



Compact LED-Bar
4 TriPAR CLB4
LED lighting set

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1 General notes

This user manual contains important information on 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 other users, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Symbols and signal words

This section provides an overview of the symbols and signal words used in this user 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 signs	Type of danger
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to be used as an electronic illumination effect using LED technics. 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.

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.



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 cover the device nor any ventilation slots. Do not place 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.



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.

3 Features

The LED lighting set is particularly suitable for lighting applications in clubs or discos, on rock stages as well as in theatres and musicals.

Special features of this device:

- 4 LED spots with 7 TRI-Colour LEDs each
- Control via DMX (6 different modes)
- 16 preprogrammed automatic shows
- Sound control
- Master / slave mode
- Easy transport, easy mounting
- An additional carrying bag is included.

4 Installation

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

**NOTICE!****Risk of overheating**

Always ensure 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 output to audio devices such as mixers or amplifiers.

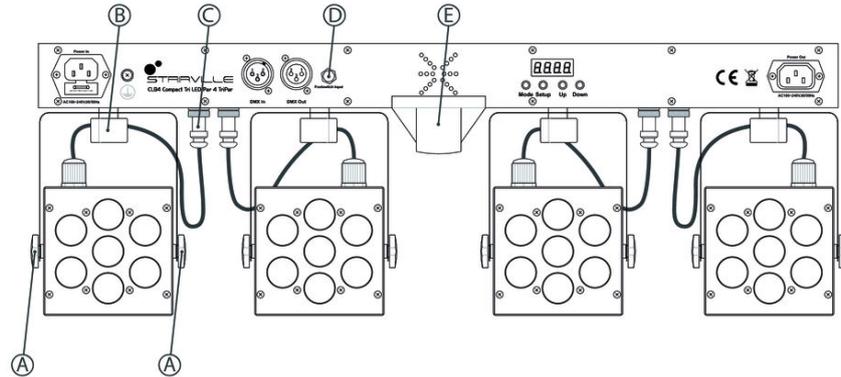
DMX connections

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 pin the assignment of a suitable XLR plug.

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

Pre-mounted spots

The four spots (1 ... 4, right to left) are pre-mounted on the T-bar.



A	Locking screw for fixing the inclination angle.
B	Locking screw for fixing the spots on the T-bar and the horizontal orientation (dispersion direction).
C	Electrical connection of the spot at the T-bar (pre-mounted).

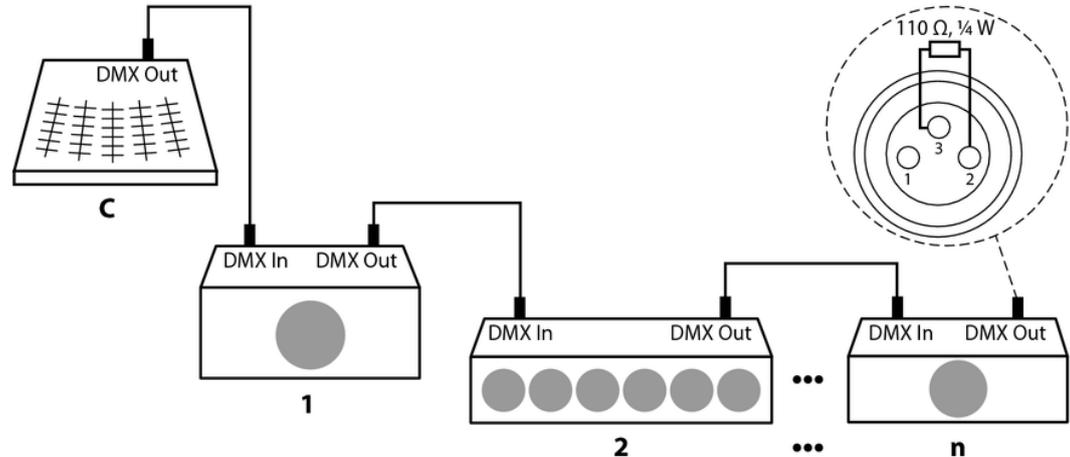
D	1/4" phone socket to connect a foot controller.
E	Flange 36 mm to attach the T-bar on a tripod.

5 Starting up

Establish all connections as long as the unit is switched off. Use the shortest possible high-quality cables for all connections.

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 ($110\ \Omega$, $\frac{1}{4}\ \text{W}$).



