STAIRVILLE

LED Bar 240/8 RGB

User Manual

LED Floodlight

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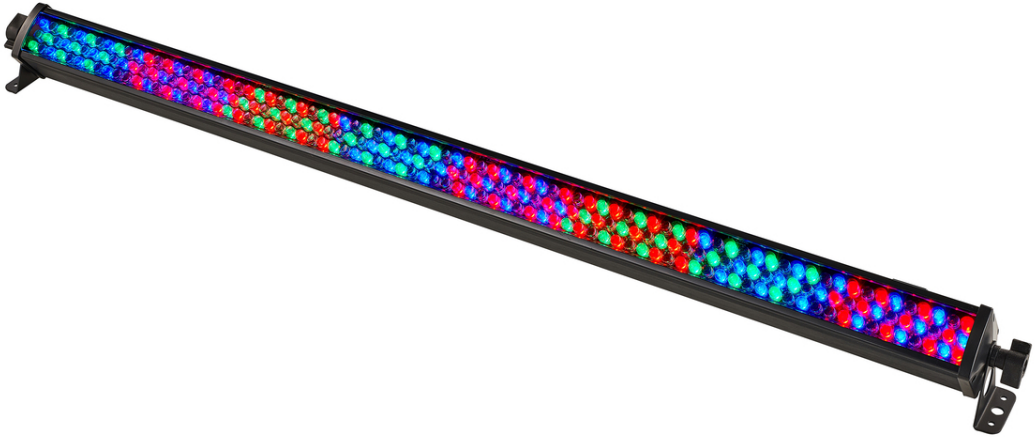


1 General information

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*.

1.1 Further information

On our website (*www.thomann.de)* you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings

The letterings for connectors and controls are marked by square brackets and italics.

Examples: *[VOLUME]* control, *[Mono]* button.

Displays

Texts and values displayed on the device are marked by quotation marks and italics.

Examples: *'24ch'*, *'OFF'*.

1.3 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 manual.

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 – suspended load.
	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!

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.

DANGER!

Electric shock caused by short-circuit

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

WARNING!

Eye damage caused by high light intensity

Never look directly into the light source.

WARNING!

Risk of epileptic shock

Strobe lighting can trigger seizures in photosensitive epilepsy. Sensitive persons should avoid looking at strobe lights.

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.

NOTICE!

Power supply

Before connecting the device, 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 injure the user. Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

NOTICE!

Fire hazard due to exceedance of the maximum current

The device can power other devices of identical construction. The current consumption of all other devices connected in series must not exceed the values indicated in the technical specifications. Otherwise you risk injuries and irreparable damages to the device. Only connect so many identical devices that the maximum current consumption is not exceeded. Ensure the sufficient dimensioning (wire cross section) of the power cables used for all devices connected in series.

NOTICE!

Possible damage due to installation of a wrong fuse

The use of different types of fuses can cause serious damage to the unit. Fire hazard! Only fuses of the same type may be used.

NOTICE!

Risk of fire due to incorrect polarity

Incorrectly inserted batteries may destroy the device or the batteries. Ensure that proper polarity is observed when inserting batteries.

NOTICE!

Possible damage by leaking batteries

Leaking batteries can cause permanent damage to the device. Take batteries out of the device if it is not going to be used for a longer period.

3 Features

The LED floodlight is particularly suitable for professional lighting tasks, for example at events, on rock stages, in theatres and musicals. It's characterized by low power consumption and long service life.

Special features of the device:

- 240 LEDs (96 × red, 72 × green, 72 × blue) in eight segments
- Control via DMX (4 different modes), via buttons and display on the device and IR remote control (item no. 354223, optionally available)
- 21 preprogrammed automatic shows
- Sound control
- Master / slave mode
- Robust metal housing in black (item no. 294835) or white (item no. 512674)

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.

4 Installation

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the product against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

WARNING!

Risk of injury caused by falling objects

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

NOTICE!

Risk of overheating

The distance between light output and the illuminated surface must be more than 1.5 m (19.7in).

Provide sufficient ventilation.

The ambient temperature must always be below 40 °C (104 °F).

NOTICE!

Use of stands

When mounting the device onto a stand, ensure that the stand is in a safe and stable position and that the weight of the device does not exceed the maximum permissible load capacity of the stand.

NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX input or output to audio devices such as mixers or amplifiers.

Mounting options

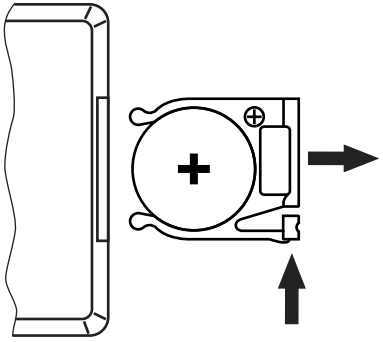
You can install the device in hanging or standing position. When in use, the device must always be attached to a solid surface or an approved truss. Use the openings of the bracket provided for mounting.

Always work from a stable platform whenever installing, moving or servicing the device. In doing so, the area underneath the device must be cordoned off.

The safety cable must be attached to both brackets.

Please note that this device must not be connected to a dimmer.

Inserting the battery into the remote control



Press the lock of the battery holder to the centre of the housing and pull out the battery holder like a drawer. Insert the battery. The battery is correct if the positive pole points to the housing base of the remote control. Slide the battery holder back into the remote until it clicks into place.

When shipping, the battery is already installed in the remote and protected against discharge by a transparent plastic foil. Remove the plastic foil prior to first use.

NOTICE!

Risk of fire due to incorrect polarity

Incorrectly inserted batteries may destroy the device or the batteries.

Ensure that proper polarity is observed when inserting batteries.

NOTICE!

Possible damage by leaking batteries

Leaking batteries can cause permanent damage to the device.

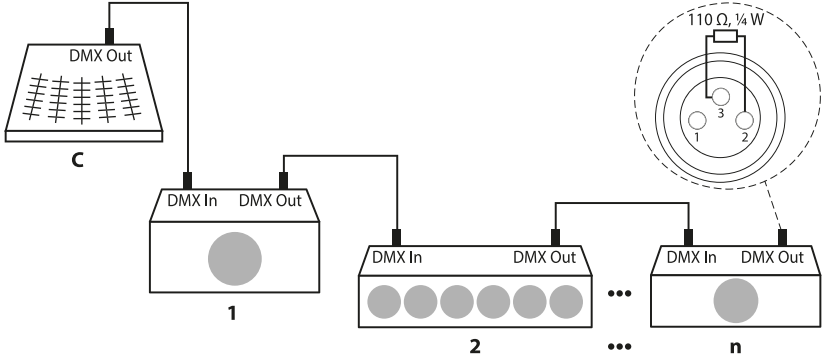
Take batteries out of the device if it is not going to be used for a longer period.

5 Starting up

Create all connections while the device is off. Use the shortest possible high-quality cables for all connections. Take care when running the cables to prevent tripping hazards.

Connections in DMX mode

Connect the DMX input of the device to the DMX output of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a resistor (110 Ω, ¼ W).



