



LED BossFx-2 Pro Bundle

User Manual

LED Lighting Set

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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.
CAUTION	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor 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 – danger zone.
	Warning – dangers due to batteries.
	Warning – high-voltage.
	Warning – dangerous optical radiation.
	Warning – suspended load.

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 as 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.



DANGER

Risk of death from electrical current!

A short circuit can cause fires and loss of life. Always use proper ready-made insulated mains cabling (power cord) with a safety plug. Do not modify the mains cable or the power plug. If the power cable or plug is damaged, switch off the power supply immediately and replace the power cable with an identical power cable available from the manufacturer. Make sure that the device is always earthed. If in doubt, contact a qualified electrician.



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.



WARNING

Risk of epileptic fit due to flashing lights!

The device emits flashing lights (strobe effects). Flashing lights can trigger epileptic fits in specific people. If you are at risk of epilepsy, avoid spending longer periods of time subjected to flashing lights and looking into strobing light.



WARNING

Risk of injury due to damaged shielding, protective screens or lenses!

If shielding, protective screens or lenses are damaged, there is a risk of injury from falling shards or equipment parts. Shielding, protective screens and lenses are not designed to be replaced by the user! If shielding, protective screens or lenses are visibly damaged (for example due to cracks or deep scratches), have them repaired by the manufacturer or a qualified electrician.

**WARNING****Risk of injury due to incorrect handling of lithium batteries!**

In the event of a short circuit, overheating or mechanical damage, lithium batteries can cause severe injuries. If lithium batteries are damaged, electrolyte may leak and fumes may be released. Electrolyte can cause skin irritation or burns. The airways can become irritated when vapours escape. Avoid any skin and eye contact with the electrolyte. If contact does occur, rinse the affected area thoroughly with water immediately. When vapours escape, ensure adequate ventilation. If you have any complaints, see a doctor. If electrolyte gets into the eyes, consult a doctor immediately. Keep lithium batteries away from heat sources. Do not open or destroy lithium batteries. Only charge rechargeable lithium batteries with a suitable charger. Pack damaged lithium batteries in airtight packaging. Absorb leaked electrolyte with absorbent material and always wear protective gloves.

**CAUTION****Risk of injury due to tipping of the product on unsuitable ground!**

If the product is set up on soft or uneven ground, the product can tip over and cause injuries and property damage. Always set up the product on firm and level ground.

**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 device due to high voltages!**

The device 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 device matches the local power grid before plugging in the device. Only operate the device 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 device from the power grid when storms are approaching or if the device will not be used for a longer period.

**NOTICE****Risk of fire by exceeding the maximum current!**

The device can supply power to other devices of identical design and connected in series. If too many devices are connected, the maximum permitted power consumption can be exceeded, which can cause the device to overheat and burst into flames. Only connect devices of identical design to the device. When deciding how many devices you can connect in series, make sure that the maximum output current specified on the device and in the "Technical specifications" chapter of the user manual is not exceeded. Only use power cords with a cable cross-section designed for the required current intensity when connecting the devices in series.

**NOTICE****Risk of fire due to installation of a wrong fuse!**

Using fuses of a different type than compatible with the device may cause a fire and seriously damage the device. Only use fuses of the same type. Observe the labelling on the device casing and the information in the "Technical data" chapter.

! NOTICE

Damage to the device by disconnecting LED spots during operation!

If individual LED spots are disconnected from the device during operation, the device can get damaged. Operate the device only when all LED spots are connected. Always disconnect the device from the mains before removing the LED spots.

! NOTICE

Possible staining due to plasticiser in rubber and foam feet!

The plasticiser in the feet of this product may react with the coating of the floor, resulting in permanent dark stains after a while. If necessary, use a suitable mat or felt pads to prevent direct contact between the product's feet and the floor.

3 Features

Special features of the device:

- 2 LED spots each with 6 tricolour LEDs, 9 W each
- 2 derby effect each with 6 tricolour LEDs, 3 W each
- Strobe with 4 LEDs, 2 W each (white and ultra-violet)
- Control via DMX (4 different modes), buttons and display on the device, wireless foot switch and infrared remote control
- Pre-programmed automatic shows
- Sound control
- Master/slave mode
- Stand, wireless foot switch, infrared remote control, variable-use mounting brackets and transport bag included

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 light source is not designed to be replaced by the user.

If the light source needs to be replaced, arrange for it to be replaced by the manufacturer or a qualified electrician.