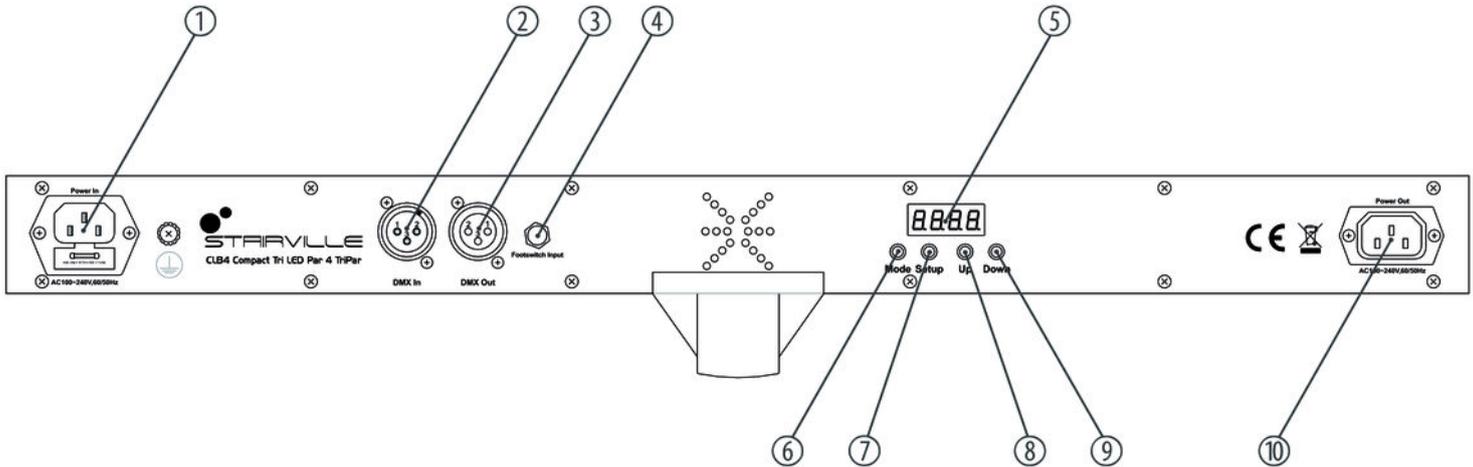
DMX indicator

When the display is flashing in 'DMX' mode, no DMX signal is received. Perhaps the DMX controller is off or the wiring is incorrect. If the display lights up solid, the device is receiving 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



Compact LED-Bar 4 TriPAR CLB4

1	Power In IEC chassis connector for operating voltage supply with fuse holder.
2	DMX In DMX input.
3	DMX Out DMX output.
4	Footswitch Input 1/4" phone socket for foot controller connection.
5	Display.
6	<i>[Mode]</i> button Activates the main menu and toggles between menu items. Closes an opened submenu.
7	<i>[Setup]</i> button Selects an option of the respective operating mode, confirms the selected value.

8	<i>[Up]</i> button Increases the displayed value by one.
9	<i>[Down]</i> button Decreases the displayed value by one
10	Power Out IEC chassis socket for the power supply cable to the next unit.

7 Operation

7.1 Starting up the device

Connect the unit to the power grid to start operation.

7.2 Device functions

All functions are controlled via buttons and display on the unit.

7.3 Foot switch

You can also control several device functions using an optional foot switch. Please note the following table for the function assignment.

Auto Run	<p>Press the button repeatedly until the display shows 'AUTO' to activate the 'Automatic' mode (13 programmes run automatically in sequence).</p> <p>Press the switch in a running programme to jump into the next one. If you press the switch in programme 13, the sequence restarts with programme 1.</p>
Sound Active	<p>Press the button once to activate the 'Sound-control' mode.</p> <p>Press the button again to toggle between the 16 available sound modes.</p>
Freeze	<p>Press the button once to pause a running programme.</p> <p>Press the button again to let the programme continue.</p>
Blackout	<p>Press the button once to turn off a running programme.</p> <p>Press the button again to return to the previous mode.</p>

7.4 Main menu

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

If you don't press any button for about 30 seconds, the display turns off. Press any key to reactivate the display showing the last menu.

The set values are retained even if you disconnect the device from the mains.

Operating mode 'Preprogrammed automatic show'

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 'Pr.xx'. Now you can select one of the preprogrammed automatic shows. Use *[Up]* and *[Down]* to select a value between 'Pr.01' and 'Pr.14'.

Programme 01 settings:

For 'Pr.01', you can choose from 7 colours or blackout. Press *[Setup]* and select one of the colours with *[Up]* and *[Down]*.

Press *[Setup]* again to adjust the flash frequency. The display shows 'FS00'. Now you can select a value between 'FS00' (slow) and 'FS99' (fast) with *[Up]* and *[Down]*.

