STAIRVILLE

xBrick HEX 16×8W RGBAW UV

LED floodlight

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MUSIC IS OUR PASSION

user manual

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Table of contents

1 General information

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

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

1.1 Further information

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

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

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings

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

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

Displays

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

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

Instructions

The individual steps of an instruction are numbered consecutively. The result of a step is indented and highlighted by an arrow.

Example:

1. Switch on the device.
2. Press *[Auto]*.
   ⇨ Automatic operation is started.
3. Switch off the device.

1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – high-voltage.
	Warning – dangerous optical radiation.
	Warning – suspended load.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended for use as an electronic lighting effect by means of LED technology. The device is designed for professional use 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!

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.

3 Features

The LED floodlight is particularly suitable for professional lighting tasks, for example at events, on rock stages and in theatres and musicals. The device is characterised by excellent colour mixing properties and very high light output.

Special features of the device:

- 16 × 6-in-1 HEX LEDs (red, green, blue, amber, white, UV), each 8 W
- Control via DMX (six different modes), via buttons and display on the unit or an optionally available IR remote control (item no. 354223)
- 4 segments can be controlled separately
- Universally applicable as blinder, flood light or effect light
- 30 preprogrammed automatic shows
- Sound control
- Master / Slave mode
- Clear OLED display (four lines)
- Robust metal housing

For technological reasons, the light output of LEDs decreases over their lifetime. This effect increases with higher operating temperature. You can extend the service life of the illuminants by providing adequate ventilation and operating the LEDs with the lowest possible brightness.

4 Installation

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

WARNING!

Risk of injury caused by falling objects

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

NOTICE!

Risk of overheating

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

Provide sufficient ventilation.

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

NOTICE!

Use of stands

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

NOTICE!

Possible data transmission errors

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

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

Mounting options

You can install the unit in hanging or standing position. When in use, the device must always be attached to a solid surface or an approved truss. Use the openings provided on the two-piece bracket for attaching.

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

Additionally secure the device by a safety cable against falling.

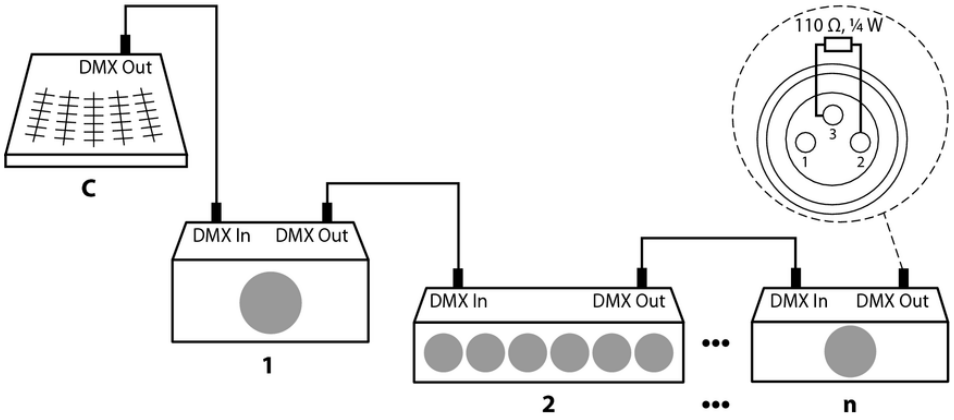
Please note that this device must not be connected to a dimmer.