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



In the case of controllable lights, the control lines inside the device have reinforced insulation against the low-voltage lines.

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 from falling devices that were inadequately secured!

If devices are not properly secured during assembly, they can cause severe injury and considerable damage by falling.

When installing and operating, make sure to follow the standards and regulations that apply in your country.

Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.



NOTICE

Damage to the device by disconnecting LED spots during operation!

If individual LED spots are disconnected from the device during operation, the device can get damaged.

Operate the device only when all LED spots are connected.

Always disconnect the device from the mains before removing the LED spots.



NOTICE

Risk of overheating and fire due to inadequate distance and bad ventilation!

If the distance between the light source and the illuminated surface is too small or the device is badly ventilated, the device can overheat and cause fires.

Make sure that the distance to illuminated surfaces corresponds to the specifications in the "Technical specifications" chapter of the user manual.

Do not operate the device in ambient temperatures above 40 °C.

Always ensure sufficient ventilation at the operating location.



NOTICE

Potential property damage due to unsuitable stands!

If the product is mounted on an unsuitable stand, there is a risk that the stand will fall over and cause damage.

Only use stands whose maximum load-bearing capacity is at least as high as the weight of the product. Always ensure that the stand is stable.

! NOTICE

Fire hazard due to incorrect polarity and incorrect battery type!

Incorrectly inserted batteries can cause fires and destroy the device as well as the batteries.

To extend the life of batteries, use rechargeable batteries if possible. Only use batteries of the battery type specified in the "Technical specifications" chapter.

Observe the markings on batteries and on the device. Ensure that proper polarity (+/-) is observed when inserting battery.

! NOTICE

Possible damage to the device due to leaking batteries when not in use!

Batteries may leak and permanently damage the device.

If you are not using the device for a long time, remove the batteries from the device. Store batteries in their original packaging in a cool dry place.

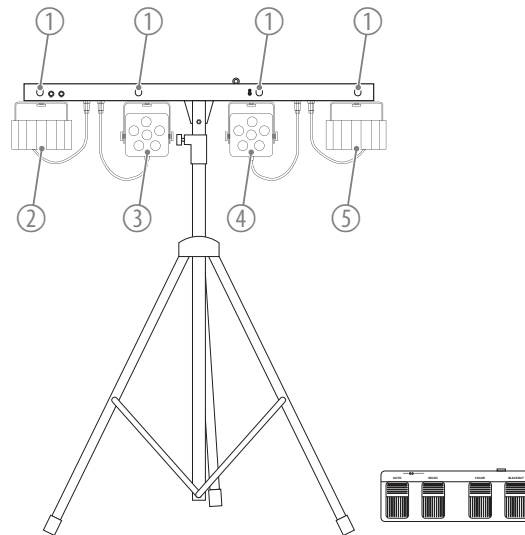


Comply with regulations

When installing and operating, make sure to follow the standards and regulations that apply in your country.

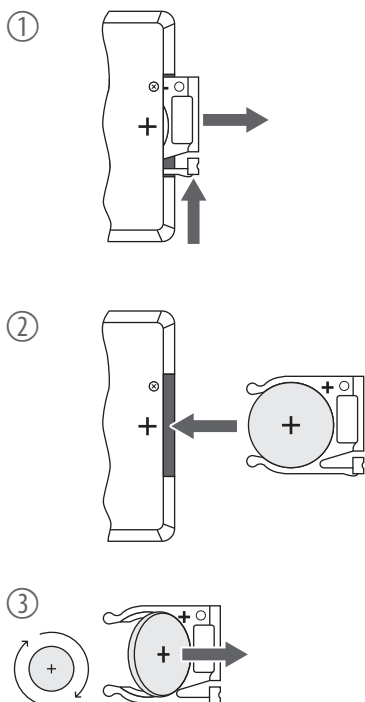
Pre-mounted spots

The two LED spots and the two derby effects are pre-assembled on the LED bar. The strobe LEDs are integrated in the LED bar. Attach the stand or mount the supplied mounting brackets on the LED bar for suspended mounting.



