



Sidus X6 HEX

LED PAR

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26.04.2024, ID: 506143 (V2)

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1 General information

This document contains important instructions for the safe operation of the product. Read and follow the safety instructions and all other instructions. Keep the document for future reference. Make sure that it is available to all those using the product. If you sell the product to another user, be sure that they also receive this document.

Our products and documentation are subject to a process of continuous development. They are therefore subject to change. Please refer to the latest version of the documentation, which is ready for download under www.thomann.de.

1.1 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 document.

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 signs	Type of danger
	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 only 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!

Risk of injury and choking hazard for children!

Children can suffocate on packaging material and small parts. Children can injure themselves when handling the device. Never allow children to play with the packaging material and the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision. Keep small parts away from children and make sure that the device does not shed any small parts (such knobs) that children could play with.

**DANGER!****Danger to life due to electric current!**

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 when covers, safety equipment or optical components are missing or damaged.

**DANGER!****Danger to life due to electric current!**

A short circuit could lead to a fire hazard and risk of death. Always use proper ready-made insulated triple-core mains cable with a safety plug. Do not modify the mains cable or the plug. In case of isolation damage, disconnect immediately the power supply and arrange repair. If in doubt, seek advice from a qualified electrician.

**WARNING!****Risk of eye damage caused by high light intensity!**

The device generates highly intense light radiation. Looking directly into the light source can damage the eyes. Never look directly into the light source.

**WARNING!****Risk of epileptic fit due to flashing lights!**

The device emits flashing lights (strobe effects). Flashing lights can trigger epileptic fits in specific people. If you are at risk of epilepsy, avoid spending longer periods of time subjected to flashing lights and looking into strobing light.

**WARNING!****Risk of injury from falling devices that were inadequately secured!**

If devices are not properly secured during assembly, they can cause severe injury and considerable damage by falling. When installing and operating, make sure to follow the standards and regulations 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 fire due to covered vents and neighbouring heat sources!**

If the vents of the device are covered or the device is operated in the immediate vicinity of other heat sources, the device can overheat and burst into flames. Never cover the device or the vents. Do not install the device in the immediate vicinity of other heat sources. Never operate the device in the immediate vicinity of naked flames.

**NOTICE!****Risk of fire due to installation of a wrong fuse!**

Using fuses of a different type than compatible with the device may cause a fire and seriously damage the device. Only use fuses of the same type. Observe the labelling on the device casing and the information in the "Technical data" chapter.

**NOTICE!****Damage to the device if operated in unsuitable ambient conditions!**

The device can be damaged if it is operated in unsuitable ambient conditions. Only operate the device indoors within the ambient conditions specified in the "Technical specifications" chapter of this user manual. Avoid operating it in environments with direct sunlight, heavy dirt and strong vibrations. Avoid operating it in environments with strong temperature fluctuations. If temperature fluctuations cannot be avoided (for example after transport in low outside temperatures), do not switch on the device immediately. Never subject the device to liquids or moisture. Never move the device to another location while it is in operation. In environments with increased dirt levels (for example due to dust, smoke, nicotine or mist): Have the device cleaned by qualified specialists at regular intervals to prevent damage due to overheating and other malfunctions.

**NOTICE!****Risk of fire by exceeding the maximum current!**

The device can supply power to other devices of identical design and connected in series. If too many devices are connected, the maximum permitted power consumption can be exceeded, which can cause the device to overheat and burst into flames. Only connect devices of identical design to the device. When deciding how many devices you can connect in series, make sure that the maximum output current specified on the device and in the "Technical specifications" chapter of the user manual is not exceeded. Only use power cords with a cable cross-section designed for the required current intensity when connecting the devices in series.

**NOTICE!****Possible staining due to plasticiser in rubber feet!**

The plasticiser contained in the rubber feet of this product may react with the coating of the floor and cause permanent dark stains after some time. If necessary, use a suitable mat or felt slide to prevent direct contact between the device's rubber feet and the floor.

**NOTICE!****Risk of fire due to incorrect polarity!**

Incorrectly inserted batteries may cause fires and destroy the device and the batteries. Observe the markings on the batteries and on the device. Ensure that proper polarity is observed when inserting batteries.

**NOTICE!****Possible damage due to leaking batteries!**

Batteries can leak and cause permanent damage to the device. Take the batteries out of the device if it is not going to be used for an extended period of time.

