



CLB5 6P RGB WW  
Compact LED Bar  
LED lighting set

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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](http://www.thomann.de).

## 1.1 Further information

On our website ([www.thomann.de](http://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
<b>DANGER!</b>	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.
<b>WARNING!</b>	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.
<b>NOTICE!</b>	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 signs	Type of danger
	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 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 life of the device by regular breaks in operation and avoid switching it on and off frequently. This device is not suitable for continuous use.

**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!**

**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.



### **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 short-circuits**

Short-circuits may cause irreparable damages of the device. They can occur when you remove or change cables of the spots during operation.

Disconnect the device from the power supply before you change the cabling.



**NOTICE!**

**Damages due to disconnection during operation**

Only operate the unit when all spotlights are connected.

The disconnection of LED spotlights during operation may damage the unit. Disconnect the unit from the power supply before disconnecting LED spotlights.

### 3 Features

The LED lighting set is particularly suitable for lighting applications in clubs and discotheques, on rock stages, in theatres and musicals.

Special features of the device:

- six flat PARs with each seven 4-in-1 LEDs (RGB WW, 4 Watt)
- Control options:
  - DMX-512
  - Buttons and display on the unit
  - IR remote control (item no. 354223, included)
  - wireless foot switch, (item no. 370552, optionally available)
  - tethered foot switch, (item no. 279058, optionally available)
- 38 preprogrammed automatic shows
- Sound control
- Master / Slave mode
- easy transport, easy mounting on tripod (optionally available)
- Gig 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.

## 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!**

**Damages due to disconnection during operation**

Only operate the unit when all spotlights are connected.

The disconnection of LED spotlights during operation may damage the unit. Disconnect the unit from the power supply before disconnecting LED spotlights.



**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.

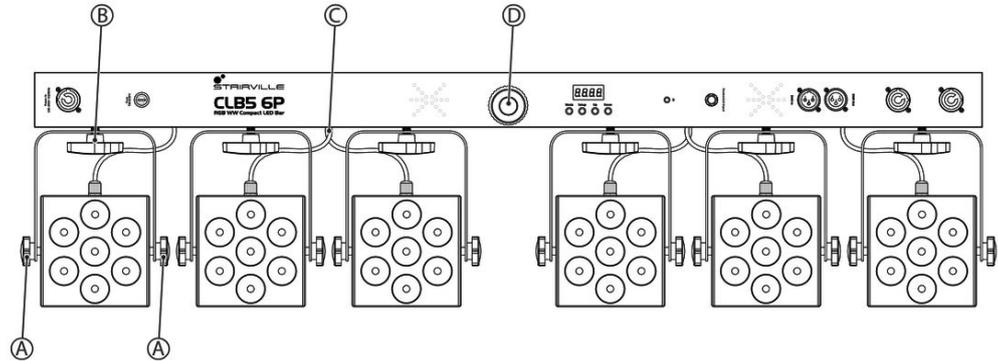
Never connect the DMX input or output to audio devices such as mixers or amplifiers.



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

## Pre-mounted spots

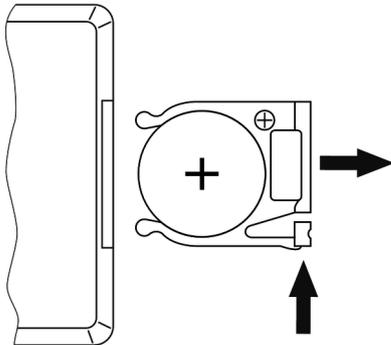
The six spots are pre-mounted on the T-bar.



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	35mm flange for mounting the T-bar on a tripod (optionally available)

