STAIRVILLE

Show Bar Pro
16x10W RGBAW IP65
LED floodlight

th•mann
MUSIC IS OUR PASSION

user manual

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1 General notes

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

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.
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 – hot surface.

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 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 short-circuit

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

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.

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 burns

The surface of the device can become very hot during operation.

Do not touch the device with bare hands during operation, and after switching off wait for at least 15 minutes.

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!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

3 Features

The LED floodlight is particularly suited for professional lighting tasks in tour and festival use.

- 16 5-in-1 RGBAW LEDs (10 W each)
- special positioning of the LEDs for superior colour mixing already over short distances
- also suited for fixed installation due to extensive control options
- Operating modes
  - DMX (four modes) with the optionally available IP65 DMX adapter cable
  - automatic with 25 preprogrammed shows
  - master / slave
  - manually via buttons and display at the unit
- robust and weatherproof metal housing
- various mounting options
- splash-proof connectors
- protection type IP65, suitable for outdoor use
- Splashproof safety plug (IP44)
- Pressure compensation element (prevents condensation inside the device)
- with the optionally available filter (item no. 437012), the beam angle can be increased from 20° to 50°

Information about protection class IP65

Equipment with protection class IP65 are dust-tight and completely protected against contact (first code number). They are also protected against splash water from any angle (second code digit). That is why this equipment can also be used outdoors. Event technology equipment is generally only designed for temporary use however (event lighting) and not for permanent use outdoors.

The specified protection class does not make a statement about the weather resistance of the equipment (resistance to changing ambient conditions as well as against the effects of sunlight and UV rays).

The seals and screw connections of the equipment must be checked regularly to ensure a fault-free operation. In cases of doubt, consult a specialist workshop in due time.

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

Always ensure sufficient ventilation.

The ambient temperature must not exceed the limits stated in the chapter Technical Specifications of the User Manual.

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.

NOTICE!

Possible damage due to moisture

Moisture entering into open connectors (plugs and couplers) of DMX or power cords can cause short circuits.

Close unused connectors with end caps intended for this purpose (*www.thomann.de*).

Mounting options

You can install the device on the wall, the ceiling or on the floor. Two mounting brackets and the necessary screws are included.

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.

Attaching the filter

The filter, optionally available as accessory (item no. 437012), can be fixed at the front of the unit with four undetachable thumb screws. Place the filter onto the front side and tighten the screws successively finger-tight.

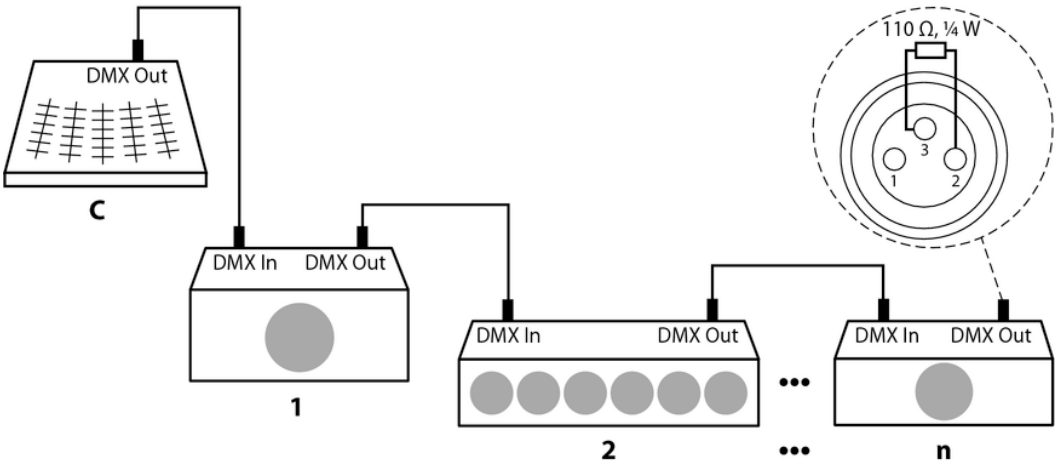
5 Starting up

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 other DMX device. Connect the output of the first DMX device to the input of the second one and so on, to form a series connection.

Such a chain may consist of up to 30 DMX devices. Make sure that the output of the last device in the chain is terminated by a resistor (110 Ω, ¼ W).



DMX indicator

If the unit is in DMX mode and a DMX controller is connected and turned on, the *'d'* is flashing in the first digit of the display.