Programme 02 to 14 settings:

Press *[Setup]* again to adjust the programme speed. The display shows 'SPxx'. Now you can select a value between 'SP01' (slow) and 'SPFL' (fast) with *[Up]* and *[Down]*.

Press *[Setup]* again to adjust the flash frequency. The display shows 'FS00'. Now you can select a value between 'FS00' (slow) and 'FS99' (fast) with *[Up]* and *[Down]*.

Operating mode 'Automatic'

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'. The programmes 'Pr02' to 'Pr14' start automatically.

Press *[Setup]* to set the programme speed. The display shows 'SPxx'. Now use *[Up]* and *[Down]* to select a value between 'SP01' (slow) and 'SPFL' (fast).

Press *[Setup]* again to set the flash frequency. The display shows 'FS00'. Now use *[Up]* and *[Down]* to select a value between 'FS00' (slow) and 'FS99' (fast).

DMX mode

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

Press *[Mode]* repeatedly until the display shows 'd.001'.

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 'd.001' ... 'd.512').

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
3-channel	510
4-channel	509
8-channel	505
14-channel	499
2-channel	511
7-channel	506

Press *[Setup]*, then you can select one of the following DMX operating modes with *[Up]* and *[Down]*:

- '3-ch' (three channels)
- '4-ch' (four channels)
- '8-ch' (eight channels)
- '14ch' (fourteen channels)
- '2-ch' (two channels)
- '7-ch' (seven channels)

Operating mode 'Slave'

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'.

Sound-control

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 'SOud'. This will activate a sound-controlled automatic show.

Press *[Setup]* and use *[Up]* and *[Down]* to select a sound-control mode 'SO.01' ... 'SO.16'.

Press *[Setup]* again and adjust the sound-control sensitivity with *[Up]* and *[Down]* in a range from 'SV.00' to 'SV.31'.

Constant unicoloured pattern

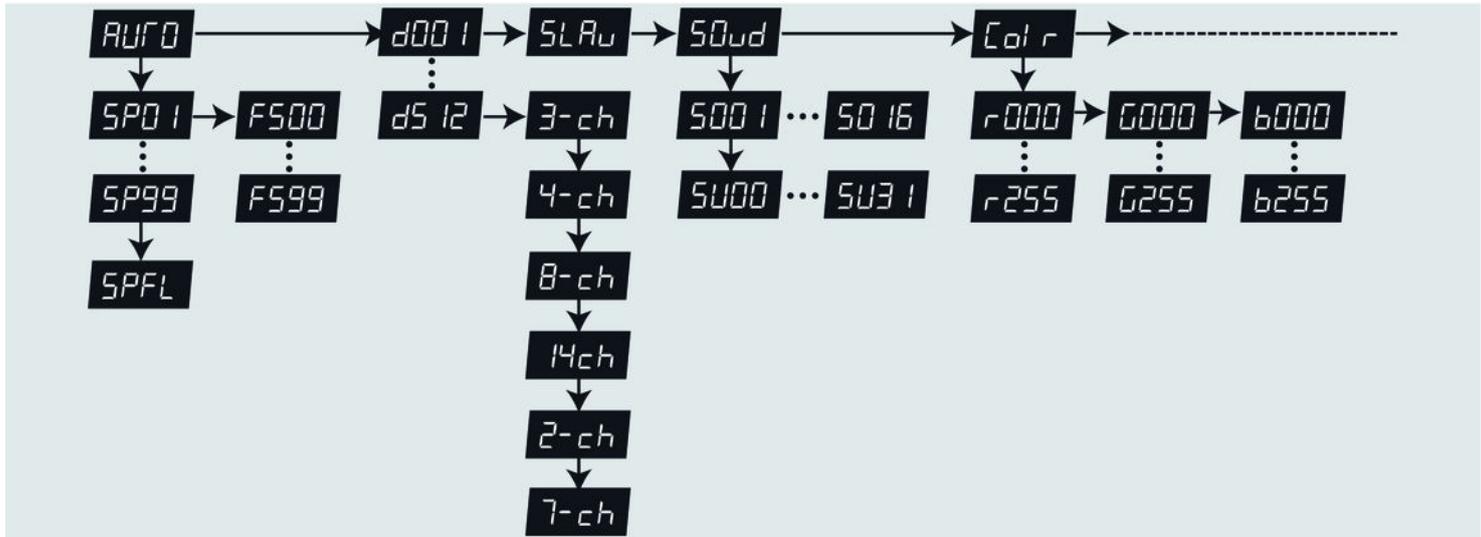
A constant unicoloured pattern can only be activated if the unit is working in stand-alone mode or as master device in a master / slave combination. This setting is only relevant if the unit is not controlled via DMX.

