STAIRVILLE

Blade Sting 8
RGBW Beam Mover

moving head

th•mann
MUSIC IS OUR PASSION

user manual

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1 General information

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

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

1.1 Further information

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

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

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings

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

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

Displays

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

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

1.3 Symbols and signal words

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

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

Warning signs	Type of danger
	Warning – high-voltage.

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

2 Safety instructions

Intended use

This device is intended for use as a freely moving multifunctional spotlight. 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 operating life of the device by regular breaks and by avoiding frequent switching on and off. The device is not suitable for continuous operation.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

Do not use the device if covers, protectors or optical components are missing or damaged.

DANGER!

Electric shock caused by short-circuit

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

WARNING!

Eye damage caused by high light intensity

Never look directly into the light source.

WARNING!

Risk of epileptic shock

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

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.

The load capacity of trusses or other fixtures must be sufficient for the intended number of devices. Not that the movement of the head places additional loads on the load-bearing parts.

CAUTION!

Risk of injury due to movements of the device

The head of the device can move quickly (pan, tilt) and can produce very bright light. This is also valid immediately after you turn on the device, when the device operates in automatic mode or under remote control and when you turn off a DMX controller that is connected to the device. Persons staying near the device could be injured or frightened.

Before you turn on the device and during the operation, always ensure that nobody stays close to the device. If work has to be performed in the area of movement or in the near vicinity of the device, it must remain turned off.

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.

The device must not be moved during use.

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 staining

The plasticiser contained in the rubber feet of this product may possibly react with the coating of your parquet, linoleum, laminate or PVC floor and after some time cause permanent dark stains.

In case of doubt, do not put the rubber feet directly on the floor, but use felt-pad floor protectors or a carpet.

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

- 8 × 4-in-1 quad colour LEDs (RGBW, 10 watt each)
- narrow beam angle (approx. 2 degree/lens)
- adjustable PAN and TILT area
- Control via DMX (4 different modes) and buttons and display on the unit
- 6 preprogrammed automatic shows
- Sound control
- Stand-alone mode
- Master / Slave mode
- Lockable connectors (Power Twist) for self-supply and for supplying further devices
- suitable for wall and truss mounting
- Power supply cable (Power Twist) and Omega brackets 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 and starting up

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.

Lift the device only at the base. When lifted at the rotatable mounting, the device may be damaged.

You can install the device standing or hanging. When in use, the device must be mounted at a solid surface or clamped to an approved truss.

Work from a stable platform whenever you install or move the device or when you perform any kind of maintenance. Block access under the work area.

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.

The load capacity of trusses or other fixtures must be sufficient for the intended number of devices. Not that the movement of the head places additional loads on the load-bearing parts.

CAUTION!

Risk of injury due to movements of the device

The head of the device can move quickly (pan, tilt) and can produce very bright light. This is also valid immediately after you turn on the device, when the device operates in automatic mode or under remote control and when you turn off a DMX controller that is connected to the device. Persons staying near the device could be injured or frightened.

Before you turn on the device and during the operation, always ensure that nobody stays close to the device. If work has to be performed in the area of movement or in the near vicinity of the device, it must remain turned off.

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!

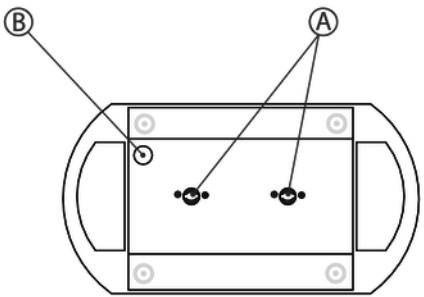
Possible data transmission errors

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

The quick-release holes on the bottom are used to secure wall or truss mounting of the device using omega brackets. Additionally secure the device by a safety cable against falling.

