

User Manual



LED Puck ONE

LED Effect

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1 General information

This document contains important instructions for the safe operation of the product. Read and follow the safety instructions and all other instructions. Keep the document for future reference. Make sure that it is available to all those using the product. If you sell the product to another user, be sure that they also receive this document.

Our products and documentation are subject to a process of continuous development. They are therefore subject to change. Please refer to the latest version of the documentation, which is ready for download under www.thomann.de.

1.1 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this document.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.
Warning signs	Type of danger
	Warning – high-voltage.
	Warning – dangerous optical radiation.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended for use as an electronic lighting effect by means of LED technology. The device is designed for professional use only and is not suitable for use in households. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.



Extend the operating life of the device by regular breaks and by avoiding frequent switching on and off. The device is not suitable for continuous operation.

Safety



DANGER!

Risk of injury and choking hazard for children!

Children can suffocate on packaging material and small parts. Children can injure themselves when handling the device. Never allow children to play with the packaging material and the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision. Keep small parts away from children and make sure that the device does not shed any small parts (such knobs) that children could play with.



DANGER!

Danger to life due to electric current!

Within the device there are areas where high voltages may be present. Never remove any covers. There are no user-serviceable parts inside. Do not use the device when covers, safety equipment or optical components are missing or damaged.



WARNING!

Risk of eye damage caused by high light intensity!

The device generates highly intense light radiation. Looking directly into the light source can damage the eyes. Never look directly into the light source.



NOTICE!

Risk of fire due to covered vents and neighbouring heat sources!

If the vents of the device are covered or the device is operated in the immediate vicinity of other heat sources, the device can overheat and burst into flames. Never cover the device or the vents. Do not install the device in the immediate vicinity of other heat sources. Never operate the device in the immediate vicinity of naked flames.



NOTICE!

Damage to the device if operated in unsuitable ambient conditions!

The device can be damaged if it is operated in unsuitable ambient conditions. Only operate the device indoors within the ambient conditions specified in the "Technical specifications" chapter of this user manual. Avoid operating it in environments with direct sunlight, heavy dirt and strong vibrations. Avoid operating it in environments with strong temperature fluctuations. If temperature fluctuations cannot be avoided (for example after transport in low outside temperatures), do not switch on the device immediately. Never subject the device to liquids or moisture. Never move the device to another location while it is in operation. In environments with increased dirt levels (for example due to dust, smoke, nicotine or mist): Have the device cleaned by qualified specialists at regular intervals to prevent damage due to overheating and other malfunctions.

**NOTICE!****Damage to the external power supply due to high voltages!**

The device is powered by an external power supply. The external power supply can be damaged if it is operated with the incorrect voltage or if high voltage peaks occur. In the worst case, excess voltages can also cause a risk of injury and fires. Make sure that the voltage specification on the external power supply matches the local power grid before plugging in the power supply. Only operate the external power supply from professionally installed mains sockets that are protected by a residual current circuit breaker (FI). Ensure that the power cord plug is easily accessible at all times if it is the only device to safely disconnect the device from the mains supply. As a precaution, disconnect the power supply from the power grid when storms are approaching or if the device will not be used for a longer period.

**NOTICE!****Damage to the device due to use of unsuitable external power supplies!**

If the device is operated with an unsuitable external power supply, the device can be damaged by overvoltage or incorrect polarity. If things go badly, using an unsuitable power supply can also cause a risk of injury and fire. Only use the external power supply designated for the device or an equivalent external power supply with identical parameters. If in doubt, compare the voltage specifications on the external power supply and the polarity (+/-) with the specifications in this manual and printed on the device. Voltage and polarity must always match.

**NOTICE!****Possible property damage to sensitive devices due to magnetic fields.**

A strong magnet is built into the base of the device. This magnet can impair the function of sensitive objects and devices and damage them in unfavourable cases. Do not use the LED lamp in the immediate vicinity of electromagnetically sensitive objects and devices (e.g. pacemakers, credit cards).

**NOTICE!****Fire hazard due to burning glass effect of the optical lenses!**

The optical lenses of the device focus the light and can act like burning glass when exposed to sunlight. Keep unmounted optical lenses away from direct sunlight. Never leave lenses lying around in the open.



Use the device only in areas where 2.4 GHz radio transmission is permitted.

3 Features

The LED Puck ONE lighting system produces impressive lighting effects and is ideal for mobile use.