1	Strobe LED
2	Derby effect 1
3	LED spot 1
4	LED spot 2
5	Derby effect 2

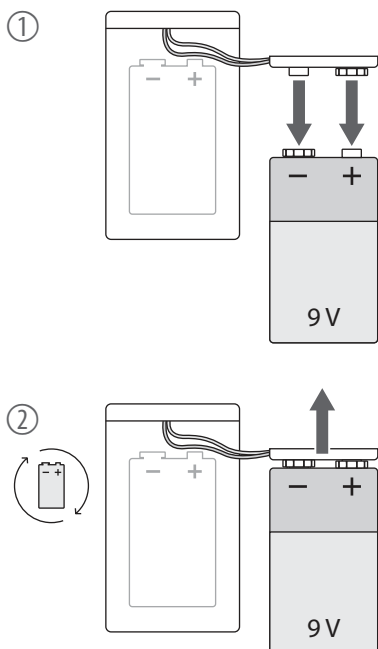
Inserting and replacing the battery in the remote control



The following illustrations serve as an example and may differ from the real use case.

1. Loosen the screw of the battery holder on the back of the remote control.
2. Push the lock of the battery holder towards the centre of the housing and pull out the battery holder like a drawer (1).
3. Insert the battery with the correct polarity (+/-) (2).
4. Slide the battery holder into the remote until it clicks into place.
5. Tighten the screw of the battery holder.
➔ The battery has been inserted.
6. To replace the battery, loosen the screw of the battery holder on the back of the remote control.
7. Push the lock of the battery holder towards the centre of the housing and pull out the battery holder like a drawer (1).
8. Remove the old battery (3).
9. Insert the new battery with the correct polarity (+/-) (2).
10. Slide the battery holder into the remote until it clicks into place.
11. Tighten the screw of the battery holder.
➔ The battery has been replaced.

Inserting and replacing the battery in the wireless foot switch



The following illustrations serve as an example and may differ from the real use case.

1. Open the battery compartment cover.
2. Connect the connection cable of the battery compartment to the battery (1) with the correct polarity (+/-).
3. Insert the battery.
4. Close the battery compartment cover until it engages.
➔ The battery has been inserted.
5. To replace the battery, open the battery compartment cover.
6. Remove the old battery and disconnect the connection cable (2).
7. Connect the connection cable of the battery compartment to the new battery (1) with the correct polarity (+/-).
8. Insert the new battery.
9. Close the battery compartment cover until it engages.
➔ The battery has been replaced.

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.

Notes on radio transmission

- This equipment uses a frequency range that is free of charge and registration within the European Union.
For more information, please visit → <http://www.thomann.de>.
- Make sure that no metal objects are located between transmitter and receiver.
- Avoid interference by other radio and in-ear systems.

Connections in “DMX” mode, 3-pin connections

! NOTICE

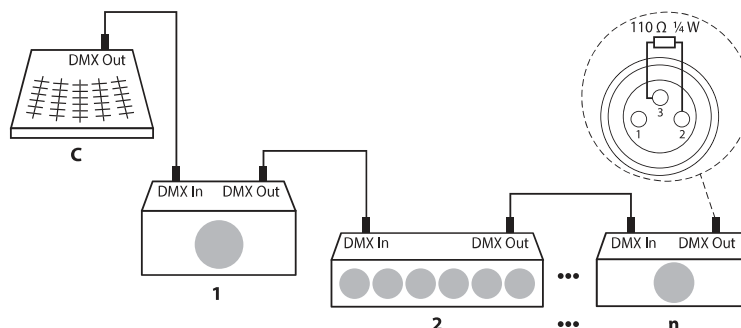
Data transfer errors due to improper wiring!

If the DMX connections are wired incorrectly, this can cause errors during the data transfer.

Do not connect the DMX input and output to audio devices, e.g. mixers or amplifiers.

Use special DMX cables for the wiring instead of normal microphone cables.

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 series connection. Make sure that the output of the last DMX device in the chain is terminated by a resistor (110 Ω, ¼ W).