3 Features

Special features of the device:

- Multifunctional LED spot
- High-quality optical unit ensures a homogeneous light image in terms of colour mixing and light distribution
- 7 × RGBAW+UV 6-in-1 LEDs, each 10 W
- Control via DMX (4 channels), buttons and display on the unit and also via the supplied infrared control
- Ten preprogrammed automatic shows
- Master / Slave mode
- Colour macros
- Sound control via built-in microphone
- Universal detachable double bracket for hanging or standing installation
- Adjustment screw on the bottom of the housing for angling when used as an up-light
- Quiet operation with silent mode
- Compact and lightweight housing for mobile use

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 from falling devices that were inadequately secured!

If devices are not properly secured during assembly, they can cause severe injury and considerable damage by falling.

When installing and operating, make sure to follow the standards and regulations 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 and fire due to inadequate distance and bad ventilation!

If the distance between the light source and the illuminated surface is too short or the device is badly ventilated, the device can overheat and cause fires.

Make sure that illuminated surfaces are more than 2 m away.

Do not operate the device in ambient temperatures above 40 °C.

Always ensure sufficient ventilation at the operating location.



NOTICE!

Potential property damage due to unsuitable stands!

If the device is mounted on an unsuitable stand, there is a risk that the stand will fall over and cause damage.

Only use stands whose maximum bearing capacity is at least as high as the weight of the device. Always ensure that the stand is stable.



NOTICE!

Data transfer errors due to improper wiring!

If the DMX connections are wired incorrectly, this can cause errors during the data transfer.

Do not connect the DMX input and output to audio devices, e.g. mixers or amplifiers.

Use special DMX cables for the wiring instead of normal microphone cables.

Mounting options

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

Always work from a stable platform whenever installing, moving or servicing the device. While you do this, the area underneath the device must be cordoned off.

The safety cable must be attached to the safety eyelet.

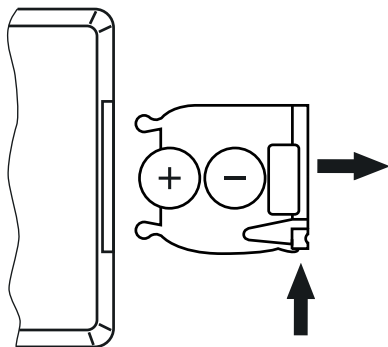
DMX indicator

If the device is in DMX mode and a DMX controller is connected and turned on, the indicator on the display lights up green. If the device is in DMX mode, but no switched-on DMX controller connected, the indicator on the display lights up red.



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

Inserting batteries into the remote



Push the lock of the battery holder towards the centre of the housing and pull out the battery holder like a drawer. Insert the batteries. Check for correct polarity as shown on the back of the remote control. Slide the battery holder back into the remote until it clicks into place.

When shipping, the batteries are already installed in the remote and protected against discharge by a transparent plastic film. Remove the plastic film before initial use.



NOTICE!

Risk of fire due to incorrect polarity!

Incorrectly inserted batteries may cause fires and destroy the device and the batteries.

Observe the markings on the batteries and on the device.

Ensure that proper polarity is observed when inserting batteries.



NOTICE!

Possible damage due to leaking batteries!

Batteries can leak and cause permanent damage to the device.

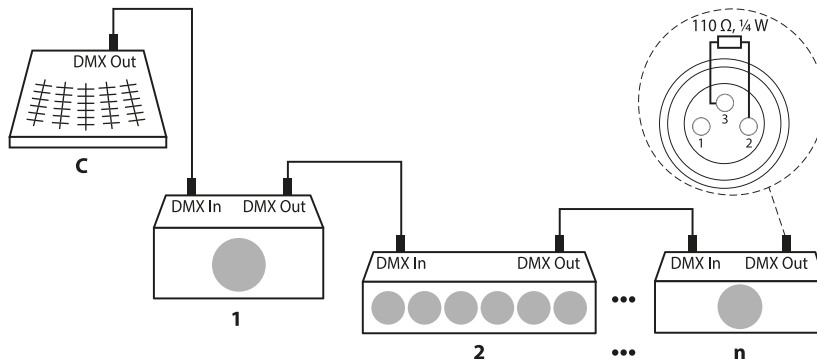
Take the batteries out of the device if it is not going to be used for an extended period of time.