Connections in 'Master / Slave' mode

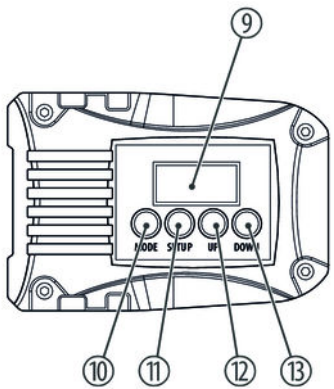
When you configure a group of devices in 'Master / Slave' mode, the first device controls the others. This function is ideal when you want to start a show immediately. Connect the DMX output of the master device to the DMX input of the first slave device. Then connect the DMX output of the first slave unit to the DMX input of the second slave unit and so on (maximum 30 slaves).

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

6 Connections and controls

1	*[Power In]* Lockable input socket (Power Twist IP65 True 1) for power supply
2	*[DMX In]* DMX input.
3	Horizontally slidable mounting bracket which is adjustable in inclination
4	Locking screws for locking the floodlight in the desired orientation
5	*[DMX Out]* DMX output
6	*[Power Out]* Lockable output socket (Power Twist IP65 True 1) for the power supply of further devices
7	Pressure equalisation element
8	Control panel with function keys and display

Control panel and display



9	Display.
10	*[MODE]* Activates the main menu or toggles between menu items.
11	*[SETUP]* Chooses between the options of the selected mode
12	*[UP]* Navigates upwards in a menu list. Increases the displayed value by one.
13	Taste *[DOWN]* Navigates downwards in a menu list. Decreases the displayed value by one.

7 Operating

7.1 Starting the device

Connect the device to the power supply to start operation. After a few seconds, the display indicates that a reset is in progress. The device is then ready for use. The display shows the operating mode that was selected when the unit was last powered off.

7.2 Main menu

Press *[MODE]* to activate the main menu and select an operating mode. Use *[SETUP]* to select further options. Use *[UP]* and *[DOWN]* to change the respectively displayed value. When the display shows the desired value, press *[SETUP]*.

If you do not press any key for about 30 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'*.

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 *'Pro'*. Press *[SETUP]*. Now you can select one of the preprogrammed automatic shows. Use *[UP]* and *[DOWN]* to select a value between *'Pr.01'* and *'Pr.25'*.

Settings for programme 01:

For *'Pr.01'*, you can choose from 19 basic colours, maximum intensity or blackout of all LEDs. Press *[SETUP]*. Now use *[UP]* and *[DOWN]* to select a value between *'1.--r'* and *'19.on'* or *'-OFF'*.

To adjust the flash frequency, press *[SETUP]*. Now use *[UP]* and *[DOWN]* to select a value between *'FS.00'* (slow) and *'FS.99'* (fast).

Settings for programmes 02 … 25:

To adjust the speed of the selected auto show, press *[SETUP]* repeatedly until the display shows *'SP.xx'*. Now use *[UP]* and *[DOWN]* to select a value between *'SP.01'* (slow) and *'SP.99'* (fast) or *'SP.FL'*.

To adjust the flash frequency, press *[SETUP]* repeatedly until the display shows *'FS.xx'*. Now use *[UP]* and *[DOWN]* to select a value between *'FS.00'* (slow) and *'FS.99'* (fast).

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'* and confirm with *[SETUP]*.

DMX mode

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

Press *[MODE]* repeatedly until the display shows *'d.xxx'*. Press *[SETUP]*.

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 (display shows *'d.001'* … *'d.512'*).

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

Mode	Highest possible DMX address
5-channel	508
7-channel	506
9-channel	504
80-channel	433

Press *[SETUP]*. Now use *[UP]* and *[DOWN]* to select one of the following DMX operating modes:

- *'5.-CH'* (five channels)
- *'7.-CH'* (seven channels)
- *'9.-CH'* (nine channels)

- *'80-CH'* (eighty channels)

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]*.

Use *[UP]* and *[DOWN]* to select one of the following options:

Display	Meaning
'r.000' … *'r.255'*	Red
'g.000' … *'g.255'*	Green
'b.000' … *'b.255'*	Blue
'u.000' … *'u.255'*	White
'A.000' … *'A.255'*	Amber

To adjust the flash frequency, press *[SETUP]* repeatedly until the display shows *'FS.xx'*. Now use *[UP]* and *[DOWN]* to select a value between *'FS.00'* (slow) and *'FS.99'* (fast).

