

sygonix®

GB Operating instructions

RSL wireless socket dimmer set

Item no. 1761736

RSL wireless socket dimmer

Item no. 1762767

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



The lightning symbol inside a triangle is used when there is a potential risk of personal injury, such as electric shock.



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

- RSL wireless socket dimmer (item no. 1761736 + 1762767)
- Remote control (item no. 1761736)
- Battery (item no. 1761736)
- Operating instructions

Intended use

This wireless plug-in dimmer switch is intended for turning connected on or off consumer loads, either manually, via a push button on the device, or via a suitable remote switch. Furthermore, the wireless plug-in dimmer switch or the consumer connected to it (lamp) can also be dimmed with a suitable wireless transmitter (e.g. wireless hand-held transmitter).

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, electric shock 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.

- Check the product for damage before each use! If you notice any damage, do not use the product any longer! There is a risk of a life-threatening electric shock!

- Ensure that the insulation for the entire product is neither damaged nor destroyed. Never disassemble the product! The casing does not contain any serviceable parts.

- Do not use this product in hospitals or medical institutions. Although the product emits only relatively weak radio signals, these may lead to the malfunction of life-support systems. The same may possibly be the case in other areas.

- Keep the product away from strong magnetic fields occurring near machines, electric motors or loudspeakers.

- The wireless plug-in dimmer is designed in accordance with protection class I. Only a standard mains socket (230V/AC, 50Hz with protective earth) for the public supply grid may be used as the power source for the wireless plug-in dimmer switch.

- The power socket in which the switch socket is plugged must be easily accessible.

- The handheld transmitter is powered by a 12 V battery (type "23 A").

- The wireless plug-in dimmer switch is not suitable for connection to inductive consumers.

- The product is equipped with an enhanced protection against accidental contact. An integrated mechanism will release the holes of the receptacle only, if the two prongs of a power plug are inserted into the two holes at once.

- Take special caution when children are around. Children cannot recognize the danger arising from the incorrect use of electrical devices. There is a risk of a life-threatening electric shock!

- The wireless remote control and the wireless plug-in dimmer switch are only intended for use in dry indoor locations.

- Never touch the product and the mains plug, when it is plugged into the mains socket, with wet or damp hands when trying to connect to the wireless plug-in dimmer switch. There is a risk of a lethal electric shock!

- Never remove a mains plug from the wireless plug-in dimmer switch by pulling on the power cable. Always pull the plug from the socket, in the wireless plug-in dimmer switch, using the gripping surface provided on the side.

- Do not put more than one adaptor onto the unit!

- The unit is only without current, when the main plug is disconnected from the outlet.

- Do not overload the wireless plug-in dimmer switch (take note of the input power in the technical data at the end of the operating manual!).

- The mains socket to which you connect the device must be easily accessible.

- If the product casing is damaged, do not use the product any more! When it is connected to the mains, do not touch the wireless plug-in dimmer switch or the connected device! First of all, disconnect all pins of the mains socket, to which the radio-controlled socket dimmer is connected (disable the associated Miniature Circuit Breaker (MCB) and Residual Current Operated Circuit Breaker (RCCB)). You can then remove the wireless plug-in dimmer switch from the mains socket. Take the product to a specialist workshop or dispose of it in an environmentally friendly way.

- 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.

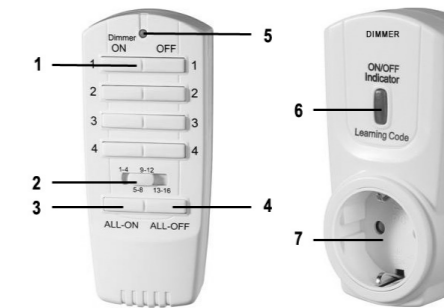
b) Batteries

- Correct polarity must be observed while inserting the battery.
- The battery 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.

- 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 **Keypad** for switching channels 1 to 4 (left column "ON" = on, right column "OFF" = off).

- 2 **Selector switch for switching group**

A total of 16 radio receivers (e. g. radio controlled sockets can be connected). The 16 radio receivers are categorised into 4 switching groups; switching groups: 1-4, 5-8, 9-12 as well as switching group 13-16.

- 3 **"ALL-ON" button**
Pressing this button activates all recognized receivers.

- 4 **"ALL-OFF" button**
Pressing this button deactivates all recognized receivers.

- 5 **Control LED** (lights up when the buttons are used).

- 6 **Button/LED "ON/OFF/INDICATOR"**

By using this button, the radio controlled socket can be activated or deactivated manually. This button also serves as the programming button.

- 7 **Front socket** for connecting a consumer load.

Inserting/replacing the batteries

Open the battery compartment on the back of the handheld radio transmitter and insert a 12 V-battery (type "23 A") with the correct polarity (pay attention to the diagram in the battery compartment). Close the battery compartment.

- The batteries need to be replaced if the range of the handheld radio transmitter is significantly reduced or the control LED (5) no longer lights when the buttons are used.



Programming the wireless plug-in dimmer switch to recognise a wireless transmitter

- Set the switching group on the remote control, i.e. the one to which the wireless plug-in dimmer switch is to be programmed, using the "Selector switch for switching group" (2).

→ **A total of 4 receivers can be programmed for each switching group.**

- Plug the wireless plug-in dimmer switch into a standard 230 V/AC, 50 Hz household socket. The LED "ON/OFF/INDICATOR" (6) starts to blink.
- Press the ON button for the desired switching channel on the radio transmitter, i.e. that to which you want to program the wireless plug-in dimmer switch before the "ON/OFF/INDICATOR" LED (6) stops blinking. The red "ON/OFF/INDICATOR" LED (6) is on. The programming has been completed successfully.