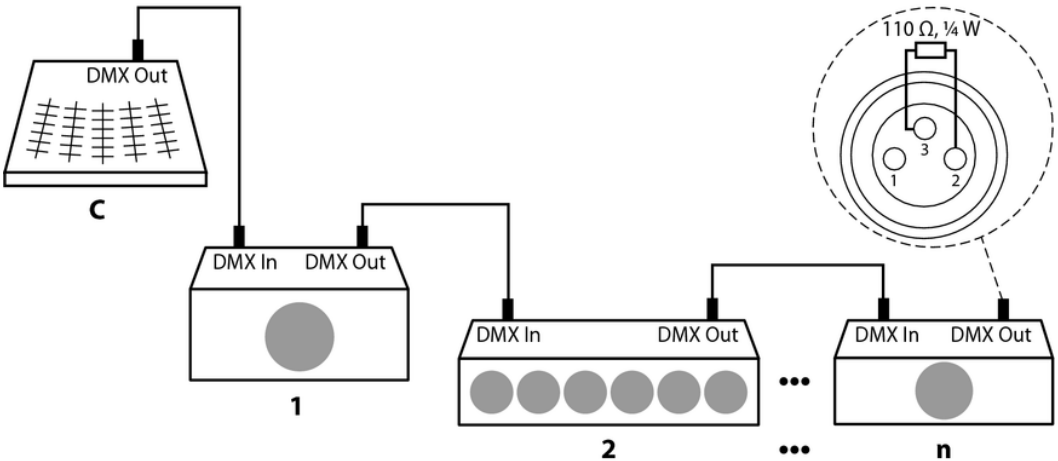


A	Quick-release hole for attaching Omega brackets.
B	Hole for safety cable.

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.

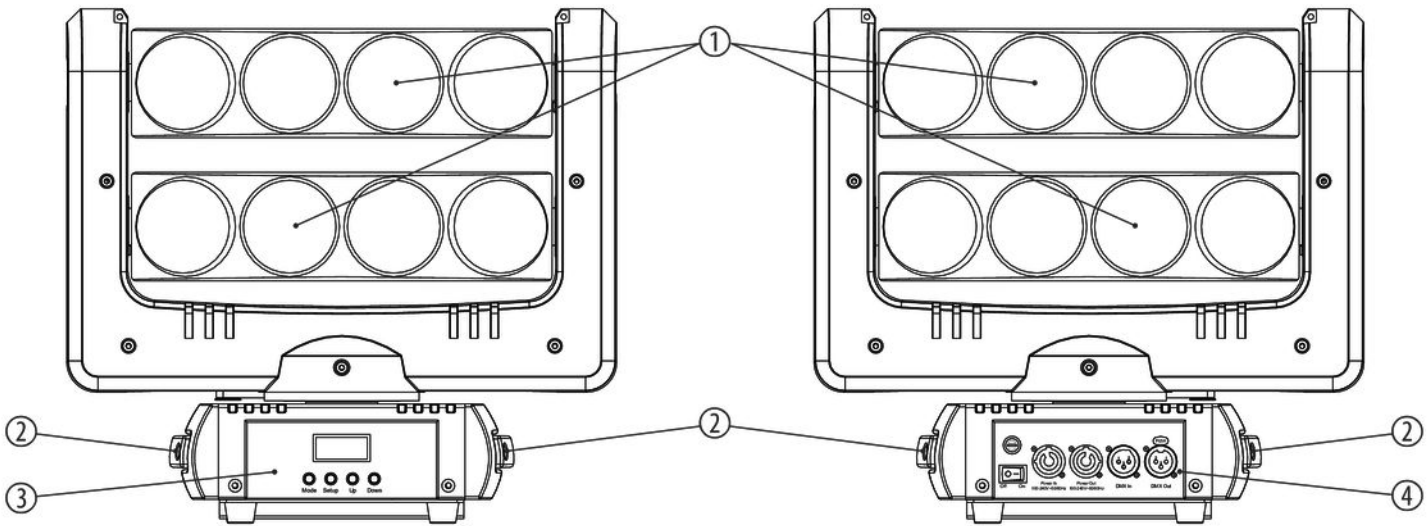
Connections in DMX mode

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).



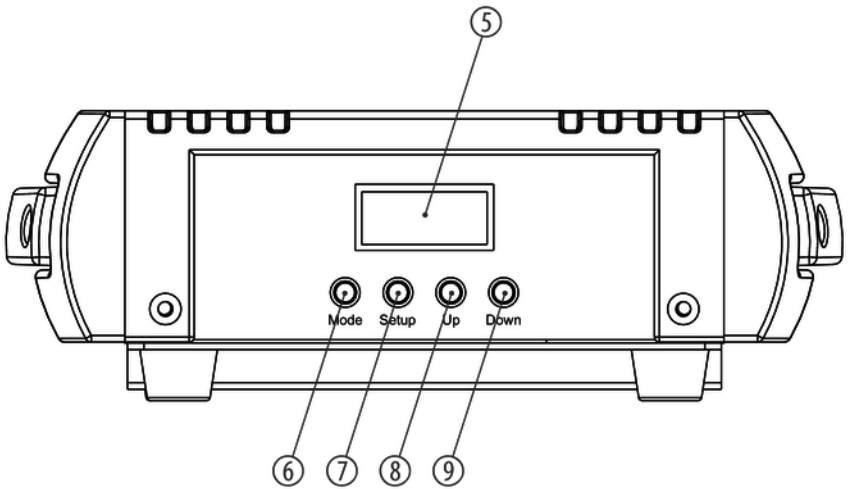
Please note that this device must not be connected to a dimmer.