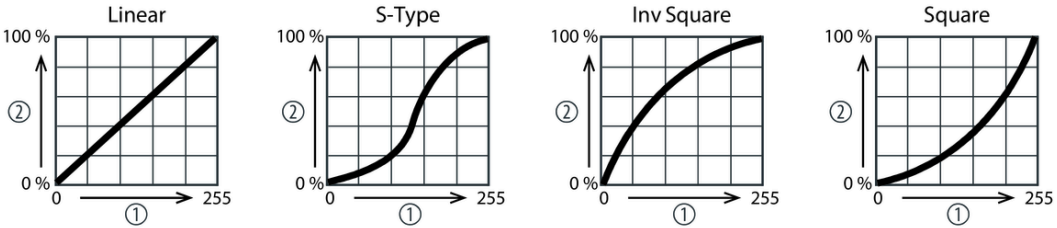
Dimmer curve

Press *[MODE]* repeatedly until the display shows *'Set'*. Press *[SETUP]*. Use *[UP]* | *[DOWN]* to select the menu item *'CuSE'* and confirm with *[SETUP]*.

Use *[UP]* | *[DOWN]* 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
'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

Press *[MODE]* repeatedly until the display shows *'Set'*. *[SETUP]*. Use *[UP]* | *[DOWN]* to select the menu item *'-rSt'* and confirm with *[SETUP]*. Use *[UP]* | *[DOWN]* to select between *'-Yes'* (carry out reset) and *'-NO'* (no reset) and confirm with *[SETUP]*.

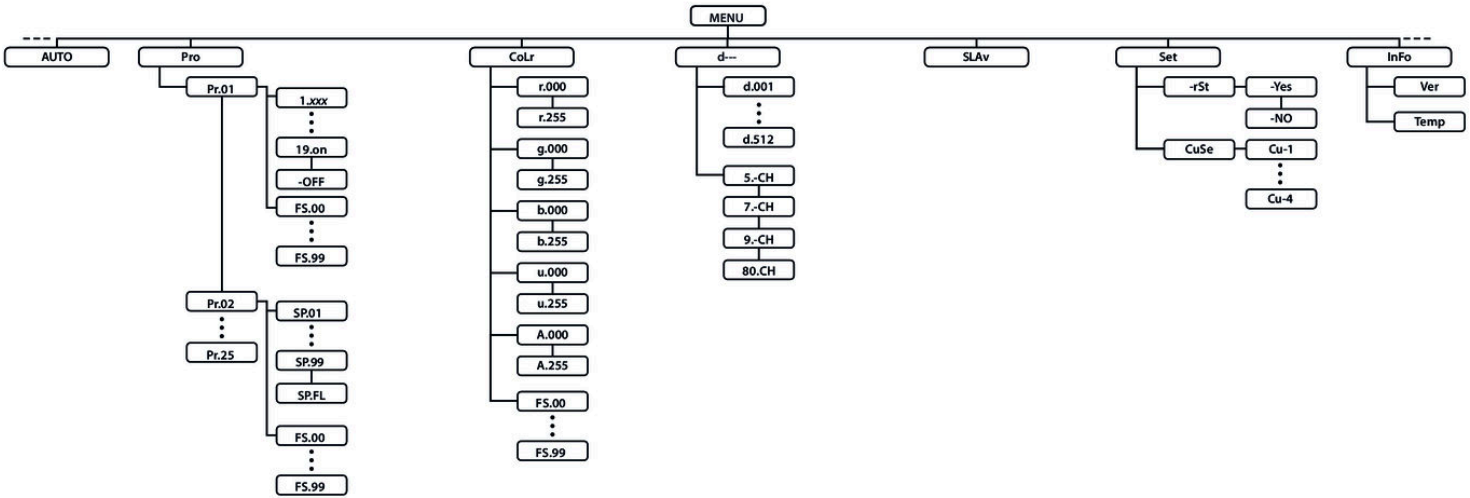
Firmware version

Press *[MODE]* repeatedly until the display shows *'InFo'*. Press *[SETUP]*. Use *[UP]* | *[DOWN]* to select the menu item *'Ver'* and confirm with *[SETUP]* to let the device show the firmware version.

Device temperature

Press *[MODE]* repeatedly until the display shows *'InFo'*. Press *[SETUP]*. Use *[UP]* | *[DOWN]* to select the menu item *'Temp'* and confirm with *[SETUP]*. The display shows *'t-ok'* when the device termperature is within the permissible range and shows *'t-NG'* when the device is overheated. If it is so, switch the device off and let it cool down.