- Interchangeable lenses (effect and frost filters) included in the scope of delivery
- 20 internal programs with fixed or changing colours
- Sound control
- 4-Group Assignment
- Control via remote control (not included in all sets)
- Upright mounting, via magnet or M6 thread on the bottom of the device
- Power supply via USB power supply (not included in all sets) or power bank (optionally available)

For technological reasons, the light output of LEDs decreases over their lifetime. This effect increases with higher operating temperature. You can extend the service life of the illuminants by providing adequate ventilation and operating the LEDs with the lowest possible brightness.

The LED Puck ONE product series comprises the following sets with different delivery scopes:

Item no.	Name
457181	Fun Generation LED Puck ONE Set of 2
457182	Fun Generation LED Puck ONE Set of 4
457183	Fun Generation LED Puck ONE Single Unit

4 Installation and starting up

Mounting options

You can mount the device in three different ways:

- Standing on a smooth surface
- Fixing by magnet
- M6 inner screw thread (thread depth 6 mm)

Connecting the LED light

The device is powered by the USB power supply or a power bank. Connect a maximum of 2 devices per USB port (max 4 devices per splitter).

Establishing radio connection with remote control and assigning group

You can remotely control one or more LED lights. First assign the device to the remote control (pairing).

- 1.** ▶ The remote control is in sleep mode by default. Press any button on the remote control to activate the remote control.
 - ⇒ The remote control activates for 5 minutes. It can now receive and send radio signals.
- 2.** ▶ Connect the LED light to a USB power source.
 - ⇒ The number of the respective set group flashes on the remote control.
- 3.** ▶ To change the assignment of the group, press *[GROUP]* repeatedly on the remote control until the number of the desired group lights up.
 - ⇒ The LED lights flash blue.

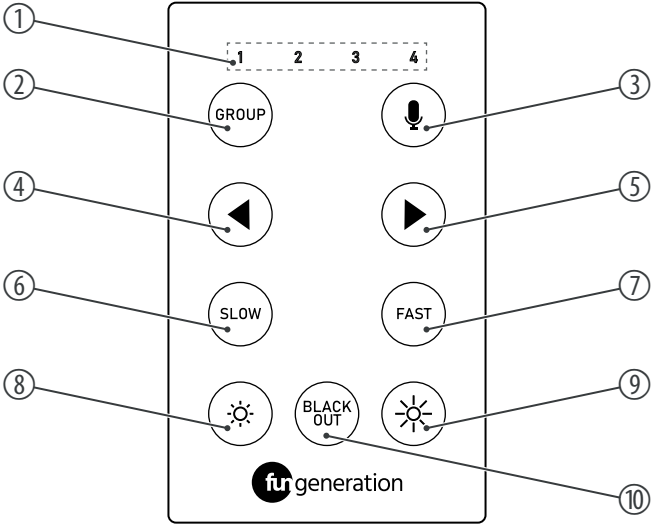
After 5 seconds, the mode for assigning a group will automatically switch off. The device is operational in the selected group.





*When delivered, the device is already paired with the remote control.
Only one remote control can be connected to the LED lights.*

5 Operation

5.1 Remote control



	Button	Function
1, 2	1, 2, 3, 4 / [GROUP]	You can control up to four groups separately or together. Press [GROUP] repeatedly to select the group to control. The numbers 1...4 are backlit in red and show the selected group. Hold down [GROUP] to control all groups simultaneously.
3	⏸	Press  to enable the sound control. Press  again to disable sound control again.
4	<	Press < to select a pre-programmed static colour or effect. Press and hold < to activate preset 1. Preset 1...14: static colours Preset 15...20: pre-programmed colour changes or sequences
5	>	Press > to select a pre-programmed static colour or effect. Press and hold > to activate preset 20. Preset 1...14: static colours Preset 15...20: pre-programmed colour changes or sequences
6	[SLOW]	Press [SLOW] to decrease the flash frequency of the respective static colour (preset 1...14) or the speed of the respective programme (Preset 15...20). Hold down [SLOW] to pause the flash effect of a static colour or programme.

	Button	Function
7	[FAST]	Press [FAST] to increase the flash frequency of the respective static colour (preset 1...14) or the speed of the respective programme (Preset 15...20). Hold down [FAST] to trigger the maximum frequency of the flash effect of a static colour or programme sequence.
8	✧	Press ✧ to reduce the brightness in increments of 20%.
9	✧	Press ✧ to increase the brightness in increments of 20%.
10	[BLACKOUT]	Press [BLACKOUT] to blackout the light. The lights are still in ON state during the blackout.