5 Starting up

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

Connections in DMX mode

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

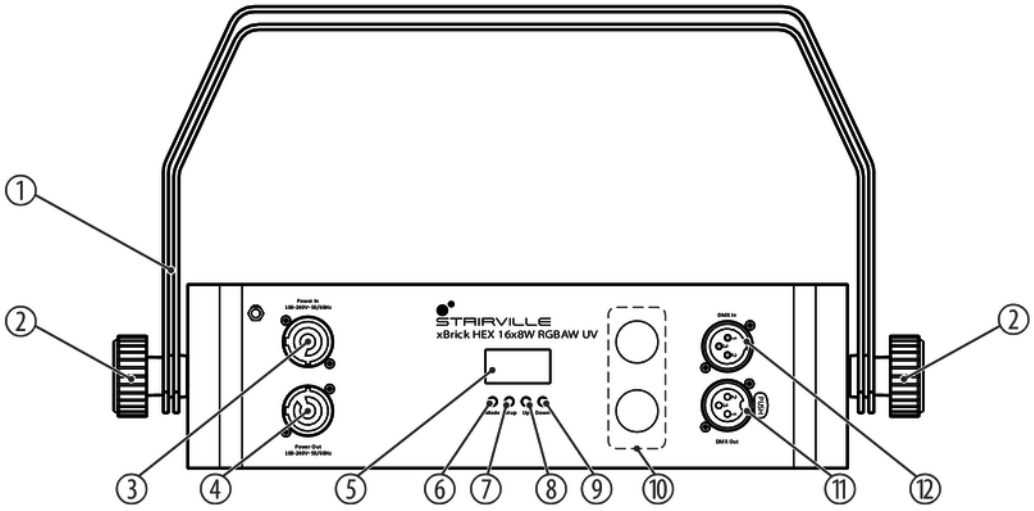


Connections in master/slave mode

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

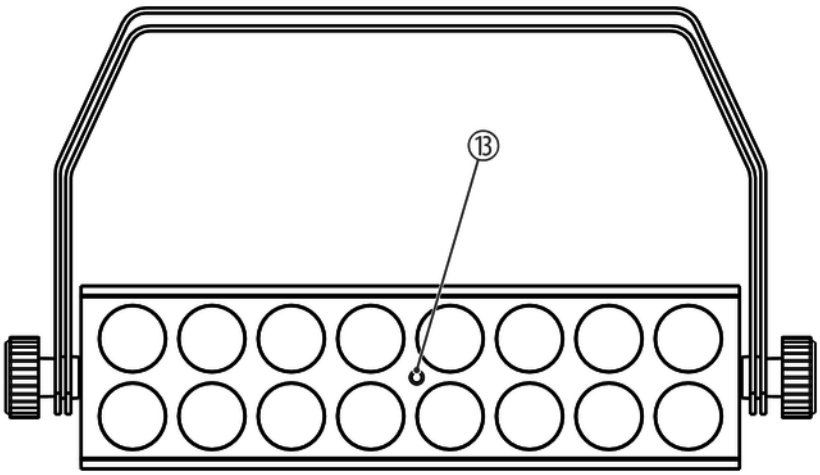
Rear panel



1	Bracket for floor placement or hanging
2	Locking screws for the brackets.
3	*[Power In]* Lockable Power Twist input socket for power supply.
4	*[Power Out]* Lockable Power Twist output socket for power supply
5	Display
6	*[Mode]* Activates the main menu
7	*[Setup]* Selects an option of the respective operating mode
8	*[Up]* Increases the displayed value by one
9	*[Down]* Decreases the displayed value by one
10	Openings for fastening a safety rope

11	*[DMX Out]* DMX output
12	*[DMX In]* DMX input

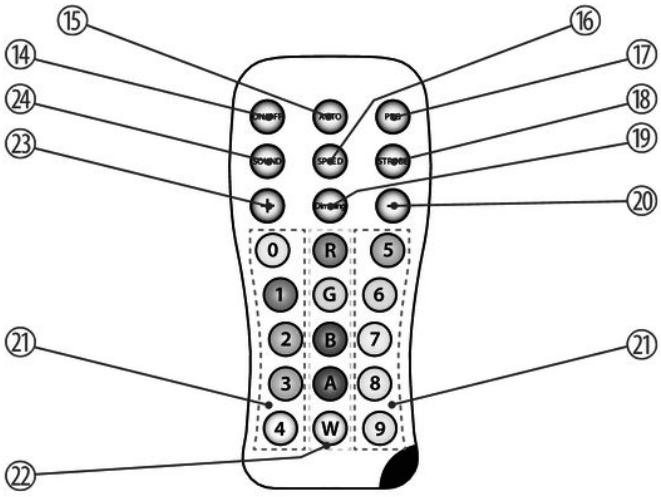
Front panel



13	Infrared sensor option for optionally available remote control

Remote control

A remote control is optional accessory (item # 354223) and not included.



14	*[ON/OFF]* Button to turn the blackout on or off
15	*[AUTO]* Enables the Auto mode
16	*[SPEED]* Allows to set the running speed
17	*[PRG]* Enables the Programme mode
18	*[STROBE]* Turns the Stroboscope effect on and off
19	*[Dimming]* Brightness control
20	*[–]* Decreases the displayed value by one
21	*[0] … [9]* Numeric buttons for entering a numerical value directly
22	Buttons for colour selection
23	*[+]* Increases the displayed value by one
24	*[SOUND]* Activates the sound-control

7 Operating

7.1 Starting the device

Connect the device to the power supply to start operation. After a few seconds the unit is ready for use.