5 Connections and controls



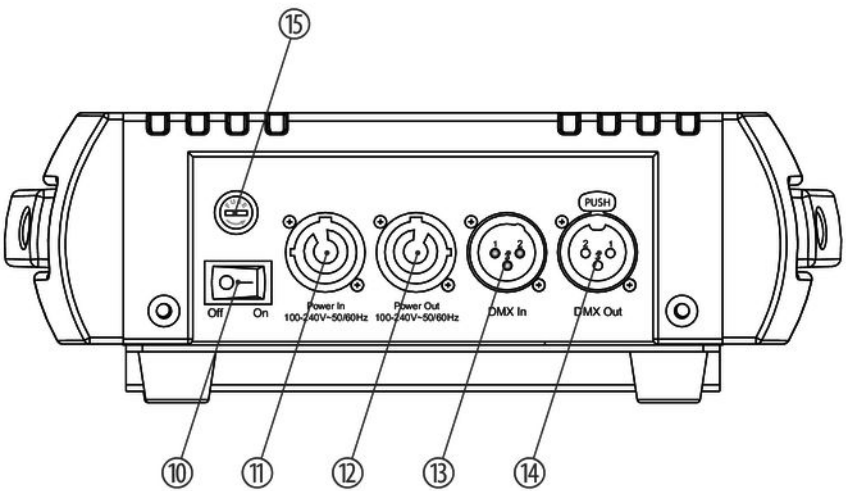
1	8 × LED RGBW.
2	Grab handle
3	Operating panel with display.
4	Connector panel with main switch, voltage supply and DMX connections.

Operating panel with display



5	Display
6	*[Mode]* Activates the main menu and toggles between menu items. Closes an opened submenu.
7	*[Setup]* Selects an option of the respective operating mode, confirms the set value.
8	*[Up]* Increases the displayed value by one.
9	*[Down]* Decreases the displayed value by one.

Connector panel with main switch, voltage supply and DMX connections



10	*[ON	OFF]* Main switch to turn the device on and off.
11	*[Power In]* Lockable input socket (Power Twist) for power supply.
12	*[Power Out]* Lockable output socket (Power Twist) to supply further units.
13	*[DMX In]* DMX input
14	*[DMX Out]* DMX output
15	Fuse holder

6 Operating

Connect the device to the power supply to start operation. After a few seconds, the display indicates that a reset is in progress. At the same time, all axes are moved to the respective starting position. The device is then ready for use.

Press repeatedly *[Mode]* or *[Up]* or *[Down]* to select an operating mode:

- AUTO
- SHOW
- SOUND
- DMX
- SLAVE

If you don't press any button for about seven seconds the display turns off.

6.1 Operating modes

AUTO

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

Press repeatedly *[Mode]* or *[Up]* or *[Down]* until the display shows *'AUTO'*. Automatic operation starts immediately with the last used settings.

Setting options in AUTO mode

Several auto operation parameters can be adjusted in the 'Auto' menu. Switch to operating mode AUTO and use *[Setup]* to open the related menu.

Repeatedly press *[Setup]* to successively call various menu options. When the display shows the desired option (mode), the related value can be adjusted using *[Up]* or *[Down]* .

With *[Setup]* you get to the next menu level. With *[Mode]* you return to the previous menu level.