Programming the wireless plug-in dimmer switch socket to recognise several radio transmitters

→ **Up to 10 radio channels can be programmed for the wireless plug-in dimmer switch.**

- Set the switching group on the remote control, i.e. the one to which the wireless plug-in dimmer switch is to be programmed, using the "Selector switch for switching group" (2).

→ **A total of 4 receivers can be programmed for each switching group.**

- Plug the wireless plug-in dimmer switch into a standard 230 V/AC, 50 Hz household socket and press the button "ON/OFF/INDICATOR" (6) until the LED starts to flash red.
- Press the ON button for the desired switching channel on the radio transmitter, i.e. that to which you want to program the wireless plug-in dimmer switch before the "ON/OFF/INDICATOR" LED (6) stops blinking. The LED is on. The programming has been completed successfully.

Deleting programmed wireless plug-in dimmer switches from a radio transmitter

- Press the ON and OFF buttons simultaneously, for the switching channel to which the radio controlled socket is programmed. The "ON/OFF/INDICATOR" LED (6) begins to blink.
- Now, press the "ALL-ON" (3) button and the "ALL-OFF" (4) button simultaneously. The "ON/OFF/INDICATOR" LED (6) goes out. All wireless plug-in dimmer switches have been deleted successfully from the remote control.

→ **To delete a single wireless plug-in dimmer switch, press the corresponding OFF button for the switching channel, to which the wireless plug-in dimmer switch was programmed, instead of pressing the buttons "ALL-ON" (3) and "ALL-OFF" (4).**

Start-up, function test

- Set the correct switching group on the remote control, using the "Selector switch for switching group" (2).
- Plug the wireless plug-in dimmer switch (without the consumer load connected!) into the designated earthed mains socket.

You can now test the function of the wireless plug-in dimmer switch, by briefly pressing the respective ON button for the corresponding switching channel. The red "ON/OFF/INDICATOR" LED (6) flashes. The LED "ON/OFF/INDICATOR" (6) on the front is now activated; the mains voltage is available and a connected consumer load is turned on.

- Briefly press the OFF button for the switching channel and the "ON/OFF/INDICATOR" LED (6) goes out; the mains voltage to the front socket (7), and thus the connected consumer load, is turned off.

Operation

- Connect a consumer load to the front socket (7).



Please consult the section "Technical data" for the permissible maximum power.

- By using the respective "ON" or "OFF" button for the switching channel on the handheld radio transmitter, the wireless plug-in dimmer switch set to the same switching channel is turned on (the LED "ON/OFF/INDICATOR" (6) lights up) or off (the LED "ON/OFF/INDICATOR" (6) goes out).
- The wireless plug-in dimmer switch can be switched on or off manually using the "ON/OFF" button (1) located on the front.

Dimmer function

- Switch the dimmer on, by briefly pressing the ON button for the corresponding switching channel once.
- Press the ON button for the corresponding switching channel on the wireless transmitter. The dimmer function starts.
- Press the ON button for the corresponding switching channel on the wireless transmitter. The dimmer function stops.

Range

- The range of the radio signals between the hand-held radio transmitter and the radio controlled sockets is up to 70 m under optimum conditions.

→ **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 practical operation, however, there are walls, ceilings of rooms etc. between the transmitter and the receiver, which reduce the range accordingly.

Due to the different influences on the radio transmission, no specific range can be guaranteed.

Nevertheless, trouble-free operation in a single-family home is usually possible.

The range can sometimes be limited considerably by:

- Walls, reinforced concrete ceilings
- Coated/metallised insulated glass
- Proximity to metal & conducting objects (e.g. radiators)
- Proximity to human bodies

- Broadband interferences, e.g. in residential areas (DECT telephones, mobile phones, radio-controlled headphones, radio-controlled speakers, radio-controlled weather stations, baby phones etc.)
- Proximity to electric motors, transformers, power-supply units, computers
- The proximity to improperly shielded or uncovered operating computers or other electric appliances

Care and cleaning

- The product does not require any maintenance and should never be opened or disassembled for any reason.
- Remove the connected consumer loads from the wireless plug-in dimmer switch and remove it from the mains socket before cleaning the product.
- Only clean the product with a soft, clean, dry cloth. Never use aggressive cleaning agents or chemical solutions since these might damage the surface of the casing or impair the operation.

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

a) Wireless handheld transmitter

Power supply1x 12 V battery type "23 A"
Transmission frequency.....433.05 - 434.79 MHz
Transmission rangemax. 70 m (in open area)
Transmission power.....<10 dBm
LED.....Lights up briefly, when the buttons are used

Switching groups4
Programmable receivers or number of switching channels ..16
Operating temperature0 to +35 °C
Dimensions (L x W x H).....approx. 105 x 43 x 22 mm
Weightapprox. 45 g (excl. batteries)

b) Wireless plug-in dimmer switch

Operating voltage230 V/AC, 50 Hz
Connected powermin. Ohm resistive load 40 W
max. Ohm resistive load 300 W
NOT SUITABLE FOR INDUCTIVE CONSUMER LOADS
Receiving frequency433.05 - 434.79 MHz
Receiving range.....max. 70 m (in open area)
Protection classI
LED.....Lights up, when the mains socket/consumer load is activated
Operating temperature0 to +35 °C
Dimensions (L x W x H).....approx. 116 x 58 x 73 mm
Weightapprox. 131 g

This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This publication represent the technical status at the time of printing.

Copyright 2021 by Conrad Electronic SE.
*1761736_1762767_V3_0421_02_mxs_m_en