7.2 Operating controls on the device

1. Press *[Mode]* to activate the display. The current settings as well as the software version and the device temperature are displayed.
2. Press again *[Mode]* to call up the main menu.
3. Press *[Setup]* to activate the respectively displayed menu item.
4. Use *[Up]* and *[Down]* to change the respectively indicated value. Changed values and settings will immediately take effect.
5. With*[Mode]* you go one menu level back or to the main menu.

If you do not press any button for about 30 seconds, the display shows the starting screen. After another 20 seconds, the display turns off. The set values are retained even when the device is disconnected from the mains power supply.

Auto mode

- In the sub menu *'1:Auto'*, use *[Up]* | *[Down]* to choose between *'Yes'* to enable or *'No'* to disable automatic operation.

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.

Programme mode

1. Select the submenu *'2:Program'* and confirm with *[Setup]*.
2. If you select the programme *'01'* in *'1)Mode'*, subsequently set a value between *'01'* and *'33'* in *'2)Color'* for a programmed colour pattern that lights constantly. Or you select *'00'* to blackout the unit.

   Then set a value for the strobe frequency between *'01'* (slow) and *'99'* (fast) in *'3)Strobe'*. Select *'00'* for constant light.
3. Programmes *'02'* to *'30'* offer preprogrammed colour sequences. After selecting one of these programmes in *'1)Mode'*, select then in *'2)Speed'* a value between *'001'* (slow) and *'100'* (fast) for the colour change.

   Then select a value for the strobe frequency between *'01'* (slow) and *'99'* (fast) in *'3)Strobe'*. Select *'00'* for constant light.

DMX mode

This setting is only relevant if the device is controlled via a DMX controller.

1. Select the submenu *'3:DMX'* and confirm with *[Setup]*.
2. Use *[Up]* | *[Down]* in *'1)Address'* to assign a DMX address in the range from *'001'* … *'512'* to the device.
3. Use *[Up]* and *[Down]* in *'2)Channels'* to select one of the following DMX modes.

Mode	Highest possible DMX address
6-channel	507
8-channel	505
12-channel	501
24-channel	489
26-channel	487
28-channel	485

Slave mode

- In the sub menu *'4:Slave'*, use *[Up]* | *[Down]* to choose between *'Yes'* to enable or *'No'* to disable Slave mode.

This setting is only relevant if the device is not controlled via DMX.

Colour mode

1. Select the submenu *'5:Dimmer'* and confirm with *[Setup]*.
2. Use *[Up]* | *[Down]* in *'1)Red'* to adjust the intensity of the red colour between *'000'* (off) and *'255'* (full).
3. Use *[Up]* | *[Down]* in *'2)Green'* to adjust the intensity of the green colour between *'000'* (off) and *'255'* (full).
4. Use *[Up]* | *[Down]* in *'3)Blue'* to adjust the intensity of the blue colour between *'000'* (off) and *'255'* (full).
5. Use *[Up]* | *[Down]* in *'4)White'* to adjust the intensity of the white colour between *'000'* (off) and *'255'* (full).
6. Use *[Up]* | *[Down]* in *'5)Amber'* to adjust the intensity of the amber colour between *'000'* (off) and *'255'* (full).
7. Use *[Up]* | *[Down]* in *'6)UV'* to adjust the intensity of the colour UV between *'000'* (off) and *'255'* (full).

A constant colour 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.

Sound control

1. Select the submenu *'6:Sound'* and confirm with *[Setup]*.
2. Use *[Up]* | *[Down]* in *'1)Mode'* to choose a mode from *'00'* to *'28'*.
3. Use *[Up]* | *[Down]* in *'2)Sensitivity'* to adjust the microphone sensitivity in the range from *'00'* to *'31'*.

Locking the display

1. Press simultaneously *[Mode]* and *[Setup]* to lock the display.
2. Press simultaneously *[Mode]* and *[Setup]* again to unlock the display. On the display the time counts up for 3 seconds.