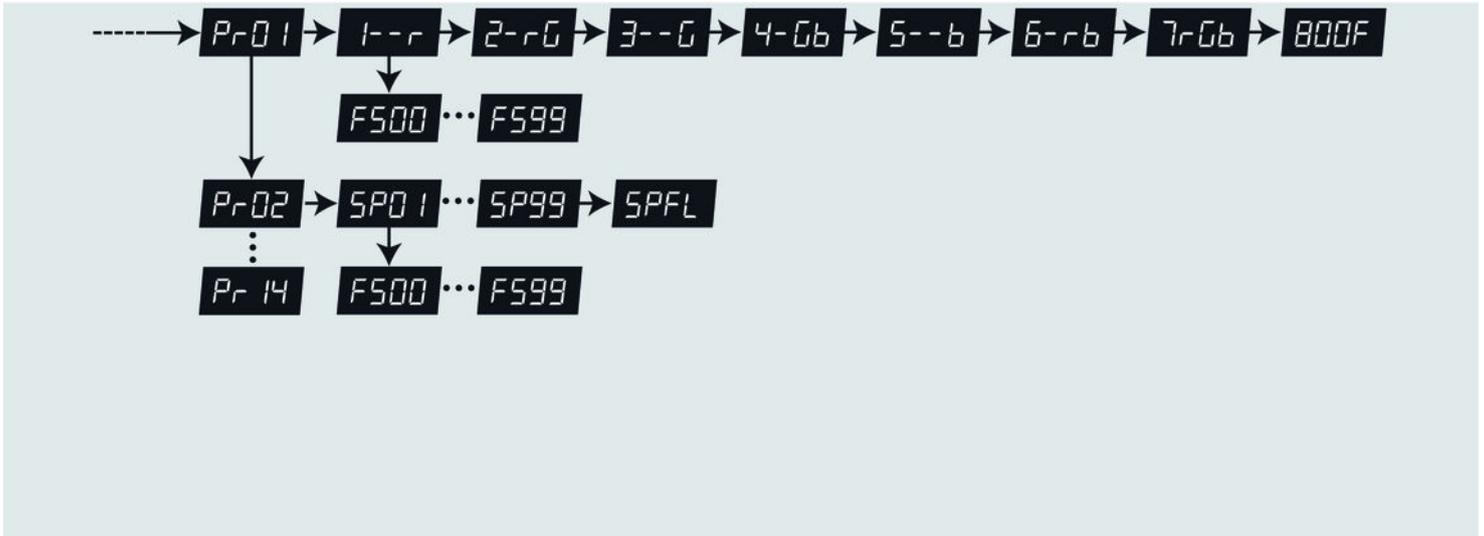
Press *[Mode]* repeatedly until the display shows 'Colr'. Press *[Setup]*. The display shows the setting for of the base colours ('r.xxx' or 'G.xxx' or 'b.xxx'). Press *[Setup]*, to change between the colours.

Use *[Up]* and *[Down]* to set the colour intensity:

Display	Description
'r.000' ... 'r.255'	Red
'G.000' ... 'G.255'	Green
'b.000' ... 'b.255'	Blue

7.5 Menu overview





7.6 Functions in 2-channel DMX mode

Channel	Value	Function
1	0...9	LEDs off
	10...19	Constant unicoloured pattern in red for all LEDs
	20...29	Constant unicoloured pattern in yellow for all LEDs
	30...39	Constant unicoloured pattern in green for all LEDs
	40...49	Constant unicoloured pattern in cyan for all LEDs
	50...59	Constant unicoloured pattern in blue for all LEDs
	60...69	Constant unicoloured pattern in purple for all LEDs
	70...79	Constant unicoloured pattern in white for all LEDs
	80...89	Preprogrammed automatic show no. 1, speed setting via channel 2
		:
	230...239	Preprogrammed automatic show no. 16, speed setting via channel 2

Channel	Value	Function
	240...255	Sound-controlled show
2	0...255	Increasing speed
	Channel 1 = 240...225	
	0...255	Sound mode 1...16

7.7 Functions in 3-channel DMX mode

Channel	Value	Function
1	0...255	Intensity red (0 % to 100 %) for all LEDs
2	0...255	Intensity green (0 % to 100 %) for all LEDs
3	0...255	Intensity blue (0 % to 100 %) for all LEDs

7.8 Functions in 4-channel DMX mode

Channel	Value	Function
1	0...255	Intensity red (0 % to 100 %) for all LEDs
2	0...255	Intensity green (0 % to 100 %) for all LEDs
3	0...255	Intensity blue (0 % to 100 %) for all LEDs
4	0...255	Dimmer (0 % to 100 %)