### 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.

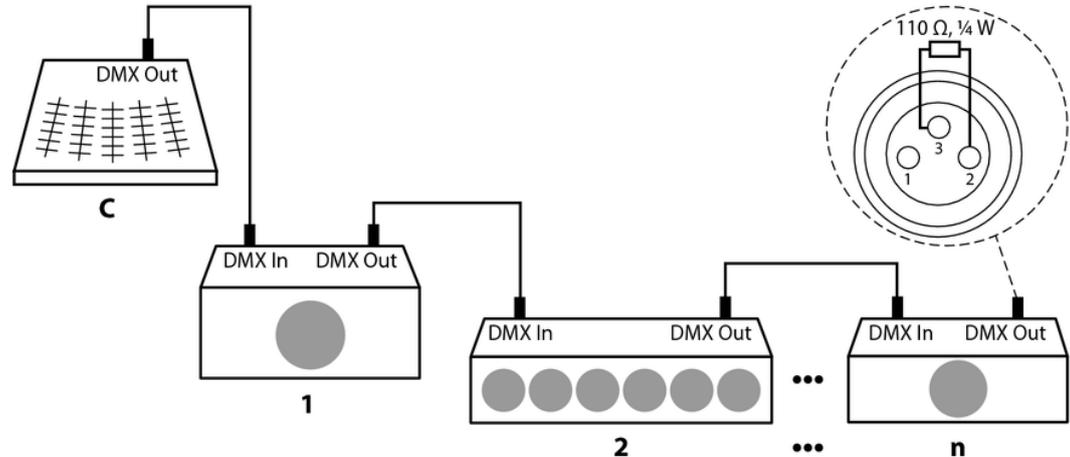
When shipping, the battery is already installed in the remote and protected against discharge by a transparent plastic foil. Remove the plastic foil prior to first use.

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



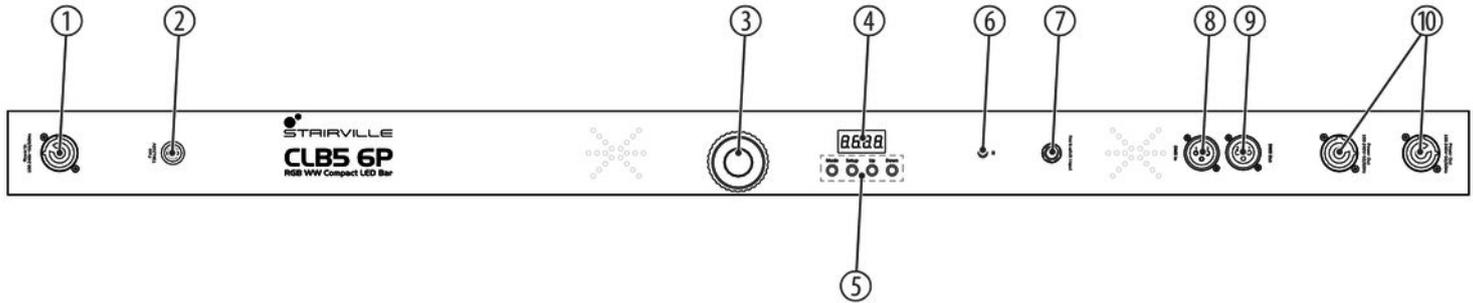
### **DMX indicator**

If the dot after the last digit in the display does not flash in 'DMX' mode, no DMX signal is received. Maybe the DMX controller is not switched on or there is a cabling error. When the dot after the last digit of the display flashes, 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 controls

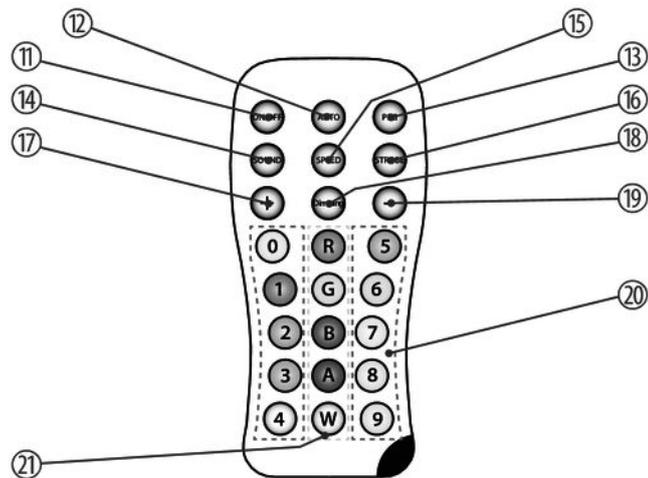


CLB5 6P RGB WW Compact LED Bar

1	<i>[Power In]</i> Lockable input socket (Power Twist) for power supply
2	<i>[Fuse]</i> Fuse holder
3	35mm flange for mounting the T-bar on a tripod (optionally available)
4	Display
5	<i>[Mode]</i> Activates the main menu and toggles between menu items. Closes an opened submenu.
	<i>[Setup]</i> Selects an option of the respective operating mode, confirms the set value.
	<i>[Up]</i> Increases the displayed value by one.
	<i>[Down]</i> Decreases the displayed value by one.