5 Starting up

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

Connections in DMX mode

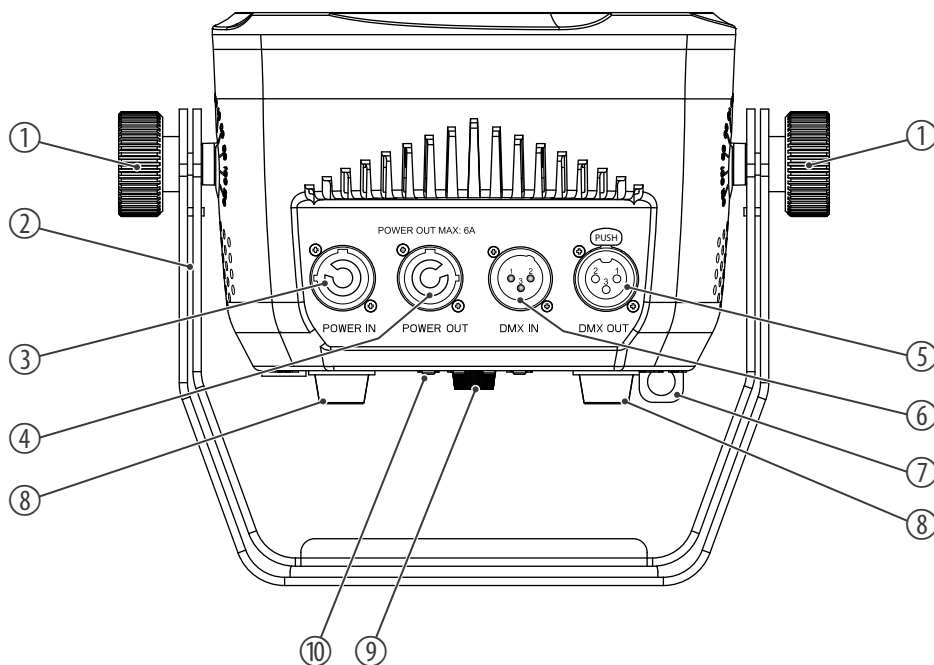
Connect the DMX input of the device to the DMX output of a DMX controller or another DMX device. Connect the output of the first DMX device to the input of the second one, and so on to form a daisy chain. Always ensure that the output of the last DMX device in the daisy chain is terminated with a resistor ($110\ \Omega$, $\frac{1}{4}\text{ W}$).



Connections in master/slave mode

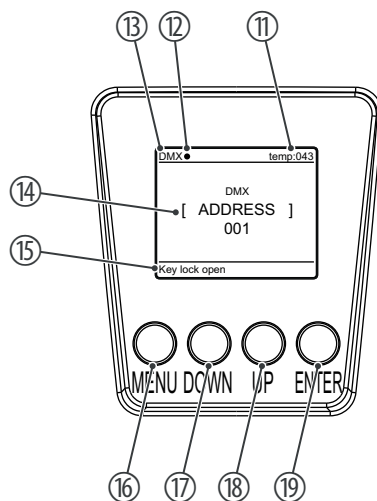
When you configure a group of devices in master/slave mode, the first unit will control the other units for an automatic, sound-activated, synchronized show. This function is ideal when you want to start a show immediately. Connect the DMX output of the master device to the DMX input of the first slave 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



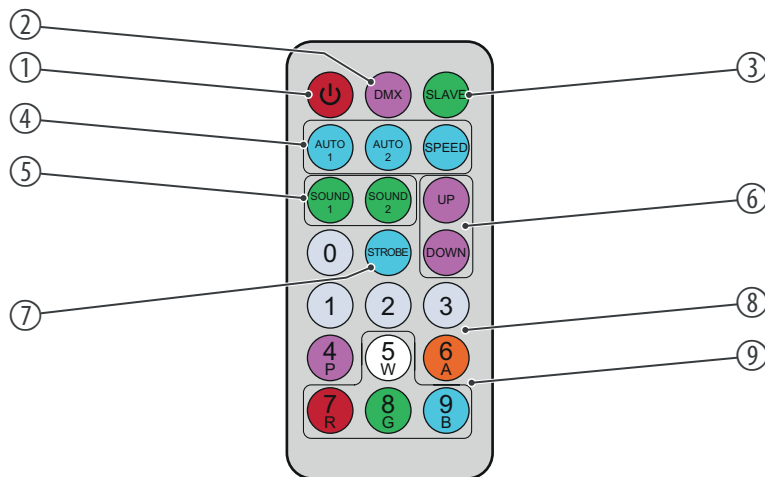
1	Locking screws for the bracket
2	Detachable double bracket for floor placement or hanging
3	[POWER IN] lockable input socket (Power Twist) for power supply
4	[POWER OUT] lockable output socket (Power Twist) for the power supply of further units
5	[DMX OUT] DMX output, designed as XLR panel socket, 3-pin
6	[DMX IN] DMX input, designed as XLR panel plug, 3-pin
7	Safety cable eyelet
8	Rubber feet
9	Adjustment screw for angling the housing
10	Display and function buttons