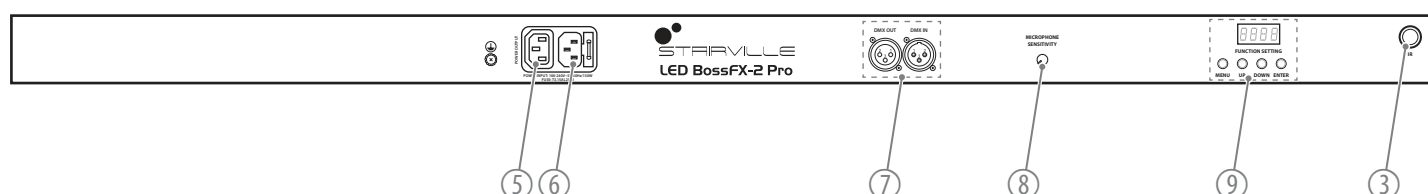
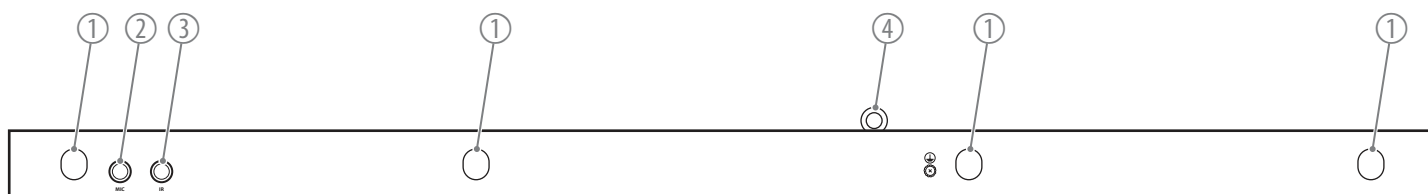


Connections in master/slave mode

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.

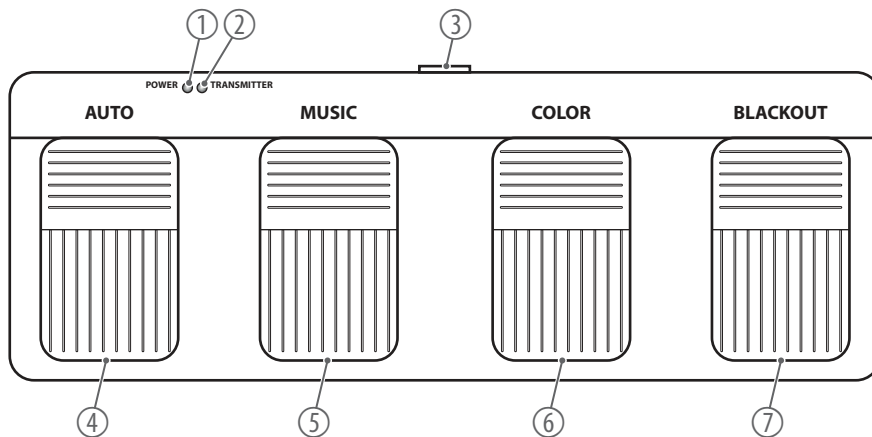
6 Connections and controls

Front



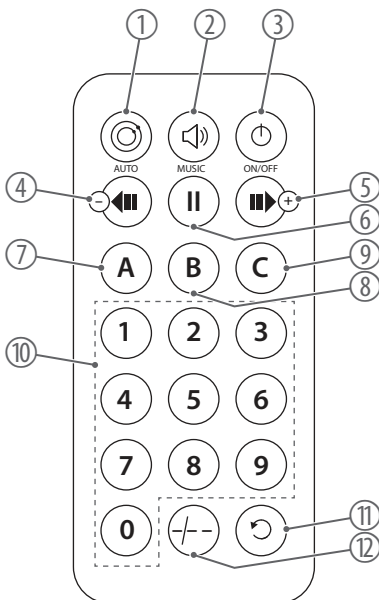
1	Strobe LEDs
2	[MIC] Microphone for sound control
3	[IR] Infrared sensor for the remote control signals
4	Safety cable eyelet
5	[POWER OUTPUT] IEC chassis socket for the power supply of further devices
6	[POWER INPUT] Rubber panel plug for the power supply with fuse holder
7	[DMX IN] DMX input, designed as an XLR panel connector, 3-pin [DMX Out] DMX output, designed as an XLR panel connector, 3-pin
8	[MICROPHONE SENSITIVITY] Rotary control for the sensitivity of the built-in microphone
9	Display and function buttons [MENU] Activates the main menu and switches between menu items. Closes an open submenu. [UP] Increases the displayed value by one. [DOWN] Decreases the displayed value by one. [ENTER] Selects an option of the respective operating mode, confirms the set value.

Wireless foot switch



- 1 [POWER] | Status LED is on when the wireless foot switch is on.
- 2 [TRANSMITTER] | Status LED is on if the wireless foot switch is connected to the LED bar.
- 3 Main switch. Turns the device on and off.
- 4 [AUTO] | Activates "Automatic" mode (playback of pre-programmed automatic shows).
- 5 [MUSIC] | Activates "Sound control" mode (playback of sound-controlled automatic shows).
- 6 [COLOR] | Starts the automatic colour change or stops it again.
- 7 [BLACKOUT] | Blacks out all LEDs or turns them back on again.