6	<i>[IR]</i> Infrared sensor for the remote control signals
7	<i>[Foot switch Input]</i> 1/4" phone socket to connect the foot controller unit
8	<i>[DMX In]</i> DMX input
9	<i>[DMX Out]</i> DMX output
10	<i>[Power Out]</i> Lockable output sockets (Power Twist) for the power supply of further units

**IR remote control**



11	<i>[ON/OFF]</i> Button to turn the device on and off.
12	<i>[AUTO]</i> Activates the 'Automatic' mode.
13	<i>[PRG]</i> Activates the operating mode 'Preprogrammed automatic show'.
14	<i>[SOUND]</i> Activates the sound-control.
15	<i>[SPEED]</i> Adjusts the process speed in 'Preprogrammed automatic show' mode.
16	<i>[STROBE]</i> Activates the strobe effect in 'Preprogrammed automatic show' mode.
17	<i>[+]</i> Increases the displayed value by one.

18	<p><i>[Dimming]</i></p> <p>Calls up the setting of a fixed colour. Now you can set the brightness value for each colour by pressing <i>[+]</i> or <i>[-]</i>. The setting does not affect the internal programmes.</p>
19	<p><i>[-]</i></p> <p>Decreases the displayed value by one.</p>
20	<p><i>[0] ... [9]</i></p> <p>Numeric keys.</p>
21	<p>Buttons for colour selection.</p> <p>Use</p> <ul style="list-style-type: none"><li>■ <i>[W]</i> for white light,</li><li>■ <i>[A]</i> for amber light,</li><li>■ <i>[R]</i>, <i>[G]</i> or <i>[B]</i> for primary colours red, green and blue,</li><li>■ the coloured buttons for directly selecting a mixed colour.</li></ul>

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## 7 Operating

### 7.1 Starting the device

Connect the device to the power supply to start operation.

### 7.2 Device functions

All functions are controlled via buttons and display on the unit or via the included remote control.

### 7.3 Foot switch

Some devices functions can also be controlled using an optional wireless (item no. 370552) or tethered (item no.279058) foot switch. Please note the following table for the function assignment.

<b>Auto Run / Program</b>	<p>Press the switch repeatedly until the display shows 'AUTO' to activate the 'Automatic' mode (38 programmes run automatically in sequence).</p> <p>Press the switch in a running programme to jump into the next programme. If you press the switch in programme 38, the sequence restarts with programme 1.</p>
<b>Sound Active</b>	<p>Press the switch repeatedly until the display shows 'Soud' to activate the 'Sound control' mode.</p>
<b>Freeze</b>	<p>Press the button once to pause a running programme.</p> <p>Press the button again to let the programme continue.</p>
<b>Blackout</b>	<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 IR remote control

The device can only be IR remote controlled if it's neither working in a Master / Slave configuration nor DMX-controlled.

**Switching on / off**

Use *[ON/OFF]* to turn the device on or off.

**Operating mode 'Automatic'**

Press *[AUTO]*. The playback of 'Pr.01' to 'Pr.38' starts automatically.

**Operating mode 'Preprogrammed automatic show'**

Press *[PRG]*. Use *[+]* and *[-]* to select a value between 'Pr.01' and 'Pr.38'.

Press *[STROBE]* and then use *[+]* and *[-]* to select a value between 'FS.00' (slow) and 'FS.99' (fast) to enable a Strobe effect. Press *[STROBE]* again to disable the Strobe effect.

Press *[SPEED]* and then use *[+]* and *[-]* to select a value between 'SP.01' (slow) and 'SP.FL' (fast) to set the running speed of the programmes 'Pr.02' to 'Pr.38'.

**Sound control**

Press *[SOUND]*. This activates a sound controlled automatic show.

Use *[+]* and *[-]* to select one of the programmed sound control shows in a range from 'SO.01' to 'SO.38'. Then use *[+]* and *[-]* to select a value between 'SU.00' and 'SU.31' to adjust the sensitivity for the sound control.