Parameter / mode	Function
LED / Auto	Colour selection and dimmer settings follow the preprogrammed show programmes, moving speed (*'Speed'*) and flash frequency for strobe effect (*'Freq.'*) are adjustable.
LED / Color	Solid colour selection (*'Static'*) and flash frequency setting for strobe effect (*'Freq.'*).
LED / Dimmer	Dimmer setting (*'Dimmer'*) and flash frequency setting for strobe effect (*'Freq.'*).
Pan / p-Auto	Rotation follows preprogrammed show programmes.
Pan / p-Manual	Rotation stops in the predefined angle position.
Pan / p-CW	Clockwise rotation, speed adjustable (*'Speed 1 … 16'*).
Pan / p-CCW	Counter-clockwise rotation, speed adjustable (*'Speed 1 … 16'*).
Tilt1 / p-Auto	Tilting motion follows preprogrammed show programmes.
Tilt1 / p-Manual	Tilting motion stops in the predefined angle position.
Tilt2 / p-Auto	Tilting motion follows preprogrammed show programmes.
Tilt2 / p-Manual	Tilting motion stops in the predefined angle position.

SHOW

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

Press repeatedly *[Mode]* or *[Up]* or *[Down]* until the display shows *'SHOW'*.

Press *[Setup]* and use *[Up]* and *[Down]* to select one of the preprogrammed automatic shows *'Show1'* … *'Show6'*.

SOUND

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

Press repeatedly *[Mode]* or *[Up]* or *[Down]* until the display shows *'SOUND'*.

Press *[Setup]* and use *[Up]* and *[Down]* to adjust the sensitivity for the sound control in a range of *'S:000'* … *'S:031'*.

DMX

This setting is only relevant when the device is controlled via DMX.

Press *[Mode]* repeatedly until the display shows *'DMX'*. Press *[Setup]*. First use *[Up]* or *[Down]* to highlight the menu item *'Address'*.

Use *[Up]* or *[Down]* to specify the desired DMX address in a range from *'001'* … *'512'*.

Use *[Mode]* to return to the parent menu and use *[Up]* or *[Down]* to highlight the menu item *'Channel'*. Now you can select one of the following DMX modes:

- *'12Chs'* (twelve channels)
- *'16Chs'* (sixteen channels)
- *'40Chs'* (forty channels)
- *'44Chs'* (forty-four channels)

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

Mode	Highest possible DMX address
12-channel	501
16-channel	497
40-channel	473
44-channel	469

SLAVE

This setting is only relevant if the device is working as Slave in a Master / Slave configuration and is not controlled via DMX. To activate the operating mode, repeatedly press *[Mode]* or *[Up]* or *[Down]* until the display shows *'SLAVE'*.

To quit the operating mode, press again *[Mode]*, *[Up]* or *[Down]*.

6.2 System settings

In *'SETTINGS'* menu, you can customise several device parameters.

To open the menu press *[Mode]* or *[Up]* or *[Down]* repeatedly, until the display shows *'SETTINGS'* and confirm with *[Setup]*.

Use *[Up]* and *[Down]* to select the desired menu item and confirm with *[Setup]*. Change the displayed value with *[Up]* or *[Down]*.

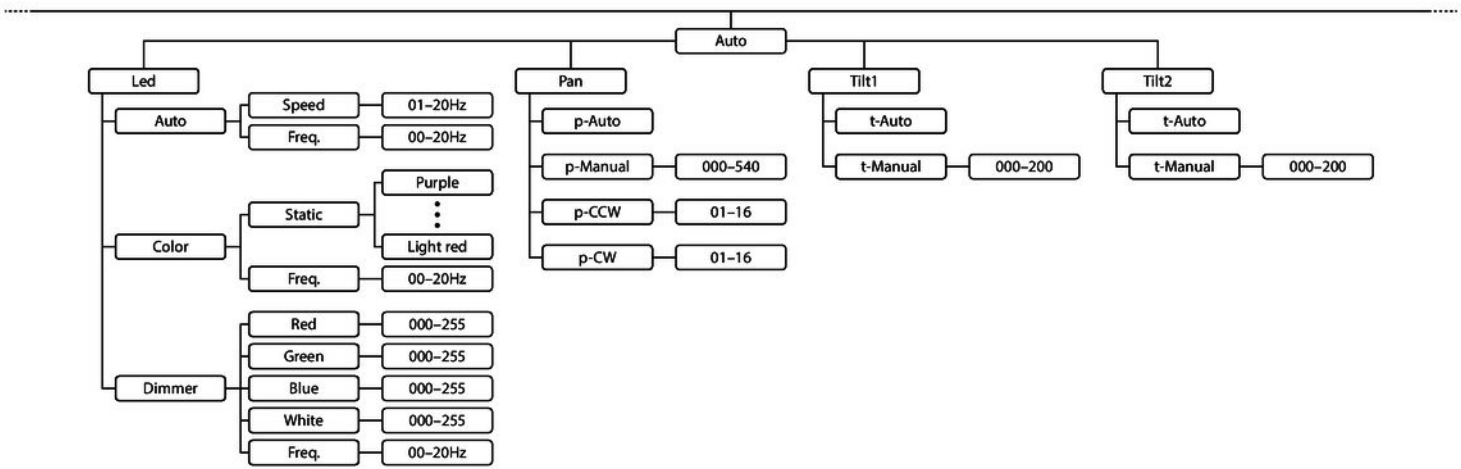
With *[Mode]* you return to the previous menu level.

