



Sygonix 2612391 LED Strip Basic Set Instruction Manual

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Operating Instructions
LED strip, 3 m, warm white, dimmable
Item no. 2612391

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2612391 LED Strip Basic Set

Intended use

This product is designed for use as a decorative indoor lamp. The white SMD LEDs can be switched on and off using the remote control provided. The LED strip is powered by a 12 V/DC voltage. It must only be operated with the power adapter provided. The LEDs are dimmable.

The LED strip can be shortened and secured to different types of surface using self-adhesive tape. The product must be mounted in a position that protects it against moisture, dirt and heat.

It is designed to be mounted on a floor, wall or ceiling.

This product 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. Using the product for purposes other than those described above may damage the components. In addition, improper use can cause hazards

such as short circuits, fire and electric shocks. Read the instructions carefully and store them in a safe place. Make this product available to third parties only together with its operating instructions.

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

Package contents

- LED strip
- Remote control (with CR2025 battery)
- Control unit
- Power adapter
- Accessory set (2x screws, 3M Tape, 4x connection cables, 8x plugs)
- Operating instructions












<http://www.conrad.com/downloads>

Up-to-date operating instructions

Download the latest operating instructions at www.conrad.com/downloads or scan the QR code on this page. Follow the instructions on the website.

Explanation of symbols

	The symbol with the lightning in the triangle is used if there is a risk to your health, e.g. due to an electric shock.
	This symbol is used to highlight important information in these operating instructions. Always read this information carefully.
	This symbol indicates special information and advice on how to use the product.
	The product must only be installed and used in dry, enclosed indoor locations. This product must not become damp or wet, as this may result in a fatal electric shock!
	This symbol indicates that this product is built according to protection class II. The product is equipped with reinforced or dual insulation between the mains circuit and the output voltage.
	The device was constructed according to protection class III. Protection class III includes electrical products with a low voltage power supply (< 50 Volts) using a safety transformer or batteries/rechargeable batteries/solar power etc. Products in protection class III have no connection for protective insulation – they must not be connected to the protective earth.
	This symbol indicates that a safety transformer is built into the product according to the VDE 0551 guidelines.
	Independent converter. The converter is designed to operate lights without additional covers or safety measures.
	This symbol reminds you to read the operating instructions included with the product.

CE Safety information



Read the operating instructions and safety information carefully. 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 information

- This product is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly, otherwise it 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, stop using it and prevent unauthorized 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 stress.
- Always handle the product carefully. Jolts, impacts or a fall even from a low height may damage the product.
- Refer to the safety information and operating instructions for other devices (such as remote-controlled sockets, timers etc.) when connecting the product to such devices.
- Consult a technician if you are not sure how to use or connect the product.
- Maintenance, modifications and repairs must be done by a technician or an authorized repair centre.
- If you have questions which remain unanswered by these operating instructions, contact our technical support service or other technical personnel.
- Warning, LED light:
 - Do not look directly at the LED light!
 - Do not look into the beam directly or with optical instruments!

b) Persons and product

- Before connecting the product to the mains, check that your local A/C mains voltage matches the specifications on the nameplate. Never try to operate the light using another type of voltage, as this may destroy the product.
- Never cover the product. The surface may get hot during use; covering the product not only constitutes a fire hazard but may also cause it to overheat, which could damage the components.
- Keep the product away from flammable materials and objects.
- Do not hang or secure any objects (e.g. decorations) to the product.
- Do not mount and use the product in rooms or in adverse environmental conditions that contain or may contain flammable gases, vapours or dust! There is a risk of explosion.
- The LED strip is constructed according to protection class III.
- The LED strip is not designed for use with an alternating current (transformers).
This may destroy the product!
- Do not place mechanical loads onto the components of the LED strip.
- Never pour any liquids over electrical products or put objects filled with liquid right next to the product. If liquid or an object does enter the interior of the product, power down the respective socket (e.g. switch off circuit breaker) and then unplug the mains plug. Discontinue use and take the product to a specialist repair centre.
- Never use the product immediately after it has been brought from a cold room into a warm one. The condensation generated could destroy the product. The power adapter may also generate a fatal electric shock! Allow the product to reach room temperature before connecting it to an appliance. This may take several hours.
- Do not touch the power adapter if there are any signs of damage, as this may cause a fatal electric shock! First, switch off the mains voltage to the socket to which the mains adapter is connected (switch off at the corresponding circuit breaker, remove the safety fuse, or switch off at the corresponding RCD protective

switch), and then unplug the power cable from the mains socket. Dispose of the faulty power adapter in an environmentally friendly manner and discontinue use.

Replace it with a power adapter of the same design.

- The electrical outlet must be located in direct proximity to the product and should be easily accessible.
- Only use the power adapter that came with the product.
- The power adapter must never be plugged in or disconnected when your hands are wet.
- Never unplug the power adapter from the mains socket by pulling on the cable; always use the grips on the plug.
- When setting up the product, ensure that the cable is not pinched, kinked or damaged by sharp edges.
- Always lay cables so that nobody can trip over or become entangled in them, as this poses a risk of injury.