**Dimming**

Press *[Dimming]* to adjust the brightness of the primary colours. Press *[R]* (red), *[G]* (green) or *[B]* (blue) or *[W]* (white) and then use *[+]* and *[-]* to select a value between 0 and 255.

### Colour selection

Use the coloured buttons to select a colour tone in any mode. The following assignment applies:

Button	Colour	Button	Colour	Button	Colour
0	Cyan	5	Light red	R	Red
1	Purple	6	Light green	G	Green
2	Magenta	7	Bright blue	B	Blue
3	Orange	8	Yellow	A	Amber
4	Cold white	9	Warm white	W	White

### Reset to factory default setting

To reset the device to factory default setting, press *[ON/OFF]* and then successively *[9]*, *[8]* and *[7]*.

## 7.5 Operating on the unit

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 indicated value. When the display shows the desired value press *[Mode]*.

If you do not press any key for about 20 seconds, the display will be blanked. It will be reactivated to display the previously shown menu by pressing any button.

The set values are retained even when the device is disconnected from the mains power supply.

### Operating mode 'Automatic'

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

Press *[Mode]* repeatedly until the display shows 'AUTO'. The playback of programmes 'Pr.02' to 'Pr.38' starts automatically.

### **Operating mode 'Preprogrammed automatic show'**

A preprogrammed automatic show can only be activated when the unit is operating in stand-alone mode or as master in a master / slave combination. This setting is only relevant if the device 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.38*'. Confirm with *[Setup]*.

#### **Settings for programme 01:**

For '*Pr.01*', you can choose from 14 colours, white or blackout. Press *[Setup]*. With *[Up]* and *[Down]* you can now select one of the colours. Confirm with *[Setup]*.

The following table shows the assignment of the values.

Value	Colour	Value	Colour	Value	Colour	Value	Colour
OFF	Blackout	1.--r	Red	2.--g	Green	3.--b	Blue
4.--u	White	5.--A	Amber	6.--rg	Orange	7.-ry	Yellow
8.-rb	Purple	9.-by	Magenta	10.gb	Light blue	11.yg	Light yellow
12.ru	Pink	13.gu	Light green	14.bu	White-blue	15.uu	Warm white

To adjust the strobe frequency, press again *[Setup]*. The display shows 'FS.00'. With *[Up]* and *[Down]* you can now select a value between 'FS.00' (slow) and 'FS.99' (fast).

### Settings for programmes 02 to 38:

To adjust the programme process speed, press again *[Setup]*. The display shows 'SP.xx'. With *[Up]* and *[Down]* you can now select a value between 'SP.01' (slow) and 'SP.FL' (fast). Confirm with *[Setup]*.

To adjust the strobe frequency, press again *[Setup]*. The display shows 'FS.xx'. With *[Up]* and *[Down]* you can now select a value between 'FS.00' (slow) and 'FS.99' (fast).

## DMX mode

This setting is only relevant when the device 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.510').

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

Mode	Highest possible DMX address
4-channel	509
6-channel	507
8-channel	505
24-channel	489
26-channel	487

Press *[Setup]*. With *[Up]* and *[Down]* you can now select one of the following DMX operating modes:

- '4-CH' (four channels)
- '6-ch' (six channels)
- '8-ch' (eight channels)
- '24CH' (twenty-four channels)
- '26CH' (twenty-six channels)

### Operating mode 'Slave'

This setting is only relevant if the device is serving as Slave in a Master / Slave configuration and is not controlled via DMX.

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

### Sound control

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

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

Press again *[Setup]* and activate with *[Up]* and *[Down]* one of the programmed shows of the sound control 'SO.01' to 'SO.38' and confirm with *[Setup]*.

Then use *[+]* and *[-]* to select a value between 'SU.00' and 'SU.31' to adjust the sensitivity for the sound control. Confirm with *[Setup]*.

If no sound is detected, the programme continues at low speed.

**Constant unicoloured pattern**

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

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

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

Display	Meaning
'r.000' ... 'r.255'	Red
'G.000' ... 'G.255'	Green
'b.000' ... 'b.255'	Blue
'U.000' ... 'U.255'	White

### Activating the wireless foot switch

In order to be able to operate the device via a wireless foot switch, the 'HEy' setting must be set to 'on' via the "SEt" menu.

