instructions.

This product complies with the statutory national and European requirements. All company names and product names are trademarks of their respective owners. All rights reserved.

Safety instructions



Read the operating instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

a) General

- The device is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. This may become dangerous playing material for children.
- Protect the product from extreme temperatures, direct sunlight, strong jolts, high humidity, moisture, flammable gases, vapours and solvents.
- Do not place the product under any mechanical stress.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. Safe operation can no longer be guaranteed if the product:
 - is visibly damaged,
 - is no longer working properly,
 - has been stored for extended periods in poor ambient conditions or
 - has been subjected to any serious transport-related stresses.
- Please handle the product carefully. Jolts, impacts or a fall even from a low height can damage the product.
- Also observe the safety and operating instructions of any other devices which are connected to the product.
- Do not use this product in hospitals or medical institutions. Although transmitters of the RS2W system only emit relatively weak radio signals, these may lead to the malfunctioning of life-support systems. The same may also apply to other areas.
- The product must not get damp or wet!
- Consult an expert when in doubt about operation, safety or connection of the device.

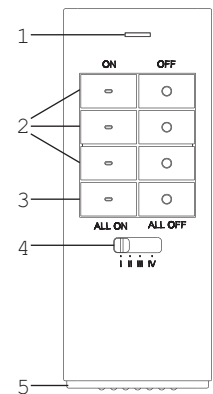
Maintenance, modifications and repairs are to be performed exclusively by an expert or at a qualified shop.

If you have questions which remain unanswered by these operating instructions, contact our technical support service or other technical personnel.

b) Batteries

- Correct polarity must be observed while inserting the batteries.
- Batteries should be removed from the device if it is not used for a long period of time to avoid damage through leaking. Leaking or damaged batteries might cause acid burns when in contact with skin, therefore use suitable protective gloves to handle corrupted batteries.
- Batteries must be kept out of reach of children. Do not leave batteries lying around, as there is risk, that children or pets swallow them.
- All batteries should be replaced at the same time. Mixing old and new batteries in the device can lead to battery leakage and device damage.
- Batteries must not be dismantled, short-circuited or thrown into fire. Never recharge non-rechargeable batteries. There is a risk of explosion!

Operating elements



- 1 LED (red/blue)
- 2 Button "ON" (power on) and "OFF" (power off) for 3 channels per level
- 3 Button "ALL ON" (all 3 channels of the current level power on) and "ALL OFF" (all 3 channels of the current level power off)
- 4 Slide switch to select the 4 levels (I, II, III, IV)
- 5 Removable battery holder (for a battery of the type "CR2032")

Inserting/replacing the battery

Delivery includes a CR2032 type battery. This is possibly already inserted in the battery compartment. A plastic protective strip between the battery and battery contacts here prevents premature discharge; remove it.

- To insert/replace the battery pull the battery holder (5) down and out.
- Then place a type CR2032 battery inside, observing the correct polarity. The positive pole of the battery has to be in the direction of "+" mark on the battery holder.

Slide the battery holder back in the correct orientation in the radio remote control.

A battery change is required if the range of the radio remote control decreases significantly or the LED (1) does not light up anymore when the buttons are pressed.

Operation

Keep between the radio remote control and the radio receiver used a minimum distance of 20 - 30 cm.

a) Reset the radio remote control

At initial startup, you should for each channel used (1, 2, ..., 11 or 12) perform a reset first, and only then program the radio receiver.

A reset also deletes all of the radio receivers programmed/saved on the respective channel.

The reset applies only to the respective individual channel - all other 11 channels are unimpaired!

Proceed as follows to perform a reset of a channel:

- First select the slide switch to the correct switching group (I, II, III, IV) for the selected channel to reset.
- Keep both buttons ("ON" and "OFF") of the corresponding channel pressed so long (about 3 seconds) until the LED (1) flashes red (then release buttons for 1 - 2 seconds).
- Once again keep both buttons ("ON" and "OFF") pressed (about 6 seconds) until the LED (1) flashes blue. Then release both buttons.



b) Programming a radio receiver on the radio remote control

→ At each channel of a radio transmitter of the RS2W radio system up to 5 different radio receivers (e.g. wireless switch socket) can be programmed. However, do not mix radio switch and dimmer.

- Switch the radio receiver of the RS2W radio system that you want to program on via its control button (see operating instructions for the radio receiver used).
- Choose a switch group (I, II, III, IV) with the slide switch.
- Keep both buttons ("ON" and "OFF") of each channel of the radio remote control pressed for so long (about 3 seconds) until the LED (1) flashes red.
- Press and hold the control button on the radio receiver until the programming in procedure on the radio remote control is completed. Here, the LED (1) lights up briefly blue and then goes out again.
- The radio receiver turns on to indicate the end of the programming in procedure.

→ 5 radio receivers have already been programmed at one of the 12 channels of the radio remote control, the LEDs light up during a teach in of another radio receiver as described above.

The radio receiver is not programmed and does not respond to key commands of the radio remote control.

c) Delete a radio receiver from the radio remote control

→ Proceed as in the programming process described before.

d) Turn on/off a programmed radio receiver

First, select the right level (I, II, III, IV) with the slide switch.

Briefly press the "ON" button of the desired channel of the radio remote control to turn on the programmed radio receivers. By briefly pressing the corresponding button "OFF" the programmed radio receiver is turned off.

→ If more than one radio receiver is programmed on the radio remote control (up to 5 per channel are possible), all radio receivers are on or off.