Infrared remote control



- 1 [AUTO] | Activates "Automatic" mode (playback of pre-programmed automatic shows 'AM01'...'AM03').
- 2 [MUSIC] | Activates "Sound control" mode (playback of sound-controlled automatic shows 'SM01'...'SM03').
- 3 [ON/OFF] | Blacks out all LEDs or turns them back on again.
- 4 ← | Colour selection
- 5 → | Colour selection
- 6 ⏸ | Pause button
- 7 [A] | Selects an automatic show for the LED spots and derby effects ('AP01'...'AP18')
- 8 [B] | No function
- 9 [C] | Selects an automatic show for the strobe LEDs ('AF01'...'AF12')
- 10 [0]...'[9] | Selects the program run speed (0 = slow, 9 = fast).
- 11 ⇄ | Toggles between automatic mode and sound control mode.
- 12 ⊕ | No function

7 Operating

7.1 Starting and stopping operation

Starting

Complete the following steps to start operation:

1. ➤ Connect the device to the power grid.
2. ➤ After a few seconds, the fan and the motors start to work. The display shows the current operating mode.
 - ➔ The device is operational.
3. ➤ Turn the foot switch on.

Stopping

Complete the following steps to stop operation:

1. ➤ Turn the foot switch off.
2. ➤ Disconnect the device from the mains.

7.2 Main menu

1. ➤ Press *[MENU]* to activate the main menu or to switch between the menu items.
2. ➤ Press *[ENTER]* to confirm the selection.
3. ➤ Press *[UP]* or *[DOWN]* to change the displayed value.
4. ➤ When the display shows the required value, press *[ENTER]*.
5. ➤ To exit the menu item without making changes, press *[MENU]*.

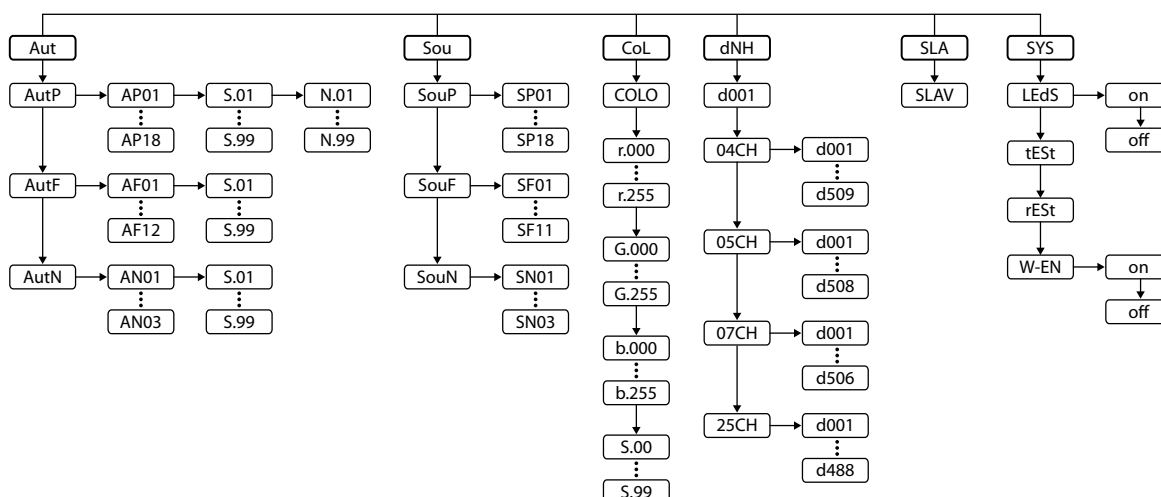
All previous settings are retained even when you switch off the device and disconnect it from the mains.

The following table shows the setting options in the menu.

Main menu	Menu level 2	Menu level 3	Meaning
'Aut'	Operating mode "pre-programmed automatic show"		
	'AutP'	Selection of an automatic show for the LED spots and derby effects ('AP01'...'AP18')	
		'S.01'...'S.99'	Speed of the selected automatic show
	'AutF'	Selection of an automatic show for the strobe LEDs ('AF01'...'AF12')	
		'S.01'...'S.99'	Speed of the selected automatic show
	'AutN'	Selection of an automatic show for all components ('AN01'...'AN03')	
'S.01'...'S.99'		Speed of the selected automatic show	
'Sou'	Sound control		
	'SouP'	Selection of a sound-controlled automatic show for the LED spots and derby effects ('SP01'...'SP18')	
		'SouF'	Selection of a sound-controlled automatic show for the strobe LEDs ('SF01'...'SF11')
	'SouN'		Selection of a sound-controlled automatic show for all components ('SM01'...'SM03')
'CoL'	Manual colour selection for the LED spots		
	'r.xxx'	Setting intensity red ('r.000'...'r.255')	