Press [Mode] repeatedly until the display shows 'SEt'.

Press again [Setup] and use [Up] and [Down] to highlight the menu option 'HEy'.

Press again [Setup] and use [Up] and [Down] to highlight the 'on' option for activating the function. Then the device can be controlled by wireless foot switch.

To deactivate radio reception, proceed in the same way and highlight the option 'off'.



*In mains mode, switch the main switch on the underside of the wireless foot switch to [Off]. Otherwise, the wireless foot switch operates in battery mode despite a connected power supply unit and the inserted battery discharges accordingly.*

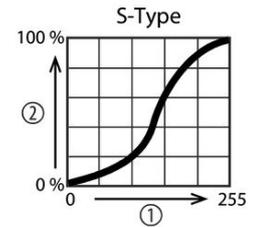
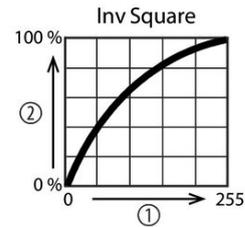
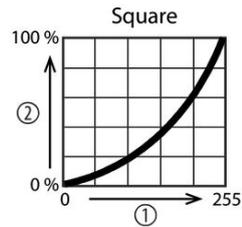
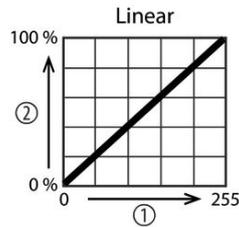
## Dimmer curve

Press *[Mode]* repeatedly until the display shows 'Set'. Press *[Setup]*. Use *[Up]* | *[Down]* to select the menu item 'Cur' and confirm with *[Setup]*.

With *[Up]* | *[Down]* you can select one of the following dimmer curves. The dimmer curve determines how the brightness increases or decreases depending on the set DMX value.

Display	Meaning
'Cu-1'	Linear (proportional) course
'Cu-2'	Quadratic curve with a flat profile at the beginning and a steep profile at the end (Square)
'Cu-3'	Inverted quadratic curve with a steep profile at the beginning and a flat profile at the end (Inv Square)
'Cu-4'	Non-linear curve with a distinctive flat profile at the beginning and the end (S-Type)

The below figure schematically shows the adjustable dimmer curves. Depending on the selected DMX value (1) the device lights with a brightness (2) between 0 % and 100 %. Confirm the selection with *[Setup]*. Press *[Mode]*.