Display



11	Shows the operating temperature. If the maximum operating temperature is exceeded, the colour of the text changes from white to yellow.
12	Shows the status of the signal transmission in DMX or master / slave mode Green: signal transmission Red: signal transmission interrupted
13	Shows the currently selected operating mode (DMX, master / slave)
14	Shows the currently selected menu
15	Shows the key lock status 'Key lock open': key lock deactivated 'Key lock closed': key lock activated
16	[MENU] activates the main menu, closes an opened submenu
17	[DOWN] toggles between the menu items of a menu level, decreases the displayed value
18	[UP] toggles between the menu items of a menu level, increases the displayed value
19	[ENTER] selects an option of the respective operating mode, confirms the set value

Remote control



1 ⏻ | turns the device on and off

2 [DMX] | activates the DMX mode

Press the button once, then use [UP] and [DOWN] to set the DMX address.

Press the button twice, then use [UP] and [DOWN] to set the DMX channel.

3	[SLAVE] toggles between master and slave mode
4	[AUTO 1], [AUTO 2] activates automatic mode 1 or 2 [SPEED] activates the setting mode for the programme speed, adjust the speed using [UP] and [DOWN]
5	[SOUND 1], [SOUND 2] activates mode 1 or 2 of the sound control
6	[UP] toggles between individual programmes, increases the set value [DOWN] toggles between individual programmes, decreases the set value
7	[STROBE] activates the strobe effect, set the strobe frequency with [UP] and [DOWN]
8	[0 ... 9] numeric keys for direct entry of values
9	Buttons for colour selection Use ■ [P] for UV light, ■ [W] for white light, ■ [A] for amber light, ■ [R], [G] or [B] for primary colours red, green and blue.

7 Operating

7.1 Starting the device

Connect the device to the mains to start operation. After a few seconds the device is ready for use.

7.2 Operating controls on the device

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* to switch between the menu items.
3. ➤ To activate the displayed menu item, press *[ENTER]*.
4. ➤ Press *[UP]* or *[DOWN]* to change the displayed value.
5. ➤ To confirm the displayed value, press *[ENTER]*.
6. ➤ Press *[MENU]* to return to the parent menu level.

If you do not press any button for about 30 seconds, the display will turn off. The set values are retained even when the device is disconnected from the mains power supply.

7.2.1 DMX address

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

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*DMX ADDRESS*'. Confirm the selection with *[ENTER]*.
3. ➤ Use *[UP]* or *[DOWN]* to select the required DMX address between 1 ('001') and 512 ('512') and confirm the selection with *[ENTER]*.

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

Mode	Highest possible DMX address
7-channel mode	506
9-channel mode	504
12-channel mode	501
19-channel mode	494

7.2.2 DMX mode

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

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*CHANNELS MODE*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* to select the desired DMX mode (display shows '*07CH*', '*09CH*', '*12CH*' or '*19CH*') and confirm the selection with *[ENTER]*.

7.2.3 Dimmer curve

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*DMX CURVE*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* to select the desired dimmer curve (display shows '*CURV 1*', '*CURV 2*', '*CURV 3*' or '*CURV 4*') and confirm the selection with *[ENTER]*.

7.2.4 Behaviour on DMX control failure

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*DMX STATE*'. Confirm the selection with *[ENTER]*.
⇒ The display shows '*DMX Fail*'
3. ➤ Confirm the selection with *[ENTER]*.
4. ➤ Use *[UP]* or *[DOWN]* to choose between '*DMX HOLD*' and '*BLACKOUT*' to make the setting to be used when DMX control fails.
5. ➤ Press *[ENTER]* to accept the selection.

Display	Meaning
'DMX HOLD'	Last DMX value is maintained.
'BLACKOUT'	Spotlight is turned off.

7.2.5 Slave mode

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

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*SLAVE MODE*'. Confirm the selection with *[ENTER]*.
 - ⇒ The device is now running in slave mode, i.e. it will copy the behaviour of the controlling master device exactly if the wiring is correct.

7.2.6 Auto programmes

In this operating mode you select one of the automatic programmes and configure the running speed of the automatic programme.