Parameter / mode	**Function**
BL Time Option	Duration display backlight: *'5s'*, *'10s'*, *'20s'*, *'30s'* or *'on'*.
Adjust	Fine adjustment of the three movement axis: *'Pan'*, *'Tilt1'* and *'Tilt2'*.
Reset	Reset of all device settings. When resetting to factory defaults, the display shows *'Factory Reset …'*.
Power	Display of the supply and motor voltage of the device.
Error	Display of error messages from the self-test. When there is no error message present, the display shows the value *'000000'*. With *[Setup]* error codes can be displayed.
Lam	LED status information query.

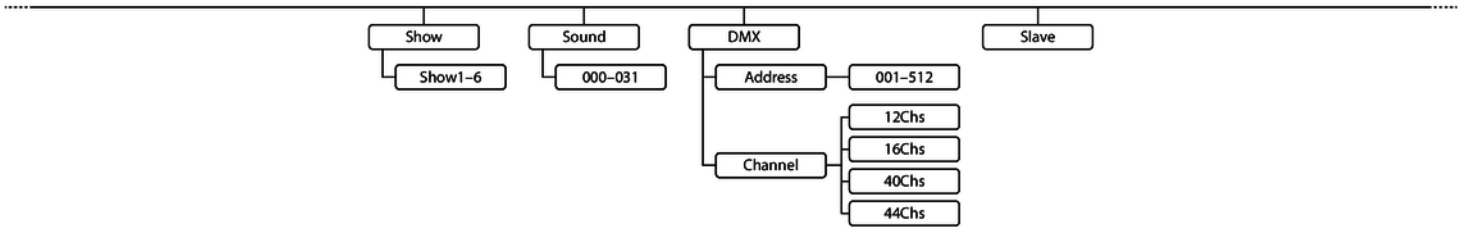
Parameter / mode	Function
Use	LED uptime query. With *[Setup]* the value can be reset. The display shows the safety prompt *'Clear Y/N?'*.
Sensor	Movement axis query: *'P-Hall'*, *'T1-Hall'* and *'T2-Hall'*. Upon deviation, *'Hall not good'* is displayed for the respective axis. Via parameters *'p-Rast'*, *'t1-Ras'* and *'t2-Ras'* you can enable or disable the axis stop at position 90 degree, 180 degree, 360 degree or 540 degree.
About	General device data query. With *[Setup]* the information menu to call available data is opened.
X Angle	Definition of rotation movement axis stop position: *'Pan 180'*, *'Pan 360'* or *'Pan 540'*.
Y1 Angle	Definition of tilting movement axis stop position: *'Tilt1 90'* or *'Tilt1 180'*.
Y2 Angle	Definition of tilting movement axis stop position: *'Tilt2 90'* or *'Tilt2 180'*.