7.3 Menu overview



7.4 Functions in 5-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
5	0…255	Intensity amber (0 % to 100 %), for all LEDs

7.5 Functions in 7-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

Channel	Value	Function
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	Intensity amber (0 % to 100 %), for all LEDs
7	Strobe effect	
	0…255	Stroboscope effect (0 % to 100 %)

7.6 Functions in 9-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	0…255	Intensity red (0 % to 100 %)

Channel	Value	Function
3	0…255	Intensity green (0 % to 100 %)
4	0…255	Intensity blue (0 % to 100 %)
5	0…255	Intensity white (0 % to 100 %)
6	0…255	Intensity amber (0 % to 100 %), for all LEDs
7	0	No function
	1…9	Preprogrammed automatic show no. 01
	10…19	Preprogrammed automatic show no. 02
	20…29	Preprogrammed automatic show no. 03
	30…39	Preprogrammed automatic show no. 04
	40…49	Preprogrammed automatic show no. 05
	50…59	Preprogrammed automatic show no. 06
	60…69	Preprogrammed automatic show no. 07
	70…79	Preprogrammed automatic show no. 08

Channel	Value	Function
	80…89	Preprogrammed automatic show no. 09
	90…99	Preprogrammed automatic show no. 10
	100…109	Preprogrammed automatic show no. 11
	110…119	Preprogrammed automatic show no. 12
	120…129	Preprogrammed automatic show no. 13
	130…139	Preprogrammed automatic show no. 14
	140…149	Preprogrammed automatic show no. 15
	150…159	Preprogrammed automatic show no. 16
	160…169	Preprogrammed automatic show no. 17
	170…179	Preprogrammed automatic show no. 18
	180…189	Preprogrammed automatic show no. 19
	190…199	Preprogrammed automatic show no. 20
	200…209	Preprogrammed automatic show no. 21

Channel	Value	Function
	210…219	Preprogrammed automatic show no. 22
	220…229	Preprogrammed automatic show no. 23
	230…239	Preprogrammed automatic show no. 24
	240…255	Preprogrammed automatic show no. 25
8	Function depending on setting of channel 7	
	Channel 7 = 1…9	
	0…12	Blackout (R: 0; G: 0; B: 0; W: 0; A: 0)
	13…25	R: 255; G: 0; B: 0; W: 0; A: 0
	26…38	R: 0; G: 255; B: 0; W: 0; A: 0
	39…51	R: 0; G: 0; B: 255; W: 0; A: 0
	52…64	R: 0; G: 0; B: 0; W: 255; A: 0
	65…77	R: 0; G: 0; B: 0; W: 0; A: 255
	78…90	R: 255; G: 180; B: 0; W: 0; A: 120

Channel	Value	Function
	91…103	R: 255; G: 255; B: 0; W: 0; A: 255
	104…116	R: 255; G: 0; B: 255; W: 0; A: 0
	117…129	R: 255; G: 0; B: 120; W: 0; A: 0
	130…142	R: 0; G: 255; B: 255; W: 0; A: 0
	143…155	R: 255; G: 0; B: 0; W: 200; A: 0
	156…168	R: 0; G: 255; B: 0; W: 500; A: 0
	169…181	R: 0; G: 0; B: 255; W: 200; A: 0
	182…194	R: 255; G: 0; B: 0; W: 0; A: 255
	195…207	R: 0; G: 255; B: 0; W: 0; A: 255
	208…220	R: 0; G: 0; B: 255; W: 0; A: 255
	221…233	R: 0; G: 0; B: 0; W: 255; A: 255
	234…246	R: 255; G: 155; B: 0; W: 70; A: 255
	247…255	R: 255; G: 255; B: 255; W: 255; A: 255

Channel	Value	Function
	Channel 7 = 10…255	
	0…255	Programme speed Pr.02…Pr.25
9	Strobe effect	
	0…255	Stroboscope effect (0 % to 100 %)

7.7 Functions in 80-channel DMX mode

In this mode, the intensitiy of each colour of each LED can be controlled separately. The following table shows the assignment of the DMX channels.