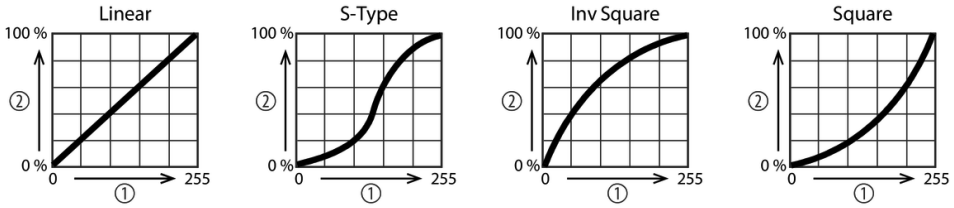
   ⇨ The display is now unlocked.
3. In the menu *'7:Settings'* - *'4)Lock'* you can activate or deactivate this function.

Settings

1. Select the submenu *'7:Settings'* and confirm with *[Setup]*.
2. Use *[Up]* | *[Down]* in *'1)Curves Select'* to 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
'1)Linear'	Linear (proportional) course
'2)Square Law'	Non-linear curve with a distinctive flat profile at the beginning and end
'3)Inv Square Law'	Inverted quadratic curve with a steep profile at the beginning and flat profile at the end
'4)S-Type'	Inverted square curve with a steep profile at the beginning and flat profile at the end

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]*.



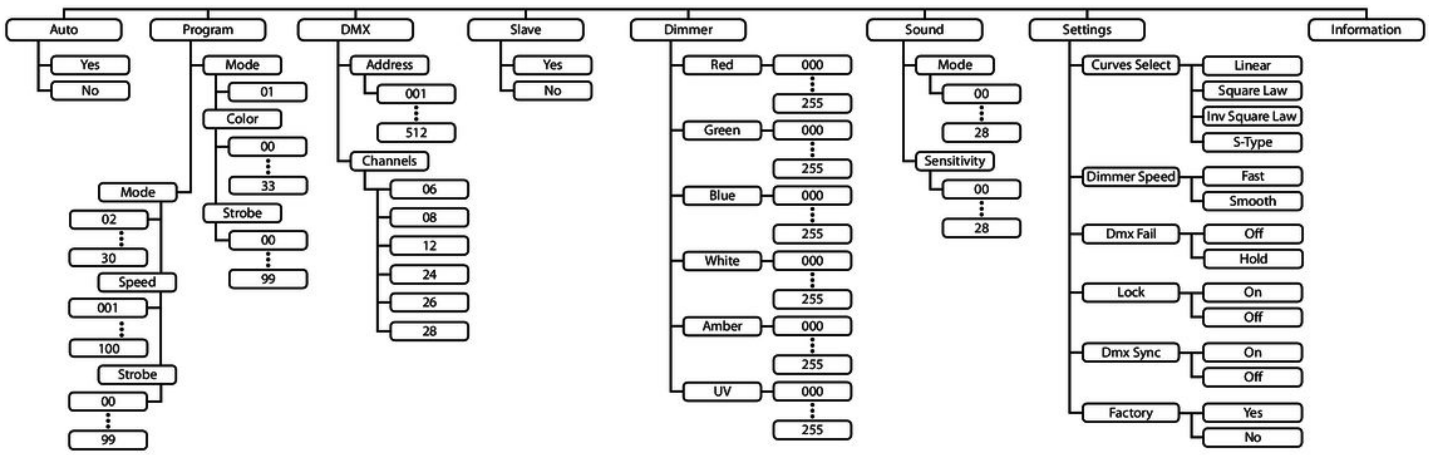
3. Use *[Up]* | *[Down]* in *'2)Dimmer Speed'* to choose between *'Fast'* and *'Smooth'*.
4. Use *[Up]* | *[Down]* in *'3)Dmx Fail'* to choose between *'Off'* (blackout on DMX signal failure) and *'Hold'* (freezing the status on DMX signal failure).
5. Use *[Up]* | *[Down]* in *'4)Lock'* to choose between *'On'* (keylock on) and *'Off'* (keylock off).
6. Use *[Up]* | *[Down]* in *'5)Dmx Sync'* to choose between *'On'* (manual DMX synchronization on) and *'Off'* (manual DMX synchronization off).
7. Use *[Up]* | *[Down]* in *'6)Factory'* to choose between *'Yes'* (factory reset) and *'No'* (no factory reset).

Information mode

1. Select the submenu *'8:Information'* and confirm with *[Setup]*.
   ⇨ The display shows the software version and the device temperature.
2. The following information can be displayed:

'Temperature: xx °C'	The temperature is detected normally.
'Temperature: x'	The temperature can not be detected. The floodlight automatically switches to protection mode and reduces power. The reason is a damaged temperature sensor or the faulty connection to the temperature sensor. Please ensure a timely repair so that the device can be used normally.
'Connection Fail !'	Communication failure of the slave devices. The floodlight can not be controlled. These are the possible reasons for this: ■ The communication connection is faulty. ■ The slave controller chip is damaged. Please ensure a timely repair so that the device can be used normally.
Temperature: xx°C	Excessive temperature. The floodlight automatically switches to protection mode and reduces power. Turn off the device and allow it to cool sufficiently before turning it back on.