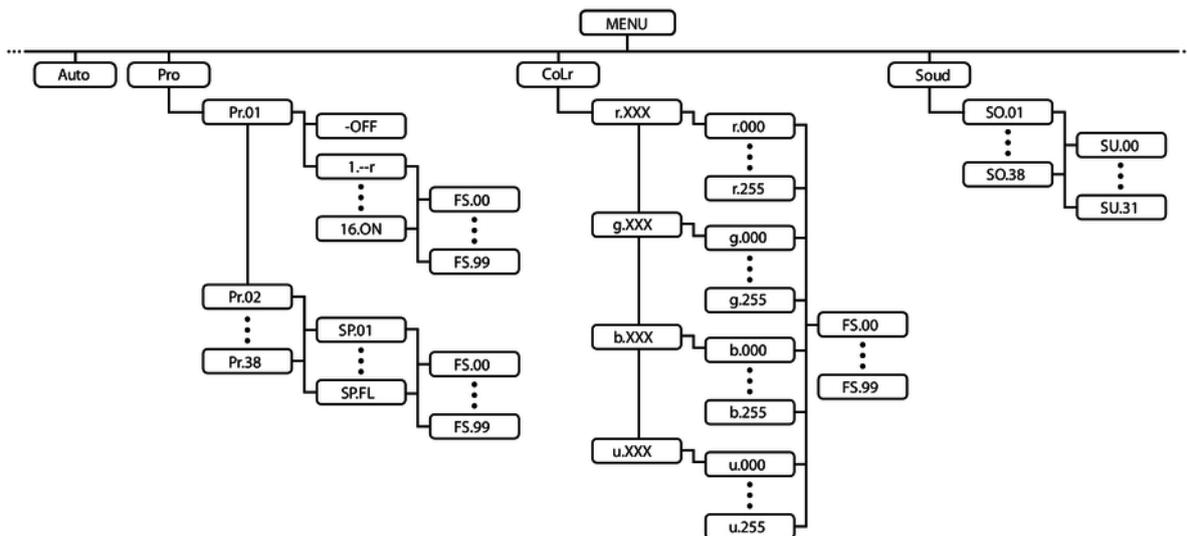
## Reset to factory default setting

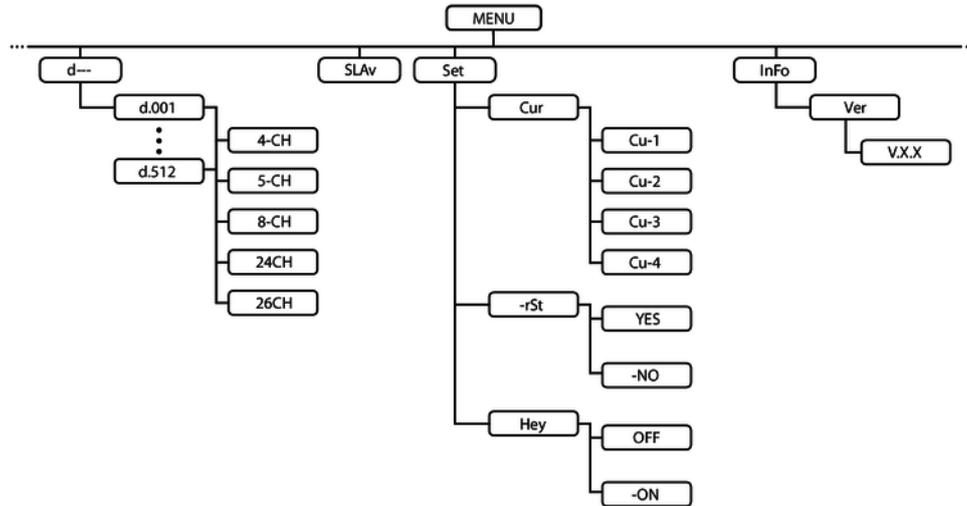
Press *[Mode]* repeatedly until the display shows 'Set'. Press *[Setup]*. Use *[Up]* | *[Down]* to select the menu item 'rSt' and confirm with *[Setup]*. Use *[Up]* | *[Down]* to select the menu item 'Yes' to reset the device to factory defaults or select the menu item '-NO' to retain the stored settings. Confirm the selection with *[Setup]*.

## Firmware version

Press *[Mode]* repeatedly until the display shows 'InFo'. Press *[Setup]*, the display shows 'Ver'. Press *[Setup]* to let the device show the Firmware version.

## 7.6 Menu overview





## 7.7 Functions in 4-channel DMX mode

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

## 7.8 Functions in 6-channel DMX mode

Channel	Value	Function
1	0 ... 255	Dimmer (0 % to 100 %)
2	0 ... 255	Intensity red (0 % to 100 %), for all LEDs together
3	0 ... 255	Intensity green (0 % to 100 %), for all LEDs together
4	0 ... 255	Intensity blue (0 % to 100 %), for all LEDs together
5	0 ... 255	Intensity white (0 % to 100 %), for all LEDs
6	0 ... 255	Stroboscope effect, increasing speed

## 7.9 Functions in 8-channel DMX mode

Channel	Value	Function
1	0 ... 255	Dimmer (0 % to 100 %)
2	0 ... 255	Intensity red (0 % to 100 %), for all LEDs together
3	0 ... 255	Intensity green (0 % to 100 %), for all LEDs together
4	0 ... 255	Intensity blue (0 % to 100 %), for all LEDs together
5	0 ... 255	Intensity white (0 % to 100 %), for all LEDs
6	0	No function
	1 ... 5	Preprogrammed automatic show 01
	6 ... 11	Preprogrammed automatic show 02
	12 ... 17	Preprogrammed automatic show 03
	18 ... 23	Preprogrammed automatic show 04
	24 ... 29	Preprogrammed automatic show 05