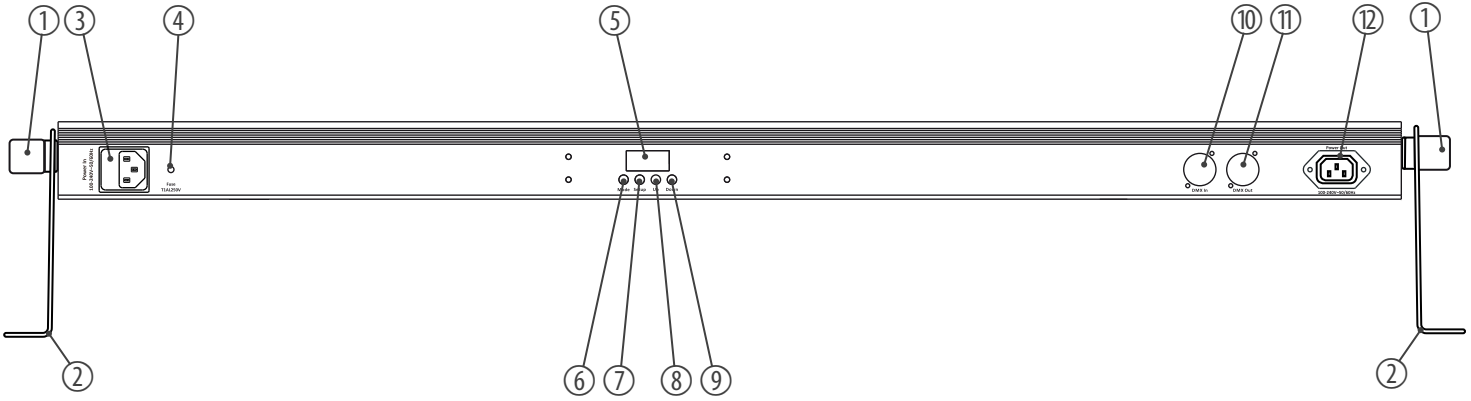
DMX indicator

If the indicator is flashing in the DMX mode, no DMX signal is received. Maybe the DMX controller is not switched on or there is a cabling error. If the indicator lights permanently, the device receives a valid DMX signal.

Connections in master/slave mode

When you configure a group of devices in master/slave mode, the first unit will control the other units for an automatic, sound-activated, synchronized show. This function is ideal when you want to start a show immediately. Connect the DMX output of the master device to the DMX input of the first slave device. Then connect the DMX output of the first slave device to the DMX input of the second slave device and so on.

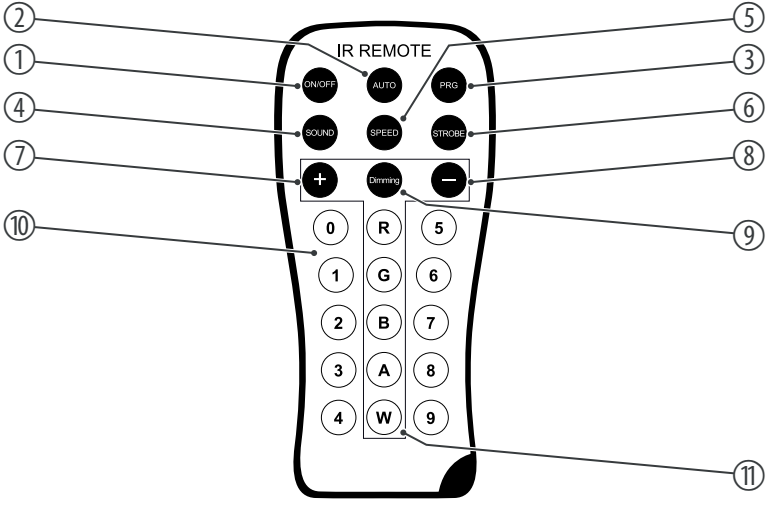
6 Connections and operating elements



1	Locking screws for the mounting bracket
2	Mounting bracket
3	*[POWER In]* | IEC chassis plug for power supply
4	*[FUSE 1A/250V]* | fuse holder
5	Display
6	*[Mode]* | activates the main menu and toggles between menu items.
7	*[Setup]* | selects an option of the respective operating mode.
8	*[Up]* | navigates upwards in a menu list. Increases the displayed value by one.
9	*[Down]* | navigates downwards in a menu list. Decreases the displayed value by one.
10	*[DMX In]* | DMX input
11	*[DMX Out]* | DMX output
12	*[POWER Out]* | IEC chassis socket for the power supply cable to the next unit

Infrared remote control (item no. 354223, optionally available)

Since the universal remote control can be used for several device types, some buttons may not be assigned and therefore have no function.



1	*[ON/OFF]* | turns the device on and off.
2	*[AUTO]* | activates the 'Automatic' mode.
3	*[PRG]* | activates the operating mode 'Preprogrammed automatic show'. Select the desired programme with *[+]* and *[–]*.
4	*[SOUND]* | activates the 'Sound-control' mode. Set the sensitivity of the built-in microphone with *[+]* and *[–]*.
5	*[SPEED]* | activates the setting mode for the programme speed. Adjust the speed using *[+]* and *[–]*.
6	*[STROBE]* | activates the setting mode for the Strobe speed. Adjust the speed using *[+]* and *[–]*.
7	*[+]* | increases the set value.
8	*[–]* | decreases the set value.
9	*[Dimming]* | activates the dimming function for fixed colours. Set the value for each fixed colour using *[+]* and *[–]*.
10	*[0 … 9]* | numeric buttons for direct selection of a fixed colour.
11	*[R]*, *[G]*, *[B]*, *[A]*, *[W]* | buttons to select the colour shade in dimmer mode.