7.2.1 Menu overview



7.3 Remote control

The device can only be remote controlled if it's neither working in *'DMX'* mode nor in *'Master/Slave'*.

Blackout

→ Use *[ON/OFF]* to blackout the unit or cancel the blackout.

Auto mode

→ Press *[AUTO]*. The unit now operates in automatic stand-alone mode.

Programme mode

1. Press *[PRG]*. Use *[+]* and *[–]* to select a value between *'01'* and *'30'*.
2. If you have selected programme *'01'*, press one of the numeric or letter keys to select the desired colour (see table below). Use *[+]* and *[–]* to press *[STROBE]* to select a value between *'01'* (slow) and *'99'* (fast) in steps of 5, to turn on a Strobe effect. Or you select *'00'* to blackout the unit.

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

3. If you have selected a programme mode between *'02'* and *'30'*, press *[SPEED]* and then use *[+]* and *[–]* to select a value between *'001'* (slow) und *'100'* (fast) in steps of 5, to set the running speed of the programmes.

   Use *[+]* and *[–]* to press *[STROBE]* to select a value between *'01'* (slow) and *'99'* (fast) in steps of 5, to turn on a Strobe effect. Press again *[STROBE]* to turn the strobe effect off. Or you select *'00'* to blackout the unit.

Sound control

1. Press *[SOUND]*. This activates a sound controlled colour sequence.
2. Use *[+]* and *[–]* to select a mode between *'00'* and *'28'*.
3. Then press again *[SOUND]* and use *[+]* and *[–]* to select a value between *'00'* (low sensitive) and *'31'* (very sensitive), to adjust the microphone sensitivity.

Speed

1. Press *[SPEED]*. This lets you adjust the running speed of programmes *'02'* to *'30'*.
2. For this, select a value between *'001'* and *'100'* in steps of 5.

Strobe effect

1. Press *[STROBE]*. This activates or respectively deactivates and adjusts the strobe effect for programmes *'02'* to *'30'*.
2. For this, select a value between *'00'* and *'99'* in steps of 5.

Colour mode

1. Press *[Dimming]* to adjust the brightness level of the primary colours.
2. Use *[R]* (red), *[G]* (green), *[B]* (blue), *[A]* (amber), *[W]* (white) or *[UV]* (UV) and then *[+]* and *[–]* to select per colour in steps of 5 a value between *'000'* and *'255'*.

Reset to factory defaults

To reset the device, press *[ON/OFF]* to blackout the device and subsequently *[9]*, *[8]*, and *[7]*.

7.4 Functions in DMX modes

7.4.1 Functions in 6-channel DMX mode

Channel	Value	Function
1	0 … 255	Intensity red (0 % to 100 %), all segments
2	0 … 255	Intensity green (0 % to 100 %), all segments
3	0 … 255	Intensity blue (0 % to 100 %), all segments
4	0 … 255	Intensity white (0 % to 100 %), all segments
5	0 … 255	Intensity amber (0 % to 100 %), all segments
6	0 … 255	Intensity UV (0 % to 100 %), all segments

7.4.2 Functions in 8-channel DMX mode

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	0 … 255	Intensity red (0 % to 100 %), all segments
3	0 … 255	Intensity green (0 % to 100 %), all segments
4	0 … 255	Intensity blue (0 % to 100 %), all segments
5	0 … 255	Intensity white (0 % to 100 %), all segments
6	0 … 255	Intensity amber (0 % to 100 %), all segments
7	0 … 255	Intensity UV (0 % to 100 %), all segments
8	0 … 4	No function
	5 … 255	Stroboscope effect, increasing speed

