ignition

Xo8 LED Fx Strobe IP65 800W

User manual

stroboscope

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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.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

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

2 Safety instructions

Intended use

This device is intended for use as an electronic lighting effect by means of LED technology. The device is designed for professional use and is not suitable for use in households. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Extend the life of the device by regular breaks in operation and avoid switching it on and off frequently. This device is not suitable for continuous use.

Safety

DANGER!

Danger for children

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

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

Never let children unattended use electrical devices.

DANGER!

Hazardous voltage

The wiring, as well as all maintenance and repair work on the electrical installation of the device must only be performed by qualified electrical personnel. Failure to do so may result in electric shock and risk of fire and loss of life.

Before starting work on the electrical installation, the device must be turned volt-free.

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 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.

Secure the barn door with a safety cable on the spotlight after installation. The safety cable must run outside the barn door and must not interfere with the light emission.

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.

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.

3 Features

Special features of the device:

- 4 separately controllable white light LED segments (each 200 W)
- 32 RGB LEDs for the backlight
- Operation in stand-alone and DMX mode (5 different modes)
- Simple operation via display and buttons on the unit
- Built-in automatic show programmes
- Master / Slave mode
- Robust aluminium housing
- Due to degree of protection IP65 outdoor operation is also possible
- 2.4 GHz W-DMX module for wireless DMX control

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.

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.

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.

DANGER!

Hazardous voltage

The wiring, as well as all maintenance and repair work on the electrical installation of the device must only be performed by qualified electrical personnel. Failure to do so may result in electric shock and risk of fire and loss of life.

Before starting work on the electrical installation, the device must be turned volt-free.

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.

Secure the barn door with a safety cable on the spotlight after installation. The safety cable must run outside the barn door and must not interfere with the light emission.

NOTICE!

Risk of overheating

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

Provide sufficient ventilation.

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

NOTICE!

Use of stands

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

NOTICE!

Possible data transmission errors

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

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

NOTICE!

Possible damage due to moisture

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

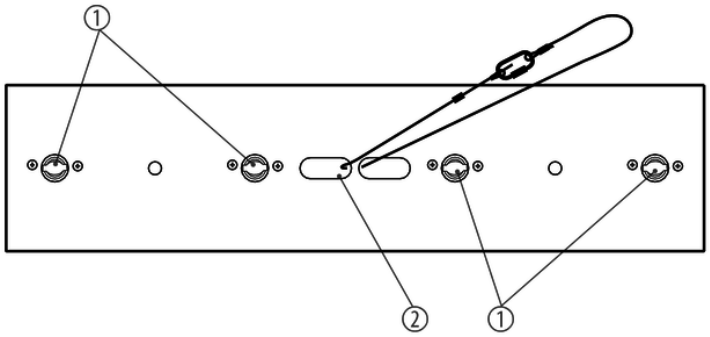
Close unused connectors with end caps intended for this purpose (*www.thomann.de*).

Mounting options

The quick lock openings on the housing bottom are used for secure attachment of the supplied Omega brackets. Here you can attach the flight adapters (such as the supplied C-hooks). The safety rope must pass through the notches on the bottom case as shown in the following figure.

You can install the unit in hanging or standing position. When in use, the device must always be attached to a solid surface or an approved truss.

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.