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*AUTO MODE*'. Confirm the selection with *[ENTER]*.

3. ➤ Automatic programme

Press *[UP]* or *[DOWN]* repeatedly until the display shows '*AUTO*'. Confirm the selection with *[ENTER]*.

4. ➤ Use *[UP]* or *[DOWN]* to select the desired automatic programme (display shows '*01*' ... '*10*'). Confirm the selection with *[ENTER]*.

5. ➤ Press *[MENU]* to return to the parent menu level.

6. ➤ Running speed

Press *[UP]* or *[DOWN]* until the display shows '*SPEED*'. Confirm the selection with *[ENTER]*.

7. ➤ Press *[UP]* or *[DOWN]* to adjust the flow rate (display '*01*' ... '*31*') of the selected automatic program. Confirm the selection with *[ENTER]*.

7.2.7 Sound control

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

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*Sound MODE*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*SOUND*'. Confirm the selection with *[ENTER]*.
4. ➤ Use *[UP]* or *[DOWN]* to select the desired sound-controlled programme (display shows '*01*' ... '*10*'). Confirm the selection with *[ENTER]*.
5. ➤ Press *[MENU]* to return to the parent menu level.
6. ➤ Press *[UP]* or *[DOWN]* until the display shows '*SENS*'. Confirm the selection with *[ENTER]*.
7. ➤ Press *[UP]* or *[DOWN]* to set the microphone sensitivity between '*01*' (low sensitivity) and '*31*' (high sensitivity). Confirm the selection with *[ENTER]*.

7.2.8 Individual colour settings

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*MANUAL MODE*'. Confirm the selection with *[ENTER]*.
⇒ All LEDs light up with full intensity.
3. ➤ Press *[UP]* or *[DOWN]* to select the required submenu or value.

The following submenus are available:

Menu level 2	Menu level 3	Menu level 4	Description
'RED'	'000...255'		Red from 0 to 255
'GREEN'	'000...255'		Green from 0 to 255
'BLUE'	'000...255'		Blue from 0 to 255
'WHITE'	'000...255'		White from 0 to 255
'AMBER'	'000...255'		Amber from 0 to 255
'UV'	'000...255'		Ultraviolet from 0 to 255
'STROBE'	'000...020'		Strobe frequency from 0 to 20
'COLOR'	'001...049'		Colour macro 1 to 49

- 4.**  Press *[ENTER]* to accept the selection.

7.3 System settings

7.3.1 Dimmer settings

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows 'SET UP'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* to select the required submenu or value.

The following submenus are available:

Menu level 2	Menu level 3	Menu level 4	Description
'Dimmer ALL'	'000...255'		Dimmer intensity of all colours
'BALANCE'	'Dimmer RED'	'000...255'	Dimmer intensity red
	'Dimmer GREEN'	'000...255'	Dimmer intensity green
	'Dimmer BLUE'	'000...255'	Dimmer intensity blue
	'Dimmer WHITE'	'000...255'	Dimmer intensity white
	'Dimmer UV'	'000...255'	Dimmer intensity UV
	'Dimmer AMBER'	'000...255'	Dimmer intensity amber

4. ➤ Press *[ENTER]* to accept the selection.

7.3.2 Key lock

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*SET UP*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*Key locks*'. Confirm the selection with *[ENTER]*.
4. ➤ Use *[UP]* or *[DOWN]* to select '*OFF*' (keylock off) or '*ON*' (keylock on).
5. ➤ Press *[ENTER]* to accept the selection.
6. ➤ To cancel the key lock, consecutively press *[DOWN]*, *[UP]*, *[DOWN]*, *[UP]*.

7.3.3 Enabling the infrared receiver for the remote control

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*SET UP*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN repeatedly]* until the display shows '*REMOTE*'. Confirm the selection with *[ENTER]*.
4. ➤ Use *[UP]* or *[DOWN]* to select '*OFF*' (remote control off) or '*ON*' (remote control on).
5. ➤ Press *[ENTER]* to accept the selection.

7.3.4 Display lighting

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*SET UP*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*Display*'. Confirm the selection with *[ENTER]*.
4. ➤ Use *[UP]* or *[DOWN]* to choose between '*30S*' (display turns off after 30 seconds of inactivity) and '*ON*' (display is permanently on).
5. ➤ Press *[ENTER]* to accept the selection.

7.3.5 Resetting the device to factory defaults

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*SET UP*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*RESET*'. Confirm the selection with *[ENTER]*.
4. ➤ To reset the device to factory default settings, consecutively press *[UP]*, *[DOWN]*, *[UP]*, *[DOWN]*.
⇒ The device is being reset.