7 Operating

7.1 Starting up the device

Connect the unit to the power grid to start the operation. After a few seconds, the display shows a running reset. The unit is then ready for use.

7.2 Main menu

Press *[Mode]* to activate the main menu and to select an operating mode. Use *[Up]* and *[Down]* to change the respectively indicated value. When the display shows the desired value, press *[Mode]*.

If you don't press any button for about 30 seconds, the current setting is being applied and the display turns dark. The set values are retained as long as the unit is connected to the power supply.

'Preprogrammed automatic show' mode

A preprogrammed automatic show can only be activated if the unit is working in stand-alone mode or as master device in a master / slave combination. This setting is only relevant if the unit is not controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'Prxx'*. Now you can select one of the preprogrammed automatic shows. Use *[Up]* and *[Down]* to select a value between *'Pr01'* and *'Pr21'*.

For programmes Pr20 and Pr21, you can set a static colour (background colour) for all segments, or a colour that lights up segmentally (hopping colour). Press *[Setup]* repeatedly until the display shows *'1xxx'* (background colour) or *'2xxx'* (hopping colour). With *[Up]* and *[Down]* you can toggle between the following options:

Display	Description
'--r'	Red
'-rg'	Red and green
'--g'	Green
'-gb'	Green and blue
'--b'	Blue
'-rb'	Red and blue
'rgb'	Red, green and blue
' OFF'	LEDs off

To adjust the speed of the selected automatic show, press *[Setup]* repeatedly until the display shows *'SPxx'*. With *[Up]* and *[Down]* you can now select a value between *'SP01'* (slow) and *'SP99'* (fast) or *'SPFL'* (Flash effect).

To adjust the flash frequency, press *[Setup]* repeatedly until the display shows *'FSxx'*. With *[Up]* and *[Down]* you can now select a value between *'FS00'* (slow) and *'FS99'* (fast).

To adjust the fade speed of the selected automatic show, press *[Setup]* repeatedly until the display shows *'Fdxx'*. With *[Up]* and *[Down]* you can now select a value between *'Fd00'* (slow) and *'Fd99'* (fast).

Wait for about 30 seconds until the display turns dark. Then the settings have been applied. Press *[Mode]* to return to the parent menu without any changes.

'Automatic' mode

Automatic operation can only be activated if the unit is working in stand-alone mode or as master device in a master / slave combination. This setting is only relevant if the unit is not controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'Auto'*. Press *[Setup]*. Now you can select one of the Automatic options. Use *[Up]* and *[Down]* to select a value between *'n001'* and *'n100'*.

To adjust the speed of the selected Automatic option, press *[Setup]* repeatedly until the display shows *'SPxx'*. With *[Up]* and *[Down]* you can now select a value between *'SP01'* (slow) and *'SP99'* (fast) or *'SPFL'* (Flash effect).

To adjust the flash frequency, press *[Setup]* repeatedly until the display shows *'FSxx'*. With *[Up]* and *[Down]* you can now select a value between *'FS00'* (slow) and *'FS99'* (fast).

To adjust the fade speed of the selected Automatic option, press *[Setup]* repeatedly until the display shows *'Fdxx'*. With *[Up]* and *[Down]* you can now select a value between *'Fd00'* (slow) and *'Fd99'* (fast).

Wait for about 30 seconds until the display turns dark. Then the settings have been applied. Press *[Mode]* to return to the parent menu without any changes.

DMX address

This setting is only relevant if the unit is controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'dxxx'*.

Now you can set the number of the first DMX channel to be used by the device (DMX address). Use *[Up]* and *[Down]* to select a value between 1 and 512 (the display shows *'d001'* … *'d512'*).

Make sure that this number matches the configuration of your DMX controller. The following table shows the highest possible DMX address for the different DMX modes.

Mode	Highest possible DMX address
2-channel	511
3-channel	510
5-channel	508
24-channel	489

Wait for about 30 seconds until the display turns dark. Then the settings have been applied. Press *[Mode]* to return to the parent menu without any changes.

'DMX' mode

This setting is only relevant if the unit is controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'dxxx'*. Press *[Setup]*. With *[Up]* and *[Down]* you can now select one of the following DMX operating modes:

- *'2-ch'* (two channels)
- *'3-ch'* (three channels)
- *'5-ch'* (five channels)
- *'24ch'* (twenty-five channels)

Wait for about 30 seconds until the display turns dark. Then the settings have been applied. Press *[Mode]* to return to the parent menu without any changes.