6.3 Menu overview

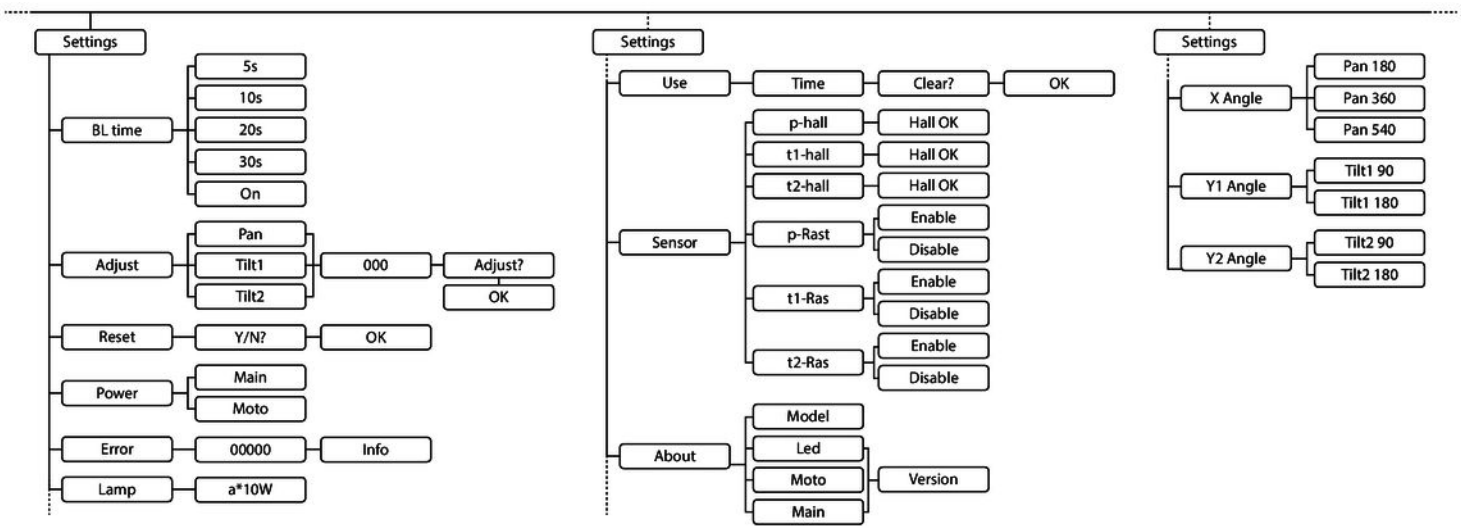
Menu AUTO



Menus SHOW, SOUND, DMX, SLAVE



Menu SETTINGS



6.4 Functions in 12-channel DMX mode

Channel	Value	Function
1	0 … 255	Rotation movement, 0° … 180° / 360° / 540°
2	0 … 255	Fine adjustment rotation position
3	0 … 255	Tilting movement 1 (upper LED row), 0° … 90° / 180°
4	0 … 255	Fine adjustment tilting position 1 (upper LED row)
5	0 … 255	Tilting movement 2 (lower LED row), 0° … 90° / 180°
6	0 … 255	Fine adjustment tilting position 2 (lower LED row)
7	0 … 255	Movement speed rotation and tilting movement, increasing speed

Channel	Value	Function
8	0 … 129	No function.
	130 … 192	Clockwise rotation movement, speed increasing

Channel	Value	Function
	193 … 255	Counter-clockwise rotation movement, speed increasing
9	0 … 255	Intensity red LED (0 % … 100 %)
10	0 … 255	Intensity green LED (0 % … 100 %)
11	0 … 255	Intensity blue LED (0 % … 100 %)
12	0 … 255	Intensity white LED (0 % … 100 %)

6.5 Functions in 16-channel DMX mode

Channel	Value	Function
1	0 … 255	Rotation movement, 0° … 180° / 360° / 540°
2	0 … 255	Fine adjustment rotation position
3	0 … 255	Tilting movement 1 (upper LED row), 0° … 90° / 180°

Channel	Value	Function
4	0 … 255	Fine adjustment tilting position 1 (upper LED row)
5	0 … 255	Tilting movement 2 (lower LED row), 0° … 90° / 180°
6	0 … 255	Fine adjustment tilting position 2 (lower LED row)
7	0 … 255	Movement speed rotation and tilting movement, decreasing speed
8	0 … 129	No function.
	130 … 192	Clockwise rotation movement, speed decreasing
	193 … 255	Counter-clockwise rotation movement, speed increasing

Channel	Value	Function
9	0 … 255	Dimmer function, all LEDs
10	0 … 255	Intensity red LED (0 % … 100 %)
11	0 … 255	Intensity green LED (0 % … 100 %)

Channel	Value	Function
12	0 … 255	Intensity blue LED (0 % … 100 %)
13	0 … 255	Intensity white LED (0 % … 100 %)

Channel	Value	Function
14	0 … 9	No function.
	10 … 19	Auto operation
	20 … 29	Preprogrammed automatic show no. 01
	30 … 39	Preprogrammed automatic show no. 02
	40 … 49	Preprogrammed automatic show no. 03
	50 … 59	Preprogrammed automatic show no. 04
	60 … 69	Preprogrammed automatic show no. 05
	70 … 79	Preprogrammed automatic show no. 06
	80 … 129	No function
	130 … 255	Sound-controlled operation, increasing sensitivity
15	0 … 255	Chaser light speed, auto operation, if channel 14 = 10 … 19
16	0 … 14	No function
	15 … 255	Flash frequency