7.3.6 Pulse width modulation

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*SET UP*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*REFRESH RATE*'.
4. ➤ Use *[UP]* or *[DOWN]* to choose between '*600HZ*', '*1200HZ*', '*2400HZ*', '*4800HZ*', '*9600HZ*' and '*15000HZ*'.
5. ➤ Press *[ENTER]* to accept the selection.

7.3.7 Maximum operating temperature

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*SET UP*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*Max temp*'.
4. ➤ Use *[UP]* or *[DOWN]* to select a temperature between '*30°C*' and '*70°C*'.
5. ➤ Press *[ENTER]* to accept the selection.
 - ⇒ If the maximum operating temperature is exceeded, the colour of the text '*Temp xx*' on the display changes from white to yellow. The device then switches off automatically.

7.4 System information

7.4.1 Firmware version

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*INFO*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*Software Ver*'. Confirm the selection with *[ENTER]*.
⇒ The display shows the current firmware version.

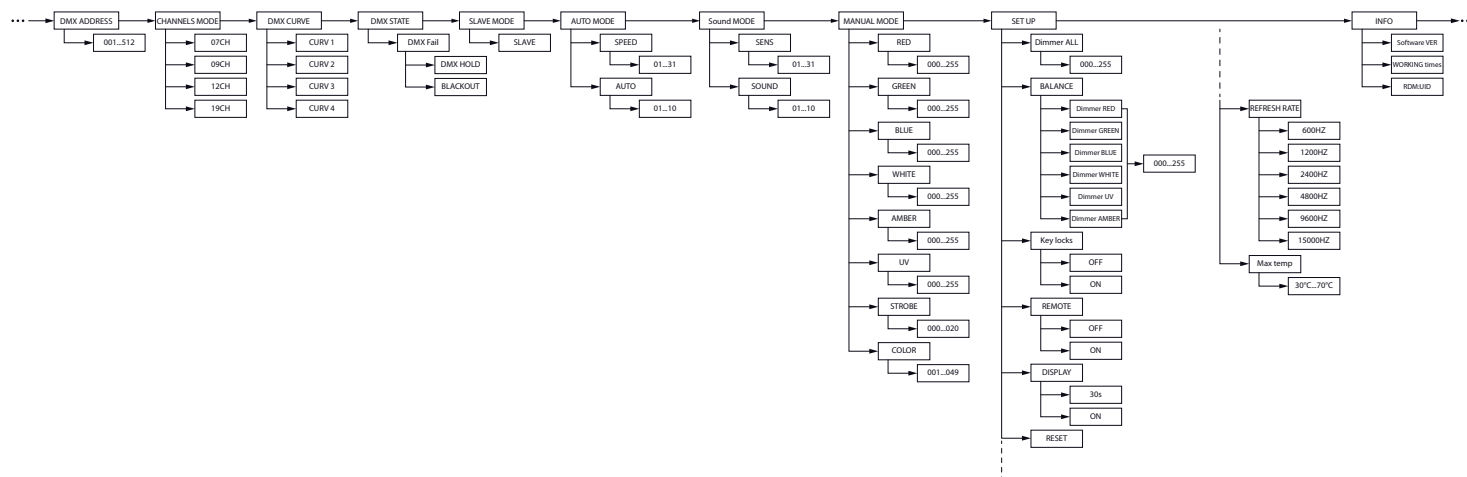
7.4.2 Operating hours

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*INFO*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* repeatedly until the display shows '*WORKING TIMES*'.
⇒ The display shows the operating hours of the device.

7.4.3 Displaying information for connected devices (Remote Device Management)

1. ➤ Press *[ENTER]* to activate the main menu.
2. ➤ Press *[UP]* or *[DOWN]* until the display shows '*INFO*'. Confirm the selection with *[ENTER]*.
3. ➤ Press *[UP]* or *[DOWN]* until the display shows '*RDM:UID*'.
 - ⇒ The display shows the information of the connected devices.