7.9 Functions in 7-channel DMX mode

Channel	Value	Function
1	0...255	Intensity red (0 % to 100 %) for all LEDs
2	0...255	Intensity green (0 % to 100 %) for all LEDs

Channel	Value	Function
3	0...255	Intensity blue (0 % to 100 %) for all LEDs
4	0...9	Manual mode, colours are adjustable via channels 1 to 3
	10...19	Constant unicoloured pattern in red for all LEDs
	20...29	Constant unicoloured pattern in yellow for all LEDs
	30...39	Constant unicoloured pattern in green for all LEDs
	40...49	Constant unicoloured pattern in cyan for all LEDs
	50...59	Constant unicoloured pattern in blue for all LEDs
	60...69	Constant unicoloured pattern in purple for all LEDs
	70...79	Constant unicoloured pattern in white for all LEDs
	80...89	Preprogrammed automatic show no. 1
		⋮
	230...239	Preprogrammed automatic show no. 16
	240...255	Sound-controlled show

Channel	Value	Function
5	0...255	Increasing speed
	Channel 4 = 240...255	
	0...255	Sound mode 1...16
6	Channel 4 = 0...239	
	0...255	Strobe effect, increasing speed
7	Channel 4 = 0...239	
	0...255	Dimmer (0 % to 100 %)

7.10 Functions in 8-channel DMX mode

Channel	Value	Function
1	0...255	Intensity red (0 % to 100 %) for all LEDs of spots 1 and 2
2	0...255	Intensity green (0 % to 100 %) for all LEDs of spots 1 and 2
3	0...255	Intensity blue (0 % to 100 %) for all LEDs of spots 1 and 2
4	0...255	Intensity red (0 % to 100 %) for all LEDs of spots 3 and 4
5	0...255	Intensity green (0 % to 100 %) for all LEDs of spots 3 and 4
6	0...255	Intensity blue (0 % to 100 %) for all LEDs of spots 3 and 4
7	0...255	Strobe effect, increasing speed for all LEDs of spots 3 and 4
8	0...255	Dimmer (0 % to 100 %)

7.11 Functions in 14-channel DMX mode (mode 4)

Channel	Value	Function
1	0...255	Intensity red (0 % to 100 %) for all LEDs of spot 1
2	0...255	Intensity green (0 % to 100 %) for all LEDs of spot 1
3	0...255	Intensity blue (0 % to 100 %) for all LEDs of spot 1
4	0...255	Intensity red (0 % to 100 %) for all LEDs of spot 2
5	0...255	Intensity green (0 % to 100 %) for all LEDs of spot 2
6	0...255	Intensity blue (0 % to 100 %) for all LEDs of spot 2
7	0...255	Intensity red (0 % to 100 %) for all LEDs of spot 3
8	0...255	Intensity green (0 % to 100 %) for all LEDs of spot 3
9	0...255	Intensity blue (0 % to 100 %) for all LEDs of spot 3
10	0...255	Intensity red (0 % to 100 %) for all LEDs of spot 4
11	0...255	Intensity green (0 % to 100 %) for all LEDs of spot 4

Channel	Value	Function
12	0...255	Intensity blue (0 % to 100 %) for all LEDs of spot 4
13	0...255	Strobe effect, increasing speed
14	0...255	Dimmer (0 % to 100 %)

8 Technical specifications

Number of DMX channels	depending on operating mode 2, 3, 4, 7, 8, or 14 channels
Illuminant	28 × 3 W TRI-Colour LEDs (7 × per spot)
Dispersion angle	approx. 45°
Operating supply voltage	AC 100 ... 240 V ~, 50 ... 60 Hz
Power consumption	80 W/240 V, 82 W/110 V
Fuse	1.0 A/240 V, 2.0 A/110 V
Dimensions (W × D × H)	682 mm × 270 mm × 60 mm
Weight	5.4 kg

9 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 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	<ol style="list-style-type: none"> <li data-bbox="887 295 1516 423">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. <li data-bbox="887 428 1516 501">2. If the display does not flash and still no response, check the address settings and the DMX polarity. <li data-bbox="887 507 1516 555">3. Try using another DMX controller. <li data-bbox="887 561 1516 645">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.

10 Cleaning

Optical lenses

Clean the exterior of accessible optical lenses periodically to optimise 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 normal glass cleaning products.
- Always dry the parts carefully.

11 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 device is subject to the European directive 2002/96/EC.

Do not dispose of the device 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.

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