Channel	Value	Function
	30 ... 35	Preprogrammed automatic show 06
	36 ... 41	Preprogrammed automatic show 07
	42 ... 47	Preprogrammed automatic show 08
	48 ... 53	Preprogrammed automatic show 09
	54 ... 59	Preprogrammed automatic show 10
	60 ... 65	Preprogrammed automatic show 11
	66 ... 71	Preprogrammed automatic show 12
	72 ... 77	Preprogrammed automatic show 13
	78 ... 83	Preprogrammed automatic show 14
	84 ... 89	Preprogrammed automatic show 15
	90 ... 95	Preprogrammed automatic show 16
	96 ... 101	Preprogrammed automatic show 17
	102 ... 107	Preprogrammed automatic show 18

Channel	Value	Function
	108 ... 113	Preprogrammed automatic show 19
	114 ... 119	Preprogrammed automatic show 20
	120 ... 125	Preprogrammed automatic show 21
	126 ... 131	Preprogrammed automatic show 22
	132 ... 137	Preprogrammed automatic show 23
	138 ... 143	Preprogrammed automatic show 24
	144 ... 149	Preprogrammed automatic show 25
	150 ... 155	Preprogrammed automatic show 26
	156 ... 161	Preprogrammed automatic show 27
	162 ... 167	Preprogrammed automatic show 28
	168 ... 173	Preprogrammed automatic show 29
	174 ... 179	Preprogrammed automatic show 30
	180 ... 185	Preprogrammed automatic show 31

Channel	Value	Function
	186 ... 191	Preprogrammed automatic show 32
	192 ... 197	Preprogrammed automatic show 33
	198 ... 203	Preprogrammed automatic show 34
	204 ... 209	Preprogrammed automatic show 35
	210 ... 215	Preprogrammed automatic show 36
	216 ... 221	Preprogrammed automatic show 37
	222 ... 227	Preprogrammed automatic show 38
	228 ... 255	Sound-controlled show
7	Function depending on setting of channel 6	
	Channel 6 = 0	
	0...14	R: 0; G: 0; B: 0; W: 0;
	15...29	R: 255; G: 0; B: 0; W: 0;
	30...44	R: 0; G: 255; B: 0; W: 0;

Channel	Value	Function
	45...59	R: 0; G: 0; B: 255; W: 0;
	60...74	R: 0; G: 0; B: 0; W: 255;
	75...89	R: 255; G: 120; B: 0; W: 0;
	90...104	R: 255; G: 180; B: 0; W: 0;
	105...119	R: 255; G: 255; B: 0; W: 0;
	120...134	R: 255; G: 0; B: 255; W: 0;
	135...149	R: 255; G: 0; B: 120; W: 0;
	150...164	R: 0; G: 255; B: 255; W: 0;
	165...179	R: 255; G: 255; B: 0; W: 80;
	180...194	R: 255; G: 0; B: 0; W: 200;
	195...209	R: 0; G: 255; B: 0; W: 200;
	210...224	R: 0; G: 0; B: 255; W: 200;
	225...239	R: 255; G: 180; B: 20; W: 80;

Channel	Value	Function
	240...255	R: 255; G: 255; B: 255; W: 255;
	Function depending on setting of channel 6	
	Channel 6 = 1...227	
	0...255	Programme speed Pr.02...Pr.38
	Channel 6 = 228...255	
	0...255	Sound-controlled show 01 ... ..38
	8	0...255

## 7.10 Functions in 24-channel DMX mode

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

Channel	Value	Function
12	0...255	Intensity white (0 % to 100 %) for all LEDs spot 3
13	0...255	Intensity red (0 % to 100 %) for all LEDs spot 4
14	0...255	Intensity green (0 % to 100 %) for all LEDs spot 4
15	0...255	Intensity blue (0 % to 100 %) for all LEDs spot 4
16	0...255	Intensity white (0 % to 100 %) for all LEDs spot 4
17	0...255	Intensity red (0 % to 100 %) for all LEDs spot 5
18	0...255	Intensity green (0 % to 100 %) for all LEDs spot 5
19	0...255	Intensity blue (0 % to 100 %) for all LEDs spot 5
20	0...255	Intensity white (0 % to 100 %) for all LEDs spot 5
21	0...255	Intensity red (0 % to 100 %) for all LEDs spot 6
22	0...255	Intensity green (0 % to 100 %) for all LEDs spot 6
23	0...255	Intensity blue (0 % to 100 %) for all LEDs spot 6
24	0...255	Intensity white (0 % to 100 %) for all LEDs spot 6