7.5 Menu overview



7.6 Functions in 7-channel DMX mode

Channel	Value	Function
1	0...255	Red intensity (0% to 100%)
2	0...255	Green intensity (0% to 100%)
3	0...255	Blue intensity (0% to 100%)
4	0...255	White intensity (0% to 100%)
5	0...255	Amber intensity (0% to 100%)
6	0...255	UV intensity (0% to 100%)
7	0...49	Process speed of dimmer 1
	50...99	Process speed of dimmer 2
	100...149	Process speed of dimmer 3
	150...199	Process speed of dimmer 4
	200...255	Process speed of dimmer 5

7.7 Functions in 9-channel DMX mode

Channel	Value	Function
1	0...255	Master dimmer (0% to 100%)
2	0...255	Red intensity (0% to 100%)
3	0...255	Green intensity (0% to 100%)
4	0...255	Blue intensity (0% to 100%)
5	0...255	White intensity (0% to 100%)
6	0...255	Amber intensity (0% to 100%)
7	0...255	UV intensity (0% to 100%)
8	Strobe	
	0...9	LEDs on
	10...255	Strobe effect, increasing speed
9	0...49	Process speed of dimmer 1
	50...99	Process speed of dimmer 2
	100...149	Process speed of dimmer 3

Channel	Value	Function
	150...199	Process speed of dimmer 4
	200...255	Process speed of dimmer 5

7.8 Functions in 12-channel DMX mode

Channel	Value	Function
1	0...255	Master dimmer (0% to 100%)
2	0...255	Red intensity (0% to 100%)
3	0...255	Green intensity (0% to 100%)
4	0...255	Blue intensity (0% to 100%)
5	0...255	White intensity (0% to 100%)
6	0...255	Amber intensity (0% to 100%)
7	0...255	UV intensity (0% to 100%)
8	Strobe	
	0...9	LEDs on
	10...255	Strobe effect, increasing speed
9	Colour temperature	
	0...9	No function
	10...174	Colour macro 1 to 49
	175...189	3200 K

Channel	Value	Function
	190...204	5600 K
	205...219	6500 K
	220...234	8500 K
	235...249	10000 K
	250...255	Factory setting
10	Automatic show	
	0...20	No function
	21...30	Automatic show 1
	31...40	Automatic show 2
	41...50	Automatic show 3
	51...60	Automatic show 4
	61...70	Automatic show 5
	71...80	Automatic show 6
	81...90	Automatic show 7
	91...100	Automatic show 8
	101...110	Automatic show 9

Channel	Value	Function
	111...120	Automatic show 10
	121...220	Sound-controlled show
	221...255	No function
11	0...255	Flow rate increasing if channel 10 = 21...120
12	0...49	Process speed of dimmer 1
	50...99	Process speed of dimmer 2
	100...149	Process speed of dimmer 3
	150...199	Process speed of dimmer 4
	200...255	Process speed of dimmer 5

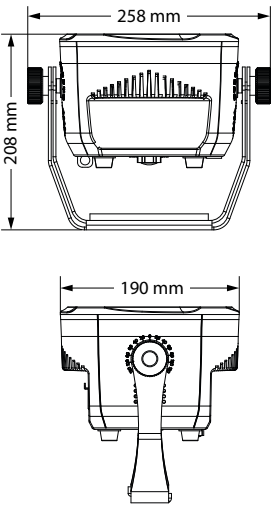
7.9 Functions in 19-channel DMX mode

Channel	Value	Function
1	0...255	Master dimmer (0% to 100%)
2	0...255	Fine tuning master dimmer (0% to 100%)
3	0...255	Red intensity (0% to 100%)
4	0...255	Fine tuning red intensity (0% to 100%)
5	0...255	Green intensity (0% to 100%)
6	0...255	Fine tuning green intensity (0% to 100%)
7	0...255	Blue intensity (0% to 100%)
8	0...255	Fine tuning blue intensity (0% to 100%)
9	0...255	White intensity (0% to 100%)
10	0...255	Fine tuning white intensity (0% to 100%)
11	0...255	Amber intensity (0% to 100%)
12	0...255	Fine tuning amber intensity (0% to 100%)
13	0...255	UV intensity (0% to 100%)
14	0...255	Fine tuning UV intensity (0% to 100%)

Channel	Value	Function
15	Strobe	
	0...9	LEDs on
	10...255	Strobe effect, increasing speed
16	Colour temperature	
	0...9	No function
	10...174	Colour macro 1 to 49
	175...189	3200 K
	190...204	5600 K
	205...219	6500 K
	220...234	8500 K
	235...249	10000 K
	250...255	Factory setting
17	Automatic show	
	0...20	No function
	21...30	Automatic show 1
	31...40	Automatic show 2