6.6 Functions in 40-channel DMX mode

Channel	Value	Function
1	0 … 255	Rotation movement, 0° … 180° / 360° / 540°
2	0 … 255	Fine adjustment rotation position
3	0 … 255	Tilting movement 1 (upper LED row), 0° … 90° / 180°
4	0 … 255	Fine adjustment tilting position 1 (upper LED row)
5	0 … 255	Tilting movement 2 (lower LED row), 0° … 90° / 180°
6	0 … 255	Fine adjustment tilting position 2 (lower LED row)
7	0 … 255	Movement speed rotation and tilting movement, increasing speed
8	0 … 129	No function.
	130 … 192	Clockwise rotation movement, speed increasing
	193 … 255	Counter-clockwise rotation movement, speed increasing

Channel	Value	Function
9	0 … 255	Intensity red LED1 (0 % … 100 %)
10	0 … 255	Intensity green LED1 (0 % … 100 %)
11	0 … 255	Intensity blue LED1 (0 % … 100 %)
12	0 … 255	Intensity white LED1 (0 % … 100 %)
13	0 … 255	Intensity red LED2 (0 % … 100 %)
14	0 … 255	Intensity green LED2 (0 % … 100 %)
15	0 … 255	Intensity blue LED2 (0 % … 100 %)
16	0 … 255	Intensity white LED2 (0 % … 100 %)
17	0 … 255	Intensity red LED3 (0 % … 100 %)
18	0 … 255	Intensity green LED3 (0 % … 100 %)
19	0 … 255	Intensity blue LED3 (0 % … 100 %)
20	0 … 255	Intensity white LED3 (0 % … 100 %)

Channel	Value	Function
21	0 … 255	Intensity red LED4 (0 % … 100 %)
22	0 … 255	Intensity green LED4 (0 % … 100 %)
23	0 … 255	Intensity blue LED4 (0 % … 100 %)
24	0 … 255	Intensity white LED4 (0 % … 100 %)
25	0 … 255	Intensity red LED5 (0 % … 100 %)
26	0 … 255	Intensity green LED5 (0 % … 100 %)
27	0 … 255	Intensity blue LED5 (0 % … 100 %)
28	0 … 255	Intensity white LED5 (0 % … 100 %)
29	0 … 255	Intensity red LED6 (0 % … 100 %)
30	0 … 255	Intensity green LED6 (0 % … 100 %)
31	0 … 255	Intensity blue LED6 (0 % … 100 %)
32	0 … 255	Intensity white LED6 (0 % … 100 %)

Channel	Value	Function
33	0 … 255	Intensity red LED7 (0 % … 100 %)
34	0 … 255	Intensity green LED7 (0 % … 100 %)
35	0 … 255	Intensity blue LED7 (0 % … 100 %)
36	0 … 255	Intensity white LED7 (0 % … 100 %)
37	0 … 255	Intensity red LED8 (0 % … 100 %)
38	0 … 255	Intensity green LED8 (0 % … 100 %)
39	0 … 255	Intensity blue LED8 (0 % … 100 %)
40	0 … 255	Intensity white LED8 (0 % … 100 %)

6.7 Functions in 44-channel DMX mode

Channel	Value	Function
1	0 … 255	Rotation movement, 0° … 180° / 360° / 540°
2	0 … 255	Fine adjustment rotation position
3	0 … 255	Tilting movement 1 (upper LED row), 0° … 90° / 180°
4	0 … 255	Fine adjustment tilting position 1 (upper LED row)
5	0 … 255	Tilting movement 2 (lower LED row), 0° … 90° / 180°
6	0 … 255	Fine adjustment tilting position 2 (lower LED row)
7	0 … 255	Movement speed rotation and tilting movement, decreasing speed
8	0 … 129	No function.
	130 … 192	Clockwise rotation movement, speed decreasing
	193 … 255	Counter-clockwise rotation movement, speed increasing