7.4.3 Functions in 12-channel DMX mode

Channel	Value	Function
1	0 … 255	Intensity red (0 % to 100 %), segment 1/2
2	0 … 255	Intensity green (0 % to 100 %), segment 1/2
3	0 … 255	Intensity blue (0 % to 100 %), segment 1/2
4	0 … 255	Intensity white (0 % to 100 %), segment 1/2
5	0 … 255	Intensity amber (0 % to 100 %), segment 1/2
6	0 … 255	Intensity UV (0 % to 100 %), segment 1/2
7	0 … 255	Intensity red (0 % to 100 %), segment 3/4
8	0 … 255	Intensity green (0 % to 100 %), segment 3/4
9	0 … 255	Intensity blue (0 % to 100 %), segment 3/4
10	0 … 255	Intensity white (0 % to 100 %), segment 3/4
11	0 … 255	Intensity amber (0 % to 100 %), segment 3/4
12	0 … 255	Intensity UV (0 % to 100 %), segment 3/4

7.4.4 Functions in 24-channel DMX mode

Channel	Value	Function
1	0 … 255	Intensity red (0 % to 100 %), segment 1
2	0 … 255	Intensity green (0 % to 100 %), segment 1
3	0 … 255	Intensity blue (0 % to 100 %), segment 1
4	0 … 255	Intensity white (0 % to 100 %), segment 1
5	0 … 255	Intensity amber (0 % to 100 %), segment 1
6	0 … 255	Intensity UV (0 % to 100 %), segment 1
7	0 … 255	Intensity red (0 % to 100 %), segment 2
8	0 … 255	Intensity green (0 % to 100 %), segment 2
9	0 … 255	Intensity blue (0 % to 100 %), segment 2
10	0 … 255	Intensity white (0 % to 100 %), segment 2
11	0 … 255	Intensity amber (0 % to 100 %), segment 2
12	0 … 255	Intensity UV (0 % to 100 %), segment 2
13	0 … 255	Intensity red (0 % to 100 %), segment 3
14	0 … 255	Intensity green (0 % to 100 %), segment 3

Channel	Value	Function
15	0 … 255	Intensity blue (0 % to 100 %), segment 3
16	0 … 255	Intensity white (0 % to 100 %), segment 3
17	0 … 255	Intensity amber (0 % to 100 %), segment 3
18	0 … 255	Intensity UV (0 % to 100 %), segment 3
19	0 … 255	Intensity red (0 % to 100 %), segment 4
20	0 … 255	Intensity green (0 % to 100 %), segment 4
21	0 … 255	Intensity blue (0 % to 100 %), segment 4
22	0 … 255	Intensity white (0 % to 100 %), segment 4
23	0 … 255	Intensity amber (0 % to 100 %), segment 4
24	0 … 255	Intensity UV (0 % to 100 %), segment 4

7.4.5 Functions in 26-channel DMX mode

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	0 … 255	Intensity red (0 % to 100 %), segment 1
3	0 … 255	Intensity green (0 % to 100 %), segment 1
4	0 … 255	Intensity blue (0 % to 100 %), segment 1
5	0 … 255	Intensity white (0 % to 100 %), segment 1
6	0 … 255	Intensity amber (0 % to 100 %), segment 1
7	0 … 255	Intensity UV (0 % to 100 %), segment 1
8	0 … 255	Intensity red (0 % to 100 %), segment 2
9	0 … 255	Intensity green (0 % to 100 %), segment 2
10	0 … 255	Intensity blue (0 % to 100 %), segment 2
11	0 … 255	Intensity white (0 % to 100 %), segment 2
12	0 … 255	Intensity amber (0 % to 100 %), segment 2
13	0 … 255	Intensity UV (0 % to 100 %), segment 2
14	0 … 255	Intensity red (0 % to 100 %), segment 3
15	0 … 255	Intensity green (0 % to 100 %), segment 3
16	0 … 255	Intensity blue (0 % to 100 %), segment 3
17	0 … 255	Intensity white (0 % to 100 %), segment 3
18	0 … 255	Intensity amber (0 % to 100 %), segment 3

Channel	Value	Function
19	0 … 255	Intensity UV (0 % to 100 %), segment 3
20	0 … 255	Intensity red (0 % to 100 %), segment 4
21	0 … 255	Intensity green (0 % to 100 %), segment 4
22	0 … 255	Intensity blue (0 % to 100 %), segment 4
23	0 … 255	Intensity white (0 % to 100 %), segment 4
24	0 … 255	Intensity amber (0 % to 100 %), segment 4
25	0 … 255	Intensity UV (0 % to 100 %), segment 4
26	0 … 4	No function
	5 … 255	Stroboscope effect, increasing speed