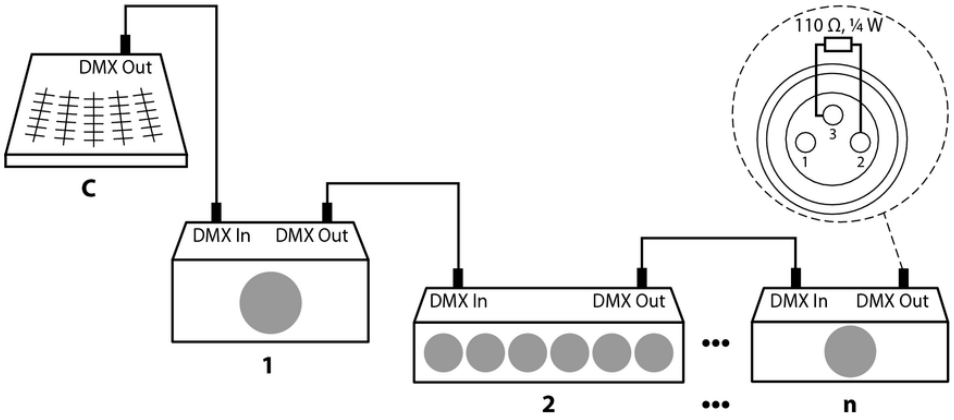
1	Quick lock openings for Omega brackets
2	Openings for safety cable

5 Starting up

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

Connections in DMX mode

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



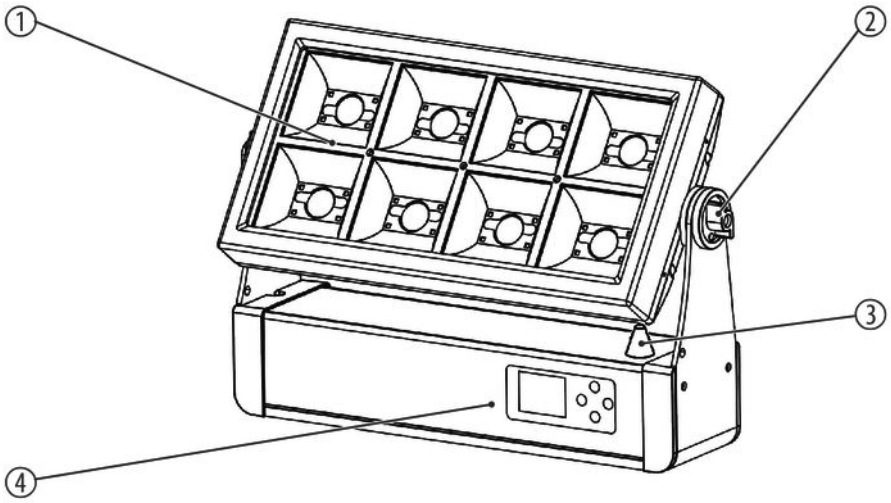
Connections in master/slave mode

When you configure a group of devices in master/slave mode, the first unit will control the other units. 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.