'Slave' mode

This setting is only relevant if the unit is operated as slave device in a master / slave configuration and is not controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'SLAv'*.

Wait for about 30 seconds until the display turns dark. Then the settings have been applied. Press *[Mode]* to return to the parent menu without any changes.

Sound-control and microphone sensitivity

A sound-controlled automatic show can only be activated if the unit is working in stand-alone mode or as master device in a master / slave combination. This setting is only relevant if the unit is not controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'SUxx'*. This will activate a sound-controlled automatic show.

Now you can adjust the sensitivity of the built-in microphone for the sound-control. Use *[Up]* and *[Down]* to select a value between 0 (low sensitivity) and 31 (high sensitivity), the display shows *'SU00'* … *'SU31'*.

Wait for about 30 seconds until the display turns dark. Then the settings have been applied. Press *[Mode]* to return to the parent menu without any changes.

Constant unicoloured pattern

A constant unicoloured pattern can only be activated if the unit is working in stand-alone mode or as master device in a master / slave combination. This setting is only relevant if the unit is not controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'Colr'*.

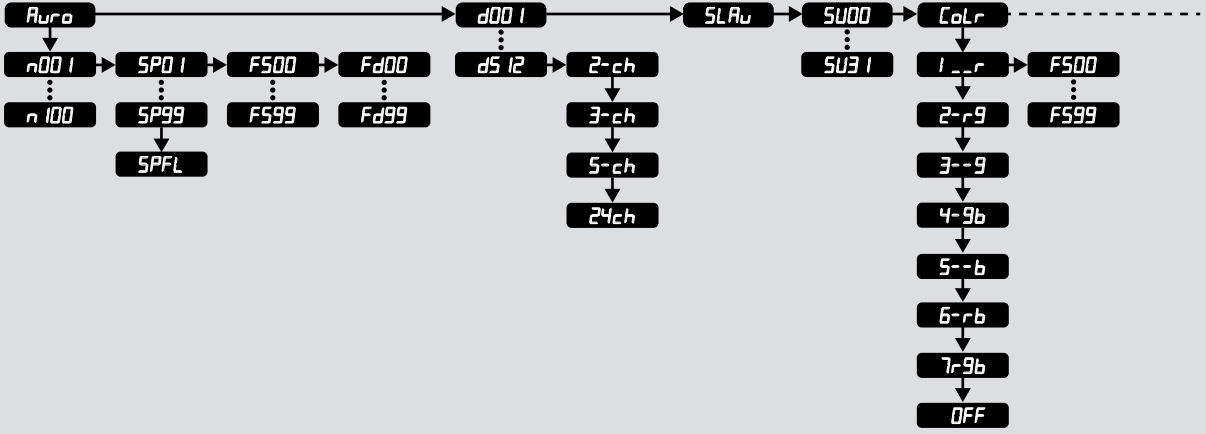
Press *[Setup]*. With *[Up]* and *[Down]* to choose from the following options:

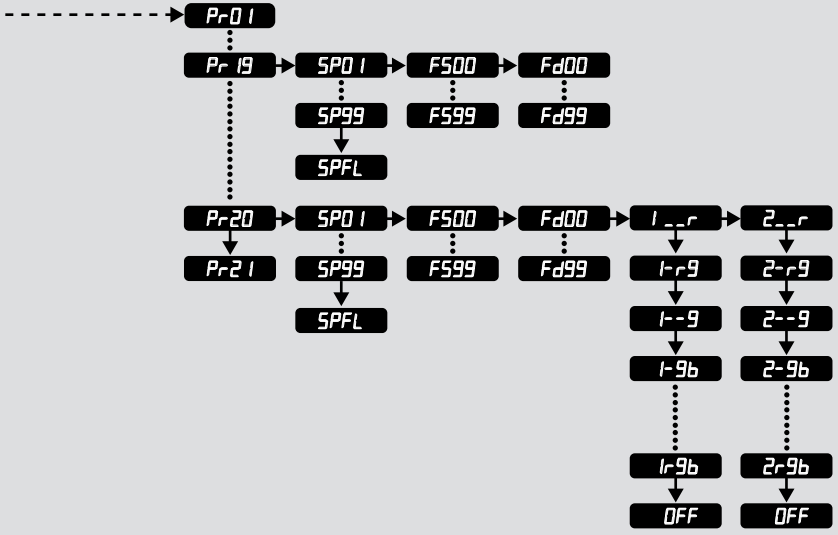
Display	Description
'1--r'	Red
'2-rg'	Red and green
'3--g'	Green
'4-gb'	Green and blue
'5--b'	Blue
'6-rb'	Red and blue
'7rgb'	Red, green and blue
' OFF'	LEDs off