- For safety reasons, disconnect the power unit from the mains socket during storms.
- Always comply with the accident prevention regulations for electrical equipment when using the product in industrial facilities.



c) Battery

- Make sure that the polarity is correct when inserting the battery.
- To prevent battery leakage, remove the battery if you are not going to use the device for a prolonged period. Leaking or damaged batteries may cause acid burns if they come into contact with skin. Always use protective gloves when handling damaged batteries.
- Batteries must be kept out of the reach of children. Do not leave batteries lying around, as there is a risk that children or pets may swallow them.
- Batteries must not be dismantled, short-circuited or thrown into fire. Never attempt to charge non-rechargeable batteries, as this may result in an explosion.

Operating elements



1. LED strip (rolled)
2. Power adapter
3. Infrared sensor (with connection cable)
4. Remote control

Preparation for mounting



Pay attention to the “Safety instructions” section.

- Mount the product so that children cannot reach it.
- Only mount the product on a stable surface. Attach the LED strip (1) to a metal surface to ensure that it can cool down sufficiently.
- Never install the product in areas containing explosive, flammable or corrosive chemicals.



The product is powered by a 12 V/DC voltage. Never use a higher or alternating voltage.

Mounting and connection



Read the information in the “Preparation for mounting” section.

a) Securing the infrared sensor

- Ensure that the control unit (3) is placed near to a mains socket.
→ Ensure that the infrared sensor is not hidden or covered, otherwise the LED strip (1) may not respond to the remote control commands.
- The infrared sensor can be mounted using the adhesive tape on the rear of the sensor.
- Remove the protective film from the back of the sensor.
- Attach the sensor to the mounting surface. Ensure that you secure the sensor to a clean surface that is free from grease, oil, silicon and dirt.

b) Securing the LED strip



The conductors must not be damaged or interrupted when mounting the LED strip!

When mounting the LED strip on metal surfaces, the mounting surface should be isolated from the LED strip (1) to prevent short circuits on exposed solder contacts.

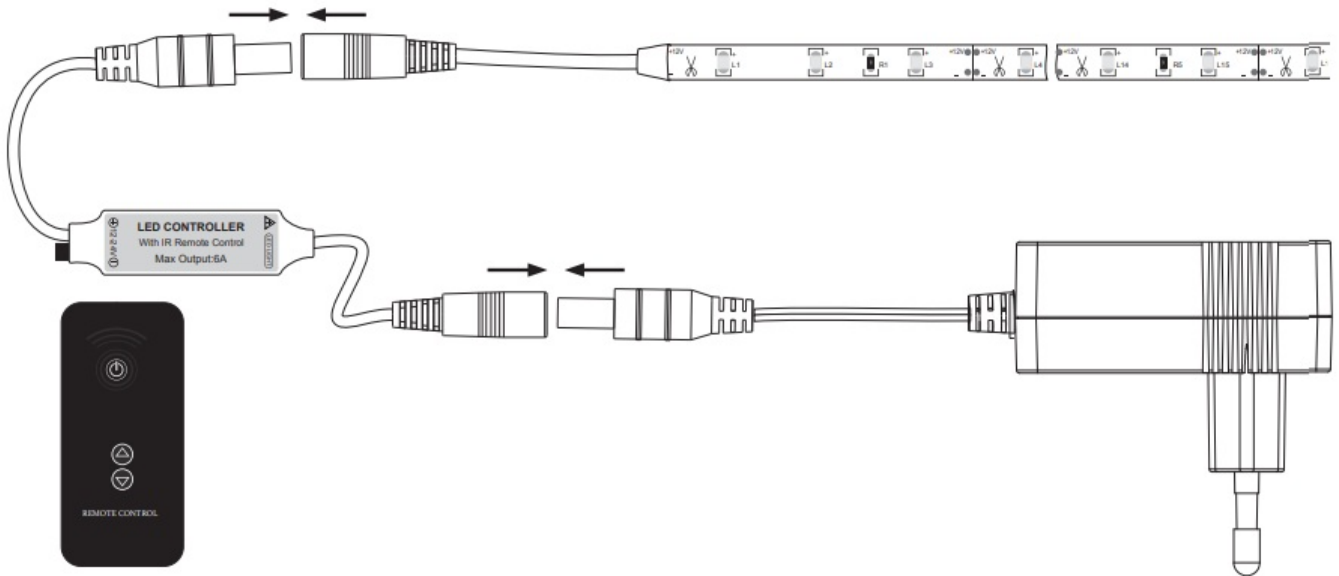
Take precautions against electrostatic discharge (ESD) when mounting the product.

- The LED strip can be mounted using the adhesive tape on the rear of the strip. Start by mounting the LED strip at one end.
- Peel off approximately 30 cm of protective film on the back of the LED strip.
- Attach the LED strip to the mounting surface. Ensure that you secure the LED strip to a clean surface that is free from grease, oil, silicon and dirt.
- Repeat this step until the LED strip is fully secure.
→ **ATTENTION!** Do not bend the LED strip! This can damage the soldered joints.
- To shorten the LED strip, separate the strip at the marked points using a pair of scissors, a wire cutter or other

similar tool. Alternatively, use a box cutter to score along each side of the marked separation points, and then carefully separate the LED strip.