## 7.11 Functions in 26-channel DMX mode

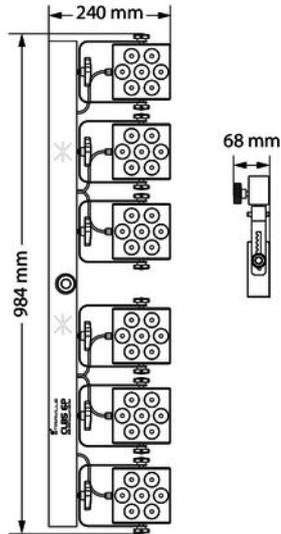
Channel	Value	Function
1	0 ... 255	Dimmer (0 % to 100 %)
2	0...255	Intensity red (0 % to 100 %) for all LEDs spot 1
3	0...255	Intensity green (0 % to 100 %) for all LEDs spot 1
4	0...255	Intensity blue (0 % to 100 %) for all LEDs spot 1
5	0...255	Intensity white (0 % to 100 %) for all LEDs spot 1
6	0...255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

Channel	Value	Function
12	0...255	Intensity blue (0 % to 100 %) for all LEDs spot 3
13	0...255	Intensity white (0 % to 100 %) for all LEDs spot 3
14	0...255	Intensity red (0 % to 100 %) for all LEDs spot 4
15	0...255	Intensity green (0 % to 100 %) for all LEDs spot 4
16	0...255	Intensity blue (0 % to 100 %) for all LEDs spot 4
17	0...255	Intensity white (0 % to 100 %) for all LEDs spot 4
18	0...255	Intensity red (0 % to 100 %) for all LEDs spot 5
19	0...255	Intensity green (0 % to 100 %) for all LEDs spot 5
20	0...255	Intensity blue (0 % to 100 %) for all LEDs spot 5
21	0...255	Intensity white (0 % to 100 %) for all LEDs spot 5
22	0...255	Intensity red (0 % to 100 %) for all LEDs spot 6
23	0...255	Intensity green (0 % to 100 %) for all LEDs spot 6
24	0...255	Intensity blue (0 % to 100 %) for all LEDs spot 6

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Channel	Value	Function
25	0...255	Intensity white (0 % to 100 %) for all LEDs spot 6
26	0...255	Stroboscope effect, increasing speed

## 8 Technical specifications



Light source	42 × RGBWW LED type Quad 4-in-1, 4 W, on six movable flat-PARs	
Optical properties	Beam angle	approx. 35°
Control	DMX	
	IR remote control (included)	
	Foot switch, tethered (optional)	
	Foot switch, wireless (optional)	
Number of DMX channels	4, 6, 8, 24, 26	
Input connections	Voltage supply	1 × lockable input socket (Power Twist)
	DMX control	1 × XLR panel plug, 3-pin
	Foot switch unit	1 × 1/4" phone socket

Output connections	Voltage supply	2 × lockable output socket (Power Twist)
	DMX control	1 × XLR chassis socket, 3-pin
Power consumption	approx. 120 W	
Operating supply voltage	100 – 240 V ~ 50/60 Hz	
Fuse	5 mm × 20 mm, 3 A, 250 V, slow-blow	
Battery remote control	Battery type	Lithium button cell, 3 V, CR 2025
Protection class	IP20	
Mounting options	Tripod intake: 35mm flange	
Dimensions (W × H × D)	984 mm × 68 mm × 240 mm	
Weight	7.8 kg	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	50 %, non-condensing

### Further information

Controller included	Remote control
Tripod included	No
Case / bag included	Yes

# 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 main fuse.
No response to the DMX controller	1. If the dot after the last digit in the display does not flash in 'DMX' mode, no DMX signal is received. Check whether the DMX controller is switched on. Check the DMX connectors and cables for proper connection.
	2. If the dot after the last digit in the display is flashing but there is still no response, check the address settings and the 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.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at [www.thomann.de](http://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 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 these materials with your normal household waste, but make sure that they are fed to a recovery. Please follow the notes and markings on the packaging.

### Disposal of batteries



Batteries must not be disposed of as domestic waste or thrown into fire. Dispose of the batteries according to national or local regulations regarding hazardous waste. To protect the environment, dispose of empty batteries at your retail store or at appropriate collection sites.

### 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 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.

CLB5 6P RGB WW Compact LED Bar





