fun generation

LED Puck ONE

LED effect

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1 Safety instructions

This user manual contains important information on the safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to another user, be sure that they also receive this manual.

Our products and user manuals are subject to a process of continuous development. We therefore reserve the right to make changes without notice. Please refer to the latest version of the user manual which is ready for download under *www.thomann.de*.

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!**
> **Danger for children**
>
> Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!
>
> Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!
>
> Never let children unattended use electrical devices.

> **DANGER!**
> **Electric shock caused by high voltages inside**
>
> 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 if covers, protectors or optical components are missing or damaged.

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WARNING!
Eye damage caused by high light intensity
Never look directly into the light source.

NOTICE!
Risk of fire
Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.

!

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

Only operate the device within the ambient conditions specified in the chapter 'Technical specifications' of this user manual. Avoid heavy temperature fluctuations and do not switch the device on immediately after it was exposed to temperature fluctuations (for example after transport at low outside temperatures).

Dust and dirt inside can damage the unit. When operated in harmful ambient conditions (dust, smoke, nicotine, fog, etc.), the unit should be maintained by qualified service personnel at regular intervals to prevent overheating and other malfunction.

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NOTICE!

External power supply

The device is powered by an external power supply. Before connecting the external power supply, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly the user.

Unplug the external power supply before electrical storms occur and when the device is unused for long periods of time to reduce the risk of electric shock or fire.

!

NOTICE!

Magnetic fields

In the bottom of the device, a strong magnet is installed, which can affect the operation of electromagnetically influenceable objects or devices. Do not use the LED light in electromagnetic sensitive environments (pacemakers, credit cards, etc.).

!

NOTICE!

Risk of fire

The optical lenses of the device focus the light and can cause a burning glass effect when exposed to sunlight. Never expose unassembled lenses to direct sunlight.

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

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2   Features

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

- 2 interchangeable effect lenses
- 20 internal programs with fixed or changing colours
- Sound control
- Control via remote control (not included in all sets)
- Mounting upright, by magnet or with M6 thread
- Power supply via USB mains adapter or power bank (not included in all sets)

The product series LED Puck ONE comprises the following components and sets with different delivery sizes:

Item no.	Name
457260	Fun Generation LED Puck ONE 2 Way Split
457261	Fun Generation LED Puck ONE Lens Kit

Item no.	Name
457259	Fun Generation LED Puck ONE Power Supply
457258	Fun Generation LED Puck ONE Remote 2,4 GHz
457180	Fun Generation LED Puck ONE Set of 1
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
460372	Fun Generation LED Puck ONE USB Cable 2.0

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3 Installation and starting up

3.1 Connecting the device

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 adapter or a power bank. Connect a maximum of 2 devices per USB port (max 4 devices per splitter).

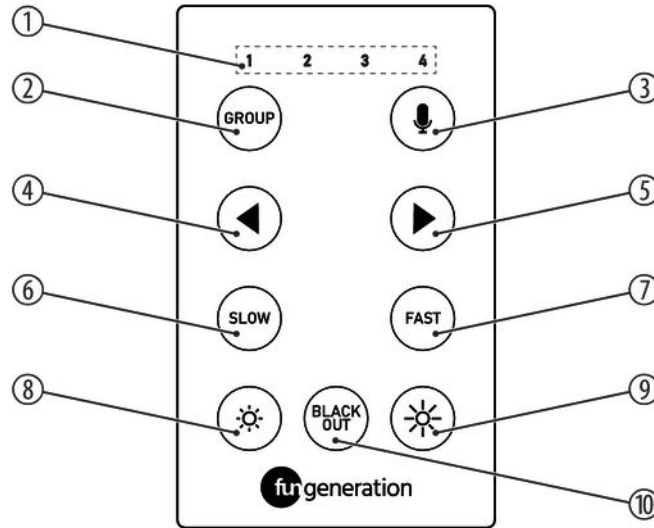**Establishing radio connection between LED light and remote control**

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 it.

⇨ The remote control is activated for 5 minutes. It can now receive and transmit radio signals.

2. ▶ Connect the LED light to a USB power source.

⇨ The group set on the remote control flashes.

3. ▶ To change the assignment of the group, press *[GROUP]* on the remote control.

After 5 seconds, the group assignment mode will automatically turn off. The device is ready for operation in the selected group.

When delivered, the device is already paired with the remote control.

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3.2 Operating the device - remote control

	Button	Function
1	1, 2, 3, 4	Display for groups 1…4. The button of the selected group lights up red.
2	*[GROUP]*	You can control up to four groups of devices separately. Press *[GROUP]* to select the group to control. The button of the selected group lights up red. Hold down *[GROUP]* to control all groups simultaneously.
3	🎤	Press 🎤 to enable the sound control. Press 🎤 again to disable the sound control.
4	‹	Press ‹ to select a preprogrammed static colour or effect. Hold down ‹ to access preset 1. Preset 1…14: static colours Preset 15…20: preprogrammed colour changes or sequences

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	Button	Function
5	>	Press > to select a preprogrammed static colour or effect.
		Hold down > to access preset 20.
		Preset 1…14: static colours
		Preset 15…20: preprogrammed 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 of a programme sequence.
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 flash effect frequency of a static colour or programme sequence.
8	☼	Press ☼ to decrease the brightness in increments of 20 %.

	Button	Function
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.

3.3 Changing the lens

The device is delivered with two 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. This is how to change the lens:

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1. ▶ Turn the aluminium ring on the top of the device counterclockwise.

2. ▶ Remove the existing lens and insert another lens.

> *When using the Effect Lens, make sure that the smooth side of the lens faces the device and that the rippled side is on the outside.*

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

3.4 Colours and programmes

Number	Programme		Number	Programme
1	White		11	Magenta
2	Red		12	Pastel red
3	Orange		13	Pastel green

Number	Programme		Number	Programme
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

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4 Technical specifications

Light source		1 × RGBW LED, 12 W
Light source properties	Colour temperature	White: 8000 K
Optical properties	Beam angle	Effect Lens: 50°
		Frost Filter: 160°
Control		Remote control
Input connections	Voltage supply	USB port for connecting a mains adapter or power bank
Voltage supply		Plug-in power supply (5 V ⎓ / 400 mA , centre positive)
Protection class		IP60
Mounting options		Upright
		Magnet
		M6 inner screw thread (thread depth 6 mm)
Dimensions (W × H × D)		55 mm × 26 mm × 55 mm

Weight		96 g
Ambient conditions	Temperature range	0 °C…40 °C
	Relative humidity	50 %, non-condensing

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5 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 *[BLACKOUT]* 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 *[SLOW]* to pause the flash effect.

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

6 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

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

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

Notes