7.4.6 Functions in 28-channel DMX mode

Channel	Value	Function
1	0 … 255	Dimmer (0 % to 100 %)
2	0 … 255	Intensity red (0 % to 100 %), segment 1
3	0 … 255	Intensity green (0 % to 100 %), segment 1
4	0 … 255	Intensity blue (0 % to 100 %), segment 1
5	0 … 255	Intensity white (0 % to 100 %), segment 1
6	0 … 255	Intensity amber (0 % to 100 %), segment 1
7	0 … 255	Intensity UV (0 % to 100 %), segment 1
8	0 … 255	Intensity red (0 % to 100 %), segment 2
9	0 … 255	Intensity green (0 % to 100 %), segment 2
10	0 … 255	Intensity blue (0 % to 100 %), segment 2
11	0 … 255	Intensity white (0 % to 100 %), segment 2
12	0 … 255	Intensity amber (0 % to 100 %), segment 2
13	0 … 255	Intensity UV (0 % to 100 %), segment 2
14	0 … 255	Intensity red (0 % to 100 %), segment 3
15	0 … 255	Intensity green (0 % to 100 %), segment 3
16	0 … 255	Intensity blue (0 % to 100 %), segment 3
17	0 … 255	Intensity white (0 % to 100 %), segment 3
18	0 … 255	Intensity amber (0 % to 100 %), segment 3
19	0 … 255	Intensity UV (0 % to 100 %), segment 3

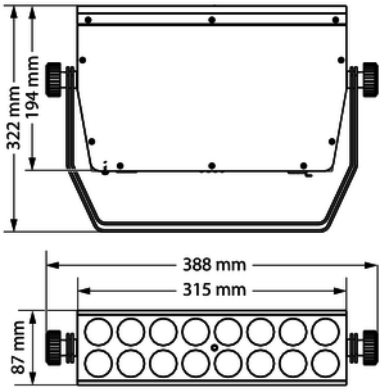
Channel	Value	Function
20	0 … 255	Intensity red (0 % to 100 %), segment 4
21	0 … 255	Intensity green (0 % to 100 %), segment 4
22	0 … 255	Intensity blue (0 % to 100 %), segment 4
23	0 … 255	Intensity white (0 % to 100 %), segment 4
24	0 … 255	Intensity amber (0 % to 100 %), segment 4
25	0 … 255	Intensity UV (0 % to 100 %), segment 4
26	Programme selection	
	0	Dimmer
	1 … 8	Programme 01
	9 … 16	Programme 02
	17 … 24	Programme 03
	25 … 32	Programme 04
	33 … 40	Programme 05
	41 … 48	Programme 06
	49 … 56	Programme 07
	57 … 64	Programme 08
	65 … 72	Programme 09
	73 … 80	Programme 10
	81 … 88	Programme 11
	89 … 96	Programme 12
	97 … 104	Programme 13
	105 … 112	Programme 14
	113 … 120	Programme 15
	121 … 128	Programme 16
	129 … 136	Programme 17
	137 … 144	Programme 18
	145 … 152	Programme 19
	153 … 160	Programme 20
	161 … 168	Programme 21
	169 … 176	Programme 22
	177 … 184	Programme 23
	185 … 192	Programme 24

Channel	Value	Function
	193 … 200	Programme 25
	201 … 208	Programme 26
	209 … 216	Programme 27
	217 … 224	Programme 28
	225 … 232	Programme 29
	233 … 240	Programme 30
	241 … 255	Sound control
27	Programme selection, if channel 26 = 1 … 8	
	0 … 6	No function
	7 … 13	R(255), G(0,) B(0), W(0), A(0), UV(0)
	14 … 20	R(255), G(0), B(0), W(100), A(0), UV(0)
	21 … 27	R(255), G(0), B(0), W(255), A(0), UV(0)
	28 … 34	R(255), G(140), B(0), W(0), A(0), UV(0)
	35 … 41	R(0), G(0), B(0), W(0), A(255), UV(0)
	42 … 48	R(255), G(255), B(0), W(0), A(0), UV(0)
	49 … 55	R(255), G(255), B(0), W(75), A(0), UV(0)
	56 … 62	R(0), G(255), B(0), W(255), A(0), UV(0)
	63 … 69	R(0), G(255), B(0), W(150), A(0), UV(0)
	70 … 76	R(0), G(255), B(0), W(50), A(0), UV(0)
	77 … 83	R(0), G(255), B(0), W(0), A(0), UV(0)
	84 … 90	R(0), G(255), B(50), W(0), A(0), UV(0)
	91 … 97	R(0), G(255), B(150), W(0), A(0), UV(0)
	98 … 104	R(0), G(255), B(255), W(0), A(0), UV(0)
	105 … 111	R(0), G(255), B(255), W(75), A(0), UV(0)
	112 … 118	R(0), G(255), B(255), W(150), A(0), UV(0)
	119 … 125	R(0), G(0), B(255), W(255), A(0), UV(0)
	126 … 132	R(0), G(0), B(255), W(100), A(0), UV(0)
	133 … 139	R(0), G(0), B(255), W(50), A(0), UV(0)
	140 … 146	R(0), G(0), B(255), W(0), A(0), UV(0)
	147 … 153	R(0), G(0), B(0), W(0), A(0), UV(255)
	154 … 160	R(160), G(0), B(255), W(0), A(0), UV(0)
	161 … 167	R(255), G(0), B(255), W(0), A(0), UV(0)