If the key command is identified by the radio receiver, it send the radio remote control a confirmation back; here the LED (1) lights up blue for the duration of 0.5 seconds. If there is no confirmation, the LED (1) of the radio remote control flashes red.

In this way you can always see if the radio receiver (e.g. a radio switch socket) has executed the command key or not.

→ If more than one radio receiver is programmed on the radio remote control (up to 5 per channel are possible), the LED only lights up blue when **all** radio receivers of the channel have recognized the key command and the radio remote control receives the confirmation.

With the "ALL ON" or "ALL OFF" button all devices to the 3 channels of the level, which is selected via the slide switch (I, II, III or IV) are turned on or off. In this way, up to 15 radio receivers (3 channels with max. 5 radio receivers) can simultaneously be switched on or off!

e) Operation of a dimmer

→ For the RS2W radio system a dimmer is also available (e.g. remote control socket with dimmer). Of course, this can be controlled via the radio remote control.

Refer to the instruction manual of the dimmer.

f) Deleting a defective/lost radio receiver, and then programming a new radio receiver

In case of a defective or lost radio receiver, of course it is no longer possible to delete from the radio remote control (see above under section c). A replacement radio receiver would not be registered.

Procedure 1:

- Press the "ON" (or "OFF") button for the relevant channel at least 20 times in a row, leaving a short pause of at least one second between each time the button is pressed.

- Hold down both buttons ("ON" and "OFF") simultaneously (for approx. 3 seconds) until the LED (1) flashes red (then let go of both buttons).

Now hold down the "ON" (or "OFF") button for the relevant channel (for approx. 6 seconds) until the LED (1) flashes blue. Then let go of the button again.

Procedure 2:

Run a reset on the radio remote control (see above under a). Here, however, all programmed radio receivers on the radio remote control will be erased and have to be reprogrammed.

Procedure 3:

If the radio remote control receives at least 20x no response to any key command from a radio receiver, it releases the internal memory used.

→ The memory is freed not deleted, but only to overwrite it with a new programming operation (see section b). As long as no new radio receiver is programmed, the data will be retained!

This prevents that a radio receiver that is temporarily not within reach (while you press 20x or more the "ON" - or "OFF" button), is deleted unintentionally. A successful confirmation sets this internal counter back.

Therefore, if a defective or lost radio receiver will be "deleted" this way, you press the "ON" (or "OFF") button at least 20x in succession and leave between each press a short break of at least one second.

Then the now shared memory can be used to program a new radio receiver (see section b).

→ If the defective/lost radio receiver is not replaced by another/new one, then you have to perform a reset as described in the "Procedure 1 or 2".

Reason is that the LED would not light blue on the remote control, since one of the registered radio receivers (the broken/lost one) sends the radio remote control no return signal to the successful receipt of the command button.

Alternatively, take the actions described in "Procedure 1" described above, in order to directly release the defective/lost radio receiver.

Range

The range of the transmission of radio signals between the radio remote control and the radio receivers under optimal conditions is up to 150 m.

→ This value, however, is the so-called "open space range" (the range when transmitter and receiver are visible to each other, without interfering influences).

In practice, however, there are walls, ceilings, etc. between the transmitter and receiver, thus the range is reduced accordingly.

Due to the different influences on the radio transmission, no specific range can be guaranteed. However, trouble-free operation is usually possible in a single family house.

Sometimes the range can be considerably reduced due to:

- Walls, reinforced concrete floors, drywall walls with metal frame construction
- Coated/metallised insulated glass
- Proximity to metallic & conductive objects (e.g. heating elements)
- Proximity to human bodies
- Other devices on the same frequency (e.g. wireless headphones, wireless speakers)
- Proximity to electric motors / appliances, transformers, power supplies, computers

Care and cleaning

- Apart from the occasional battery change, the product is maintenance-free.
- Clean the product with a soft, clean, dry cloth.
- Do not use aggressive cleaning agents or solvents since these damage the housing or the functioning may be impaired.

Declaration of Conformity (DOC)

Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau hereby declares that this product conforms to the 2014/53/EU directive.



Click on the following link to read the full text of the EU declaration of conformity: www.conrad.com/downloads

Select a language by clicking on a flag symbol and enter the product order number in the search box. You can then download the EU declaration of conformity in PDF format.

Disposal

a) Product



Electronic devices are recyclable waste and must not be disposed of in the household waste. At the end of its service life, dispose of the product according to the relevant statutory regulations.

Remove any inserted batteries and dispose of them separately from the product.

b) Batteries



You as the end user are required by law (Battery Ordinance) to return all used batteries. Disposing of them in the household waste is prohibited.

Contaminated batteries are labelled with this symbol to indicate that disposal in the domestic waste is forbidden. The designations for the heavy metals involved are: Cd = Cadmium, Hg = Mercury, Pb = Lead (name on batteries, e.g. below the trash icon on the left).

Used batteries can be returned to collection points in your municipality, our stores or wherever batteries are sold.

You thus fulfil your statutory obligations and contribute to the protection of the environment.

Technical data

Power supply 1x battery type "CR2032"

Transmission frequency 868.000 - 868.600 MHz

Transmission range max. 150 m (in open area)

Transmission power <14 dBm

Channels 12 (4 levels each with 3 channels each)

Number of receivers max. 5 per channel

Operating environment 0 to +45 °C,
0 - 90 % RH (non-condensing)

Dimensions (L x W x H) 95.5 x 37 x 11.5 mm

Weight approx. 27.5 g (without battery)

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