Main menu	Menu level 2	Menu level 3	Meaning
	'G.xxx'	Setting intensity green ('G.000'...'G.255')	
	'b.xxx'	Setting intensity blue ('b.000'...'b.255')	
	'S.xxx'	'S.00'...'S.99'	Setting the flash frequency
'dNH'	DMX operating mode		
	'dXXX'	Setting the DMX address ('001'...'512')	
	'xxCH'	Selecting a DMX mode: 4-channel, 5-channel, 7-channel or 25-channel	
		'dXXX'	Setting the DMX address 4-channel: ('001'...'509') 5-channel: ('001'...'508') 7-channel: ('001'...'506') 25-channel: ('001'...'488')
'SLA'	"Slave" operating mode		
	'SLAV'	Slave mode selection	
'SYS'	System settings		
	'LEdS'	Enables ('on') or disables ('off') automatic shutdown of the display when not in use	
	'teSt'	Starting self-test	
	'rEst'	Resetting to factory defaults	
	'W-EN'	Enables ('on') or disables ('off') the interface for the wireless foot switch	

7.3 Menu overview



7.4 Functions in 4-channel DMX mode

Channel	Value	Function
1	Selecting an automatic show	
	0...5	Blackout
	6...91	AM01 / SM01
	92...172	AM02 / SM02
	173...255	AM03 / SM03
2	Automatic show for the LED spots and derby effects	
	0...5	Blackout
	6...18	AP01 / SP01
	19...31	AP02 / SP02
	32...44	AP03 / SP03
	45...57	AP04 / SP04
	58...70	AP05 / SP05
	71...83	AP06 / SP06
	84...96	AP07 / SP07
	97...109	AP08 / SP08
	110...122	AP09 / SP09
	123...135	AP10 / SP10
	136...148	AP11 / SP11
	149...161	AP12 / SP12
	162...174	AP13 / SP13
	175...187	AP14 / SP14
	188...190	AP15 / SP15
	191...203	AP16 / SP16
	204...216	AP17 / SP17
217...255	AP18 / SP18	
3	Strobe LEDs	
	0...5	Blackout
	6...24	AF01 / SF01
	25...43	AF02 / SF02
	44...62	AF03 / SF03
	63...81	AF04 / SF04
	82...100	AF05 / SF05
	101...119	AF06 / SF06
	120...138	AF07 / SF07
139...157	AF08 / SF08	

Channel	Value	Function
	158...176	AF09 / SF09
	177...195	AF10 / SF10
	196...214	AF11 / SF11
	215...233	White strobe light bright
	234...255	UV strobe light bright
4	Speed	
	0...250	Programme speed increasing
	21...255	Sound control

7.5 Functions in 5-channel DMX mode

Channel	Value	Function
LED spots and derby effects		
1	0...255	Red intensity (0% to 100%)
2	0...255	Green intensity (0% to 100%)
3	0...255	Blue intensity (0% to 100%)
4	0...191	Dimmer (0% to 100%), colour selection with channel 1...3
	192...200	Sound-controlled strobe effect (white)
	201...249	Strobe effect with increasing speed, 30 Hz at max, colour selection with channel 1...3
	250...255	All LEDs on
5	Motor control (derby effects)	
	0...4	Stopped
	5...127	Clockwise rotation, speed increasing
	128...133	Stopped
	134...255	Anti-clockwise rotation, speed increasing