Channel	Value	Function
	168 … 174	R(255), G(0), B(175), W(0), A(0), UV(0)
	175 … 181	R(255), G(0), B(100), W(0), A(0), UV(0)
	182 … 188	R(255), G(0), B(100), W(50), A(0), UV(0)
	189 … 195	R(255), G(0), B(25), W(50), A(0), UV(0)
	196 … 202	R(255), G(0), B(25), W(25), A(0), UV(0)
	203 … 209	R(255), G(0), B(25), W(0), A(0), UV(0)
	210 … 216	R(0), G(0), B(0), W(255), A(0), UV(0)
	217 … 223	R(255), G(200), B(40), W(90), A(0), UV(0)
	224 … 230	R(0), G(0), B(100), W(255), A(0), UV(0)
	231 … 255	R(255), G(255), B(255), W(255), A(255), UV(255)
	Programme selection, if channel 26 = 9 … 240	
	0 … 255	Stroboscope effect, increasing speed
	Programme selection, if channel 26 = 241 … 255	
	0 … 8	Sound mode 00
	9 … 17	Sound mode 01
	18 … 26	Sound mode 02
	27 … 35	Sound mode 03
	36 … 44	Sound mode 04
	45 … 53	Sound mode 05
	54 … 62	Sound mode 06
	63 … 71	Sound mode 07
	72 … 80	Sound mode 08
	81 … 89	Sound mode 09
	90 … 98	Sound mode 10
	99 … 107	Sound mode 11
	1085 … 116	Sound mode 12
	117 … 125	Sound mode 13
	126 … 134	Sound mode 14
	135 … 143	Sound mode 15
	144 … 152	Sound mode 16
	153 … 161	Sound mode 17
	162 … 170	Sound mode 18

Channel	Value	Function
	171 … 179	Sound mode 19
	180 … 188	Sound mode 20
	189 … 197	Sound mode 21
	198 … 206	Sound mode 22
	207 … 215	Sound mode 23
	216 … 224	Sound mode 24
	225 … 233	Sound mode 25
	234 … 242	Sound mode 26
	243 … 251	Sound mode 27
	252 … 255	Sound mode 28
28	0 … 4	No function
	5 … 255	Stroboscope effect, increasing speed

8 Technical specifications



Light source		16 × 6-in-1 RGBAW UV, each 8 W
Optical properties	Beam angle	25°
Control		DMX, buttons and display on the unit
		IR remote (optional)
Number of DMX channels		6, 8, 12, 24, 26, 28
Input connections	Voltage supply	Lockable Power Twist input socket
	DMX control	XLR chassis socket, 3-pin
Output connections	Voltage supply	Lockable Power Twist output socket
	DMX control	XLR chassis socket, 3-pin
Power consumption		128 W
Operating supply voltage		100 – 240 V ~ 50/60 Hz
Protection class		IP20
Mounting options		hanging, standing
Dimensions (W × H × D)		388 mm × 87 mm × 194 mm
Weight		4.7 kg
Ambient conditions	Temperature range	–20 °C … +40 °C
	Relative humidity	50 %, non-condensing

Further information

Outdoor capable	No
Colour mixture	RGBAW UV
LED type	x-in-1
Floor housing	Yes
Fanless	No
Remote control	Optional
Wireless DMX	No
Housing colour	black

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:

The unit does not work, no light

- Check the mains connection and main fuse.

No response to the DMX controller

1. Check the DMX connectors and cables for proper connection.
2. 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.
5. Check the displays in information mode (see *'Information mode' on page 19*).

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

11 Cleaning

Optical lenses

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

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

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 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.

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