5.2 Colours and programmes

Number	Programme		Number	Programme
1	White		11	Magenta
2	Red		12	Pastel red
3	Orange		13	Pastel green
4	Yellow		14	Pastel blue
5	Light green		15	Blue, red
6	Cyan		16	Magenta, white
7	Cyan blue		17	White, blue
8	Blue		18	Pastel red, pastel green, pastel blue
9	Blue-magenta		19	Yellow, magenta, blue
10	Magenta		20	Rainbow colours

5.3 Changing the lens

The device is delivered with optical lenses (effect lens, 50° beam angle, and frost filter, 160° beam angle). You can change the lens of the device for a different effect. Proceed as follows to change the lenses:

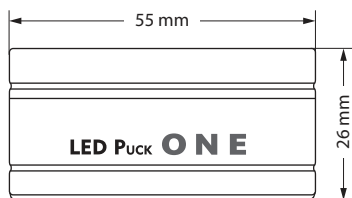
1. ▶ Turn the aluminium ring on the top of the device anti-clockwise.
2. ▶ Remove the existing lens and insert another lens.



With the effect lens, make sure that the smooth side of the lens faces the device and the fluted side is on the outside.

3. ▶ Turn the aluminium ring on the top of the device clockwise to close the device again and attach the lens.

6 Technical specifications



Light source		1 × RGBW LED, 12 W
Light source properties	Colour temperature	White: 8000 K
Optical properties	Beam angle	Effects lens: 50°
		Frost filter 160°
Control		Infrared remote control
Input connections	Power supply	USB port for connecting a power supply or power bank
Power supply		External power adapter, 100 - 240 V ~ 50/60 Hz
Operating voltage/current		5 V $\overline{\text{=}}$ / min. 500 mA
International Protection Rating		IP60
Mounting options		Upright
		Magnet
		M6 inner screw thread (thread depth 6 mm)
Dimensions (Ø × H)		55 mm × 26 mm
Weight		96 g

Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	20%...80% (non-condensing)

7 Troubleshooting

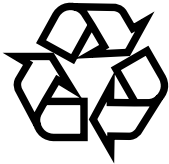
In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
The device can not be controlled with the remote control.	Light and remote control are not paired. Pair the device with the remote control.
	The light is in the wrong group. Select the correct group.
The light does not turn on.	The light is not connected to the power supply. Connect the light to the USB power supply or to a power bank.
	Battery of the power bank is empty. Charge the power bank.
	Blackout is activated. Press <i>[BLACKOUT]</i> again or ✨.
The light flickers.	The light is in sound-controlled mode. Press 🎤 to end the sound control.
	Too many lights are connected to one USB mains adapter. Only connect a maximum of 2 lights per USB output to the power supply. CAUTION: If more than 2 lights are connected to one USB output, the USB power supply will get damaged.
The flashes flashes.	Hold down <i>[SLOW]</i> to pause the flash effect.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at www.thomann.de.

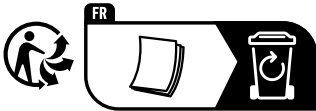
8 Protecting the environment

Disposal of the packing material



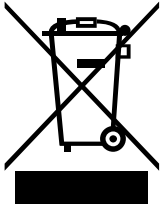
Environmentally friendly materials have been chosen for the packaging. These materials can be sent for normal recycling. Ensure that plastic bags, packaging, etc. are disposed of in the proper manner.

Do not dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the instructions and markings on the packaging.



Observe the disposal note regarding documentation in France.

Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) as amended.

Do not dispose of your old device with your normal household waste; instead, deliver it for controlled disposal by an approved waste disposal firm or through your local waste facility. If in doubt, consult your local waste management facility. You can also return the device to a retailer if they offer to take the device back for free or if they are legally obliged to do so. When disposing of the device, comply with the rules and regulations that apply in your country. You can also return your old device to Thomann GmbH at no charge. Check the current conditions on www.thomann.de.

Proper disposal protects the environment as well as the health of your fellow human beings. This is because the proper handling of old devices negates the potential negative effects of hazardous substances, and because it conserves resources by recycling them.

Also note that waste avoidance is a valuable contribution to environmental protection. Repairing a device or passing it on to another user is an ecologically valuable alternative to disposal. For example, use the classified ads of Thomann GmbH.

If your old device contains personal data, delete those data before disposing of it.