7.6 Functions in 7-channel DMX mode

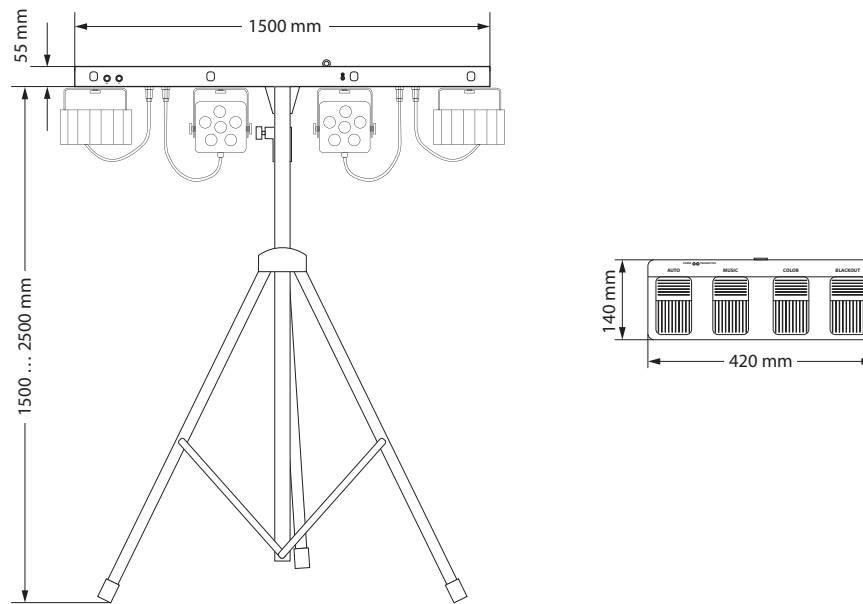
Channel	Value	Function
LED spots and derby effects		
1	0...255	Red intensity (0% to 100%)
2	0...255	Green intensity (0% to 100%)
3	0...255	Blue intensity (0% to 100%)
4	0...191	Overall brightness (0% to 100%)
	192...200	Sound-controlled strobe effect
	201...249	Strobe effect with increasing speed, 30 Hz at max
	250...255	All LEDs on
5	Motor control	
	0...4	Stopped
	5...127	Clockwise rotation, speed increasing
	128...133	Stopped
	134...255	Anti-clockwise rotation, speed increasing
Strobe LEDs		
6	White	
	0...4	Blackout
	5...9	LEDs on
	10...255	Strobe effect with increasing speed
7	UV	
	0...4	Blackout
	5...9	LEDs on
	10...255	Strobe effect with increasing speed

7.7 Functions in 25-channel DMX mode

Channel	Value	Function
Derby effect 1		
1	0...255	Red intensity (0% to 100%)
2	0...255	Green intensity (0% to 100%)
3	0...255	Blue intensity (0% to 100%)
4	0...9	No function
	10...255	Strobe effect with increasing speed, 30 Hz at max
5	Motor control	
	0...4	Stopped
	5...127	Clockwise rotation, speed increasing
	128...133	Stopped
	134...255	Anti-clockwise rotation, speed increasing
LED spot 1		
6	0...255	Red intensity (0% to 100%)
7	0...255	Green intensity (0% to 100%)
8	0...255	Blue intensity (0% to 100%)
9	0...9	No function
	10...255	Strobe effect with increasing speed, 30 Hz at max, colour selection with channel 6...8
10	0...255	No function
LED spot 2		
11	0...255	Red intensity (0% to 100%)
12	0...255	Green intensity (0% to 100%)
13	0...255	Blue intensity (0% to 100%)
14	0...9	No function
	10...255	Strobe effect with increasing speed, 30 Hz at max, colour selection with channel 11...13
15	0...255	No function
Derby effect 2		
16	0...255	Red intensity (0% to 100%)
17	0...255	Green intensity (0% to 100%)
18	0...255	Blue intensity (0% to 100%)
19	0.....	No function
	10...255	Strobe effect with increasing speed, 30 Hz at max
20	Motor control	
	0...4	Stopped
	5...127	Clockwise rotation, speed increasing
	128...133	Stopped

Channel	Value	Function
	134...255	Anti-clockwise rotation, speed increasing
Strobe LEDs		
21	LED 1, white	
	0...4	Blackout
	5...9	LED on
	10...255	Strobe effect with increasing speed
22	LED 2, white	
	0...4	Blackout
	5...9	LED on
	10...255	Strobe effect with increasing speed
23	LED 3, white	
	0...4	Blackout
	5...9	LED on
	10...255	Strobe effect with increasing speed
24	LED 4, white	
	0...4	Blackout
	5...9	LED on
	10...255	Strobe effect with increasing speed
25	UV	
	0...4	Blackout
	5...9	LEDs on
	10...255	Strobe effect with increasing speed