To adjust the flash frequency, press *[Setup]* repeatedly until the display shows *'FSxx'*. With *[Up]* and *[Down]* you can now select a value between *'FS00'* (slow) and *'FS99'* (fast).

Wait for about 30 seconds until the display turns dark. Then the settings have been applied. Press *[Mode]* to return to the parent menu without any changes.

7.3 Menu overview




Pr01
Pr 19
SP01
SP99
SPFL
F500
F599
Fd00
Fd99
Pr20
Pr21
SP01
SP99
SPFL
F500
F599
Fd00
Fd99
1__r
1-r9
1--9
1-96
1r96
OFF
2__r
2-r9
2--9
2-96
2r96
OFF

7.4 Functions in 2-channel DMX mode

Channel	Value	Function
1	0…7	LEDs off
	8…15	Constant unicoloured pattern in red
	16…23	Constant unicoloured pattern in red and green
	24…31	Constant unicoloured pattern in green
	32…39	Constant unicoloured pattern in blue and green
	40…47	Constant unicoloured pattern in blue
	48…55	Constant unicoloured pattern in blue and red
	56…63	Constant unicoloured pattern in red, green and blue
	64…231	Preprogrammed automatic shows
	232…255	Sound-controlled shows
2	Function depends on settings in channel 1	
	Channel 1 = 0…63	
	No function	
	Channel 1 = 64…231	

Channel	Value	Function
	0…255	Increasing speed
	Channel 1 = 232…255	
	0…255	Sensitivity of the built-in microphone for sound control

7.5 Functions in 3-channel DMX mode

Channel	Value	Function
1	0…255	Intensity (0 % to 100 %) of the 96 red LEDs
2	0…255	Intensity (0 % to 100 %) of the 72 green LEDs
3	0…255	Intensity (0 % to 100 %) of the 72 blue LEDs

7.6 Functions in 5-channel DMX mode

Channel	Value	Function
1	0…255	Intensity (0 % to 100 %) of the 96 red LEDs
2	0…255	Intensity (0 % to 100 %) of the 72 green LEDs
3	0…255	Intensity (0 % to 100 %) of the 72 blue LEDs
4	0…255	Dimmer (0 % to 100 %) for all LEDs
5	0…255	Strobe effect, increasing speed

7.7 Functions in 24-channel DMX mode

Channel	Value	Function
1	0…255	Intensity (0 % to 100 %) of the red LEDs in the 1. segment
2	0…255	Intensity (0 % to 100 %) of the green LEDs in the 1. segment
3	0…255	Intensity (0 % to 100 %) of the blue LEDs in the 1. segment
4	0…255	Intensity (0 % to 100 %) of the red LEDs in the 2. segment
5	0…255	Intensity (0 % to 100 %) of the green LEDs in the 2. segment

Channel	Value	Function
6	0…255	Intensity (0 % to 100 %) of the blue LEDs in the 2. segment
7	0…255	Intensity (0 % to 100 %) of the red LEDs in the 3. segment
8	0…255	Intensity (0 % to 100 %) of the green LEDs in the 3. segment
9	0…255	Intensity (0 % to 100 %) of the blue LEDs in the 3. segment
10	0…255	Intensity (0 % to 100 %) of the red LEDs in the 4. segment
11	0…255	Intensity (0 % to 100 %) of the green LEDs in the 4. segment
12	0…255	Intensity (0 % to 100 %) of the blue LEDs in the 4. segment
13	0…255	Intensity (0 % to 100 %) of the red LEDs in the 5. segment
14	0…255	Intensity (0 % to 100 %) of the green LEDs in the 5. segment
15	0…255	Intensity (0 % to 100 %) of the blue LEDs in the 5. segment
16	0…255	Intensity (0 % to 100 %) of the red LEDs in the 6. segment
17	0…255	Intensity (0 % to 100 %) of the green LEDs in the 6. segment
18	0…255	Intensity (0 % to 100 %) of the blue LEDs in the 6. segment
19	0…255	Intensity (0 % to 100 %) of the red LEDs in the 7. segment
20	0…255	Intensity (0 % to 100 %) of the green LEDs in the 7. segment
21	0…255	Intensity (0 % to 100 %) of the blue LEDs in the 7. segment