Channel	Value	Function
	41...50	Automatic show 3
	51...60	Automatic show 4
	61...70	Automatic show 5
	71...80	Automatic show 6
	81...90	Automatic show 7
	91...100	Automatic show 8
	101...110	Automatic show 9
	111...120	Automatic show 10
	121...255	No function
18	0...255	Flow rate increasing if channel 17 = 21...120
19	0...49	Process speed of dimmer 1
	50...99	Process speed of dimmer 2
	100...149	Process speed of dimmer 3
	150...199	Process speed of dimmer 4
	200...255	Process speed of dimmer 5

8 Technical specifications



Light source		7 × RGBAW+UV 6-in-1 LEDs, 10 W each
Optical properties	Beam angle	25°
Control	DMX, infrared remote control	
Number of DMX channels		7, 9, 12, 19
Input connections	Power supply	Lockable input socket (Power Twist)
	DMX control	XLR panel plug, 3-pin
Output connections	Power supply for further devices	Lockable output socket (Power Twist) Output current, max.: 6 A
	DMX control	XLR panel socket, 3-pin
Power consumption		70 W
Supply voltage		100 - 240 V ~ 50/60 Hz
Battery remote control		2 × button cell, AG10, 1.5 V
Fuse		5 mm × 20 mm, 3.5 A, 250 V, fast blow

International Protection Rating		IP20
Mounting options		Hanging, standing
Dimensions (W × H × D)		258 mm × 208 mm × 190 mm
Weight		4 kg
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	20%...80% (non-condensing)

Further information

Design	Flat PAR
Colour mix	RGBAWUV
LED type	x-in-1
Floor housing	Yes
Fanless	No
Remote control	Included
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!****Data transfer errors due to improper wiring!**

If the DMX connections are wired incorrectly, this can cause errors during the data transfer.

Do not connect the DMX input and output to audio devices, e.g. mixers or amplifiers.

Use special DMX cables for the wiring instead of normal microphone cables.

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 device is not working, no light, the display is dark	Check the mains connection and the fuse.
Device is apparently not working despite a proper power supply	Check if the unit is in DMX mode or in “slave” mode. If so, check the device in another mode.
No response to the DMX controller	1. If the device is in DMX mode and the display is flashing, no DMX signal is being received. Check that the DMX controller is switched on. Check the DMX connections and cables for proper connection.
	2. If the device is in DMX mode and a DMX controller is connected and turned on, a dot on the fourth digit of the display will flash. If this is not the case, no valid DMX signal is received. Check that the DMX controller is switched on. Check the DMX connections and cables for proper connection.
	3. If the dot flashes on the display but there is still no response, check the address settings and the DMX polarity.
	4. Try using another DMX controller.
	5. Check whether the DMX cables run near or parallel to high-voltage cables that may cause damage or interference to a DMX interface circuit.

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

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.

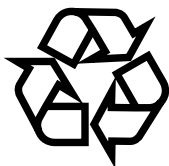
- Clean with a soft cloth using our lamp and lens cleaner (item no. 280122).
- Always dry the parts carefully.

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 packing material



Environmentally friendly materials have been chosen for the packaging. These materials can be sent for normal recycling. Ensure that plastic bags, packaging, etc. are disposed of in the proper manner.

Do not dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the instructions and markings on the packaging.



Observe the disposal note regarding documentation in France.

Disposal of batteries

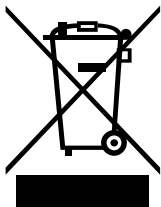


Batteries must not be thrown away or burnt, but must instead be disposed of in line with the local regulations on the disposal of hazardous waste. Use the available collection sites.

Before disposing of your old device, remove the batteries if this is possible without destroying it.

Dispose of the batteries or rechargeable batteries at suitable collection points or through your local waste facility.

Disposal of your old device



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) as amended.

Do not dispose of your old device with your normal household waste; instead, deliver it for controlled disposal by an approved waste disposal firm or through your local waste facility. If in doubt, consult your local waste management facility. You can also return the device to a retailer if they offer to take the device back for free or if they are legally obliged to do so. When disposing of the device, comply with the rules and regulations that apply in your country. You can also return your old device to Thomann GmbH at no charge. Check the current conditions on www.thomann.de.

Proper disposal protects the environment as well as the health of your fellow human beings. This is because the proper handling of old devices negates the potential negative effects of hazardous substances, and because it conserves resources by recycling them.

Also note that waste avoidance is a valuable contribution to environmental protection. Repairing a device or passing it on to another user is an ecologically valuable alternative to disposal.

If your old device contains personal data, delete those data before disposing of it.