8 Technical specifications



Light source	LED spots	12 × RGB-LED, each 9 W
	Derby effects	12 × RGB-LED, each 3 W
	Strobe LEDs	4 × LEDs (white and ultraviolet), each 2 W
Distance to illuminated area	0.5 m	
Control	DMX, wireless foot switch, buttons and display on the device, infrared remote control	
Number of DMX channels	4, 5, 7 or 25	
Input connections	Power supply	Rubber panel plug
	DMX control	XLR panel plug, 3-pin
Output connections	Power supply for further devices	Rubber panel socket Output current, max.: 6 A
	DMX control	XLR panel socket, 3-pin
Power consumption	130 W	
Power factor	0.55	
Rated current	1.0 A @230 V	
Supply voltage	100 - 240 V ~ 50/60 Hz	
Fuse	5 mm × 20 mm, 3.15 A, 250 V, slow blow	
Frequency range	433 MHz	
Max. transmission power	10 dBm	
Battery of the wireless foot switch (available as an option)	Battery type	1 × non-rechargeable block battery
	Voltage	9 V
Remote control battery (available as an option)	Battery type	1 × non-rechargeable lithium button cell CR2025
	Voltage	3 V
International Protection Rating	IP20	

Technical specifications

Mounting options	Standing, hanging	
Width of LED bar	1,500 mm	
Height of LED bar including stand	Max. 2,500 mm	
Weight	8.8 kg	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	20%...80% (non-condensing)

Further information

Similar design	Combination device
Including spotlight	Yes
Including effects devices	Yes
Including controller	Radio foot switch, infrared remote control
Including stand	Yes
Including case/bag	Yes

9 Plug and connection assignment

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

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 is not working, no light, the fan is not running	Check the power supply and main fuse.
No response to the DMX controller	<ol style="list-style-type: none"> 1. If the display shows a flashing number, for example "001", no DMX signal is being received. Check the DMX connectors and cables for proper connection. 2. If the display does not flash and there is no response, check the address settings and DMX polarity. 3. Try using another DMX controller. 4. Check whether the DMX cables run near or parallel to high-voltage cables that may cause damage or interference to a DMX interface circuit.
Unintended light effects	Make sure that the DMX channel assignments of the devices do not overlap, and that the DMX start address of devices with independent control is always higher by the number of channels that have been set for the DMX mode on another device.
No response to the infrared remote control	<ol style="list-style-type: none"> 1. Check the battery of the infrared remote control. 2. Try the infrared remote control at a different angle to the receiver on the front of the device. 3. Decrease the distance between the infrared remote control and the LED bar.
No response to the wireless foot switch	<ol style="list-style-type: none"> 1. Check the battery of the wireless foot switch. 2. Check the 'SYS' menu to determine whether the interface for the radio foot switch is active. 3. Decrease the distance between the wireless foot switch and the LED bar.

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.

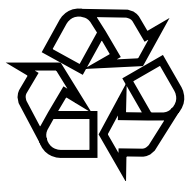
- Clean with a soft cloth using our lamp and lens cleaner (item no. 280122).
- Always dry the parts carefully.

Fan grids

The fan grids of the device must be cleaned of any contamination, such as dust, etc. on a regular basis. Before cleaning, switch off the device and disconnect mains-operated devices from the mains. Only use pH-neutral, solvent-free and non-abrasive cleaning agents. Clean the unit with a slightly damp lint-free cloth.

12 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.

Disposing of lithium batteries



As an end user, you are obliged to dispose of lithium batteries responsibly as they contain hazardous substances that, if improperly handled, can endanger the environment, health and safety. Always pay attention to the symbol of the crossed-out waste container – it indicates that batteries must be collected separately.

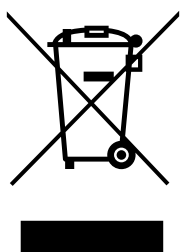
Before disposal, check whether lithium batteries can still be used in other devices. You can pass on used but still functional lithium batteries for reuse. Take advantage of the return options offered so that lithium batteries can be reprocessed or recycled. Check local lithium battery reuse or reprocessing programs.

Never dispose of lithium batteries via household waste or by illegally dumping them in the environment, but always separate them from other waste. Improper disposal can release harmful substances and cause significant hazards to humans and nature.

Only dispose of lithium batteries in line with the local regulations on the disposal of hazardous waste. Use the available collection sites or contact your local waste disposal facility. Only dispose of lithium batteries when they are empty. Take out any removable lithium batteries from the device before disposal if this is possible without destroying it. Protect used lithium batteries against short circuit, for example by taping the poles. Dispose of permanently installed lithium batteries together with the device. Check for an appropriate collection facility.

By following these instructions, you are making an important contribution to the protection of people and the environment.

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.