Channel	Value	Function
9	0 … 255	Dimmer function, all LEDs
10	0 … 255	Intensity red LED1 (0 % … 100 %)
11	0 … 255	Intensity green LED1 (0 % … 100 %)
12	0 … 255	Intensity blue LED1 (0 % … 100 %)
13	0 … 255	Intensity white LED1 (0 % … 100 %)
14	0 … 255	Intensity red LED2 (0 % … 100 %)
15	0 … 255	Intensity green LED2 (0 % … 100 %)
16	0 … 255	Intensity blue LED2 (0 % … 100 %)
17	0 … 255	Intensity white LED2 (0 % … 100 %)
18	0 … 255	Intensity red LED3 (0 % … 100 %)
19	0 … 255	Intensity green LED3 (0 % … 100 %)
20	0 … 255	Intensity blue LED3 (0 % … 100 %)
21	0 … 255	Intensity white LED3 (0 % … 100 %)

Channel	Value	Function
22	0 … 255	Intensity red LED4 (0 % … 100 %)
23	0 … 255	Intensity green LED4 (0 % … 100 %)
24	0 … 255	Intensity blue LED4 (0 % … 100 %)
25	0 … 255	Intensity white LED4 (0 % … 100 %)
26	0 … 255	Intensity red LED5 (0 % … 100 %)
27	0 … 255	Intensity green LED5 (0 % … 100 %)
28	0 … 255	Intensity blue LED5 (0 % … 100 %)
29	0 … 255	Intensity white LED5 (0 % … 100 %)
30	0 … 255	Intensity red LED6 (0 % … 100 %)
31	0 … 255	Intensity green LED6 (0 % … 100 %)
32	0 … 255	Intensity blue LED6 (0 % … 100 %)
33	0 … 255	Intensity white LED6 (0 % … 100 %)

Channel	Value	Function
34	0 … 255	Intensity red LED7 (0 % … 100 %)
35	0 … 255	Intensity green LED7 (0 % … 100 %)
36	0 … 255	Intensity blue LED7 (0 % … 100 %)
37	0 … 255	Intensity white LED7 (0 % … 100 %)
38	0 … 255	Intensity red LED8 (0 % … 100 %)
39	0 … 255	Intensity green LED8 (0 % … 100 %)
40	0 … 255	Intensity blue LED8 (0 % … 100 %)
41	0 … 255	Intensity white LED8 (0 % … 100 %)

Channel	Value	Function
42	0 … 9	No function.
	10 … 19	Auto operation
	20 … 29	Preprogrammed automatic show no. 01
	30 … 39	Preprogrammed automatic show no. 02
	40 … 49	Preprogrammed automatic show no. 03
	50 … 59	Preprogrammed automatic show no. 04
	60 … 69	Preprogrammed automatic show no. 05
	70 … 79	Preprogrammed automatic show no. 06
	80 … 129	No function
	130 … 255	Sound-controlled operation, increasing sensitivity
43	0 … 255	Chaser light speed, auto operation, if channel 14 = 10 … 19
44	0 … 14	No function
	15 … 255	Flash frequency auto operation, if channel 42 = 0 … 9 or 10 … 19

7 Technical specifications

Light source	8 × 4-in-1 RGBW LED, 10 W	
Light source properties	Light power	Red: 5845 Lux / 1 m
		Green: 18010 Lux / 1 m
		Blue: 4375 Lux / 1 m
		White: 21160 Lux / 1 m
Optical properties	Beam angle	2°
Control	DMX	
Number of DMX channels	12, 16, 40, 44	
Input connections	Power supply	Lockable input socket (Power Twist)
	DMX control	XLR chassis socket, 3-pin
Output connections	Power supply	Lockable output socket (Power Twist).
	DMX control	XLR chassis socket, 3-pin

Power consumption	104 W	
Supply voltage	100 – 240 V ~ 50/60 Hz	
Fuse	5 mm × 20 mm, 3 A, 250 V, slow-blow	
Degree of protection	IP20	
Mounting options	Hanging, standing Quick-release hole for attaching Omega brackets	
Dimensions (W × H × D)	405 mm × 378 mm × 150 mm	
Weight	6.8 kg	
Ambient conditions	Temperature range	0 °C…40 °C
	Relative humidity	50 %, non condensing

Further information

Similar design	Moving Head
DMX control	Yes
Master/Slave	Yes
Remote control	Not possible
Sound control	Yes
Display	Yes

8 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')

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 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	1. Check the mains connection and the main fuse.
	2. Check the settings in manual operation.
No response to the DMX controller	1. Check whether the DMX cables run near or parallel to high-voltage cables that may cause damage or interference to a DMX interface circuit.
	2. Try using another DMX controller.

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 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.

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 product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

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