Operation

Connection diagram



- To use the LED strip (1), insert the connector on the infrared sensor cable into the socket on the LED strip.
- Plug the power adapter (2) into a mains socket, and then insert the connector on the power adapter (2) into the socket on the infrared sensor cable.
- Do not cover the infra-red sensor (3) on the top of the product with opaque objects.
- Turn the LED strip on and off using the remote control. Refer to “Using the remote control” for detailed instructions on how to use the remote control.



Using the remote control

a) Inserting/changing the remote control battery

→ Only replace the battery with a battery of the same type (see “Technical data”).

- Remove the transparent plastic film in the battery compartment before using the remote control for the first time.
- If the remote control no longer functions properly or the range decreases, replace the battery with a new battery of the same type.
- Slide the lock on the end of the battery holder to the right, and then remove the battery holder. Pay attention to the diagrams on the back of the remote.
- Remove the old battery.
- Insert a new 3 V CR2025 button cell battery with correct polarity into the battery holder (observe the plus/+ and minus/- signs on the battery holder).
- Slide the battery holder back into the correct position. Ensure that it clicks into place properly.

b) Using the remote control to operate the LED strip

- You can control the LED strip using the remote control (4). To turn off the LED strip, point the infrared sensor on the remote control at the infrared sensor (3) on the LED strip, and then press the button. The wave symbol on the top of the remote control should point at the infrared sensor. To turn on the LED strip, press the button.
- Press the  button to increase the brightness.
- Press the  button to decrease the brightness.

Care and cleaning

- This product does not require maintenance. The SMD LEDs are not replaceable.
- Regularly check the product for signs of damage, e.g. damage to the coating of the LED strip or the housing.
- Always disconnect the product from the power supply before cleaning it. Before cleaning, unplug the power adapter from the mains socket and let the product cool down.
- Do not immerse the product in water.
- Use a dry, lint-free cloth to clean the product.

Disposal

a) Product



This symbol must appear on any electrical and electronic equipment placed on the EU market. This symbol indicates that this device should not be disposed of as unsorted municipal waste at the end of its service life. Owners of WEEE (Waste from Electrical and Electronic Equipment) shall dispose of it separately from unsorted municipal waste. Spent batteries and accumulators, which are not enclosed by the WEEE, as well as lamps that can be removed from the WEEE in a non-destructive manner, must be removed by end users from the WEEE in a non-destructive manner before it is handed over to a collection point. Distributors of electrical and electronic equipment are legally obliged to provide free take-back of waste. Conrad provides the following return options free of charge (more details on our website):

- in our Conrad offices
- at the Conrad collection points
- at the collection points of public waste management authorities or the collection points set up by manufacturers or distributors within the meaning of the ElektroG End users are responsible for deleting personal data from the WEEE to be disposed of.

It should be noted that different obligations about the return or recycling of WEEE may apply in countries outside of Germany.

b) (Rechargeable) batteries

Remove batteries/rechargeable batteries, if any, and dispose of them separately from the product. According to the Battery Directive, end users are legally obliged to return all spent batteries/rechargeable batteries; they must not be disposed of in the normal household waste.



Batteries/rechargeable batteries containing hazardous substances are labelled with this symbol to indicate that disposal in household waste is forbidden. The abbreviations for heavy metals in batteries are: Cd = Cadmium, Hg = Mercury, Pb = Lead (name on (rechargeable) batteries, e.g. below the trash icon on the left). Used (rechargeable) batteries can be returned to collection points in your municipality, our stores or wherever (rechargeable) batteries are sold. You thus fulfil your statutory obligations and contribute to environmental protection.

Batteries/rechargeable batteries that are disposed of should be protected against short circuit and their exposed terminals should be covered completely with insulating tape before disposal. Even empty batteries/rechargeable batteries can contain residual energy that may cause them to swell, burst, catch fire or explode in the event of a

short circuit.

Technical data

This product contains a light source of energy efficiency class G.

a) LED strip

Total power consumption 4.6 W/m
Illuminant 90 LEDs (M) SMD 2835
Luminous flux 390 lm/m
Colour temperature 3500 K (warm-white)
Operating/storage conditions 0 to +45 °C, 0 – 90 % RH (non-condensing)
Length..... 3 m
Dimensions 10 x 3 mm
Weight 68 g (without plastic shell) 83 g (with plastic shell)

b) Power adapter

Input voltage/current 220 – 240 V/AC, 50 / 60 Hz
Output voltage/current 12 V/DC, 1.5 A

c) Remote control

Battery CR2025
IR range 6 m
Viewing angle 120°
Dimensions (W x H x D) 85 x 40 x 6 mm
Weight Approx. 13 g

d) DIY Cable

Cable length 10 cm
Weight Approx. 10 g


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Documents / Resources

	<p>Sygonix 2612391 LED Strip Basic Set [pdf] Instruction Manual 2612391, LED Strip Basic Set, Basic Set, LED Strip Basic, LED Strip, Strip Basic, Strip</p>
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References

- [Conrad Electronic » Your Sourcing Platform](#)
- [Document](#)