Channel 1	Channel 2	Channel 3	Channel 4	Channel 5
Red, LED 1	Green, LED 1	Blue, LED 1	White, LED 1	Amber, LED 1
Channel 6	**Channel 7**	**Channel 8**	**Channel 9**	**Channel 10**

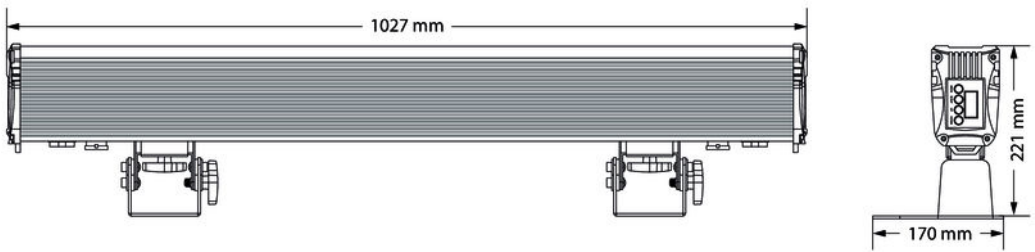
Red, LED 2	Green, LED 2	Blue, LED 2	White, LED 2	Amber, LED 2
Channel 11	**Channel 12**	**Channel 13**	**Channel 14**	**Channel 15**
Red, LED 3	Green, LED 3	Blue, LED 3	White, LED 3	Amber, LED 3
Channel 16	**Channel 17**	**Channel 18**	**Channel 19**	**Channel 20**
Red, LED 4	Green, LED 4	Blue, LED 4	White, LED 4	Amber, LED 4
Channel 21	**Channel 22**	**Channel 23**	**Channel 24**	**Channel 25**
Red, LED 5	Green, LED 5	Blue, LED 5	White, LED 5	Amber, LED 5
Channel 26	**Channel 27**	**Channel 28**	**Channel 29**	**Channel 30**
Red, LED 6	Green, LED 6	Blue, LED 6	White, LED 6	Amber, LED 6
Channel 31	**Channel 32**	**Channel 33**	**Channel 34**	**Channel 35**
Red, LED 7	Green, LED 7	Blue, LED 7	White, LED 7	Amber, LED 7
Channel 36	**Channel 37**	**Channel 38**	**Channel 39**	**Channel 40**
Red, LED 8	Green, LED 8	Blue, LED 8	White, LED 8	Amber, LED 8
Channel 41	**Channel 42**	**Channel 43**	**Channel 44**	**Channel 45**

Red, LED 9	Green, LED 9	Blue, LED 9	White, LED 9	Amber, LED 9
Channel 46	**Channel 47**	**Channel 48**	**Channel 49**	**Channel 50**
Red, LED 10	Green, LED 10	Blue, LED 10	White, LED 10	Amber, LED 10
Channel 51	**Channel 52**	**Channel 53**	**Channel 54**	**Channel 55**
Red, LED 11	Green, LED 11	Blue, LED 11	White, LED 11	Amber, LED 11
Channel 56	**Channel 57**	**Channel 58**	**Channel 59**	**Channel 60**
Red, LED 12	Green, LED 12	Blue, LED 12	White, LED 12	Amber, LED 12
Channel 61	**Channel 62**	**Channel 63**	**Channel 64**	**Channel 65**
Red, LED 13	Green, LED 13	Blue, LED 13	White, LED 13	Amber, LED 13
Channel 66	**Channel 67**	**Channel 68**	**Channel 69**	**Channel 70**
Red, LED 14	Green, LED 14	Blue, LED 14	White, LED 14	Amber, LED 14
Channel 71	**Channel 72**	**Channel 73**	**Channel 74**	**Channel 75**
Red, LED 15	Green, LED 15	Blue, LED 15	White, LED 15	Amber, LED 15

Channel 76	Channel 77	Channel 78	Channel 79	Channel 80
Red, LED 16	Green, LED 16	Blue, LED 16	White, LED 16	Amber, LED 16

8 Technical specifications

LEDs	16 5-in-1 RGBAW LEDs (10 W each)
Beam angle	20°
Number of DMX channels	3, 6 or 72, depending on operating mode
Operating supply voltage	AC 100 – 240 V ~ 50/60 Hz
Power consumption	190 W
Protection	IP65
Dimensions (W × H × D)	1027 mm × 170 mm × 221 mm
Weight	7.6 kg



Environmental conditions

Temperature range	0 °C…40 °C
Relative humidity	50 %, non-condensing

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 fuse.
No response to the DMX controller.	1. When the display is flashing, e.g. *'d001'*, no valid DMX signal can be received. Make sure that the DMX controller is turned on. Check the DMX ports and cables for proper connection.
	2. If the display does not flash and still no response, check the address settings and the DMX polarity.
	3. Try using another DMX controller.
	4. Check to see if the DMX cables run near or alongside to high voltage cables that may cause damage or interference to DMX interface circuits.

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

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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