Channel	Value	Function
22	0…255	Intensity (0 % to 100 %) of the red LEDs in the 8. segment
23	0…255	Intensity (0 % to 100 %) of the green LEDs in the 8. segment
24	0…255	Intensity (0 % to 100 %) of the blue LEDs in the 8. segment

8 Technical specifications

Light source		240 × 10 mm LED (96 × red, 72 × green, 72 × blue) in eight segments
Optical properties	Beam angle	30 °
Control		DMX
		IR remote control (optional)
Number of DMX channels		2, 3, 5, 24
Input connections	Power supply	IEC chassis plug C14
	DMX control	XLR chassis socket, 3-pin
Output connections	Power supply	IEC chassis plug C13
	DMX control	XLR chassis socket, 3-pin
Power consumption		25 W
Supply voltage		100 - 240 V ~ 50/60 Hz
Fuse		5 mm × 20 mm, 1 A, 250 V, slow-blow
Battery of the remote control		Lithium-ions button cell CR2025, 3 V
Degree of protection		IP20

Mounting options		Hanging, standing 4 × mounting bracket (2 × short, 2 × long)
Dimensions (W × H × D)		1064 mm × 65 mm × 88 mm
Weight		2.6 kg
Ambient conditions	Temperature range	–10 °C…40 °C
	Relative humidity	20 %…80 % (non-condensing)

Further information

Suitable for outdoor use	No
Colour mixture	RGB
LED type	Uni-coloured
Fanless	yes
Remote control	Optionally available (item no. 354223)
Wireless DMX	No
Housing colour	black (item no. 294835) white (item no. 512674)

9 Plug and connection assignments

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment so that a perfect light experience is guaranteed.

Please take our tips, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into a socket, the result of an incorrect connection may be a destroyed DMX controller, a short circuit or 'just' a not working light show!

DMX connections

The unit offers a 3-pin XLR socket for DMX output and a 3-pin XLR plug for DMX input. Please refer to the drawing and table below for the pin assignment of a suitable XLR plug.

Pin	Configuration
1	Ground, shielding
2	Signal inverted (DMX–, 'cold signal')
3	Signal (DMX+, 'hot signal')

10 Troubleshooting

NOTICE!

Possible data transmission errors

For error-free operation make use of dedicated DMX cables and do not use ordinary microphone cables.

Never connect the DMX input or output to audio devices such as mixers or amplifiers.

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 unit does not work, no light.	Check the mains connection and the fuse.
No response to the DMX controller.	1. When the display is flashing, e.g. *'d001'*, no valid DMX signal can be received. Make sure that the DMX controller is turned on. Check the DMX ports and cables for proper connection.
	2. If the display does not flash and still no response, check the address settings and the DMX polarity.
	3. Try using another DMX controller.
	4. Check to see if the DMX cables run near or alongside to high voltage cables that may cause damage or interference to DMX interface circuits.

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

11 Cleaning

Optical lenses

Clean the optical lenses, that are accessible from the outside, regularly in order to optimize the light output. The frequency of cleaning depends on the operating environment: wet, smoky or particularly dirty surroundings can cause more accumulation of dirt on the optics of the device.

- Clean with a soft cloth using our lamp and lens cleaner (item no. 280122).
- Always dry the parts carefully.

12 Protecting the environment

Disposal of the packaging material

For the 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 batteries

Batteries must not be thrown away or incinerated; they must be disposed of in accordance with local regulations for the disposal of hazardous waste. Use the existing collection points for this.

Only dispose of lithium batteries when they are discharged. Remove replaceable lithium batteries from the device before disposal. Protect used lithium batteries against short circuits, for example by covering the poles with adhesive tape. Permanently built-in lithium batteries must be disposed of together with the device. Please inquire about an appropriate collection point.

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.