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

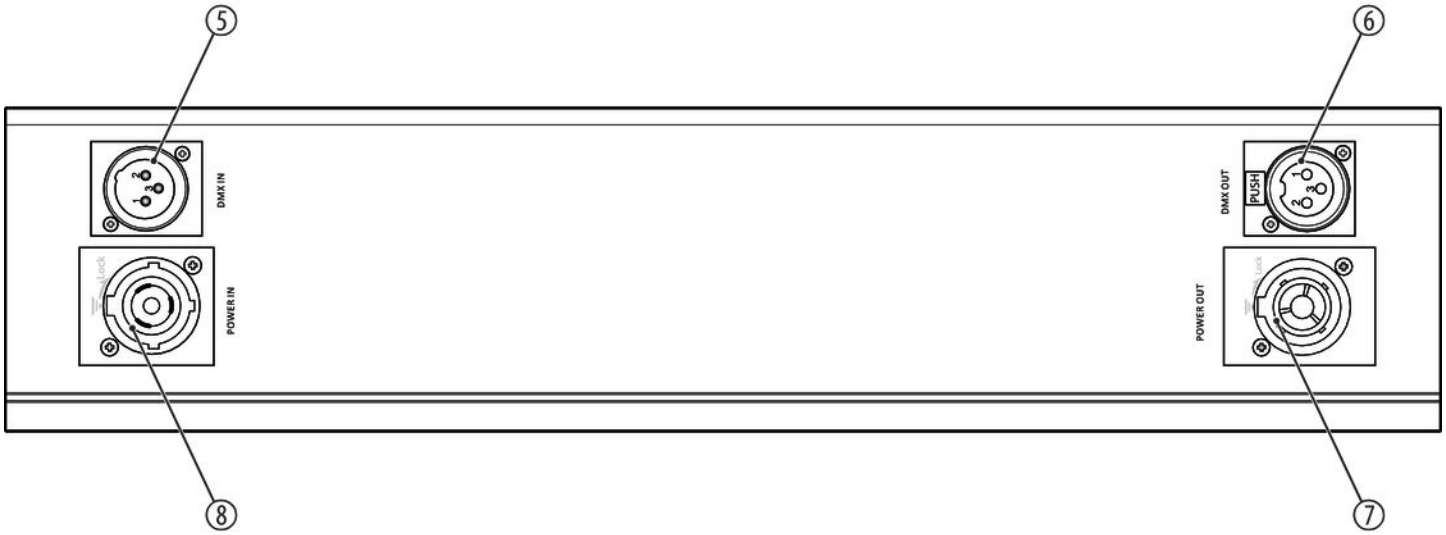
6 Connections and controls

Overview



1	Adjustable LED panel
2	Locking screw for the LED panel
3	Radio antenna
4	Control panel with display membrane button
	[MENU] Activates the main menu and toggles between menu items. Closes an opened submenu.
	[UP] Navigates upwards in a menu list. Increases the displayed value by one.
	[DOWN] Navigates downwards in a menu list. Decreases the displayed value by one.
	[ENTER] Selects an option of the respective operating mode, confirms the set value.

Rear panel



5	*[DMX IN]* DMX input (3-pin XLR chassis plug, IP65 design)
6	*[DMX OUT]* DMX output (3-pin XLR chassis socket, IP65 design)
7	*[POWER OUT]* Connection supply voltage outgoing (Power Twist IP65)
8	*[POWER IN]* Connection supply voltage incoming (Power Twist IP65)

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.

The automatic key lock is activated when powering up the unit. To unlock the keys, press successively [ENTER], [UP], [DOWN], [UP], [DOWN] and then [ENTER] again.

7.2 Main menu

Press *[MODE]* to activate the main menu. Use *[UP]* or *[DOWN]* to select a submenu. When the display shows the desired submenu press *[ENTER]* to open it up. To close the main menu, press *[MODE]*. The stored values are displayed in white in the display. Changed values are displayed in red until they are confirmed with *[ENTER]*.

All previously made settings are retained even when you disconnect the device from the power grid. To restart with default values, use the function *'Factory Reset'*.

The following table shows the setting options.

Main menu	**Menu level 2**	**Menu level 3**	**Menu level 4**	
	Meaning			
'DMX Address'	*'Set DMX address'*	001…512	Setting the DMX address	
'MODE'	*'DMX Signal Select'*	Selection of the DMX transmission type		
		'DMX'	DMX via cable	
		'Wireless DMX'	DMX via radio transmission	
	'DMX Mode'	Selecting a DMX mode		
		'DMX 2Ch'	2-channel DMX mode	
		'DMX 4Ch'	4-channel DMX mode	
		'DMX 12Ch'	12-channel DMX mode	
		'DMX 29Ch'	29-channel DMX mode	
		'DMX 45Ch'	45-channel DMX mode	
	'Slave'	*'Slave'*	Operating mode 'Slave'	
	'Fading'	Fade and stroboscope effects		
		'Auto Fading'	0…255	Automatic Fade effect
		'Strobe'	0…255	Strobe effect
	'Auto'	*'Strobe Program'*	Stroboscope programme	
			0…5	No function
			6…13	Stroboscope programme 1
			14…21	Stroboscope programme 2
			22…29	Stroboscope programme 3
			30…37	Stroboscope programme 4
			38…45	Stroboscope programme 5

Main menu	Menu level 2	Menu level 3	Menu level 4	
	Meaning			
			46…53	Stroboscope programme 6
			54…61	Stroboscope programme 7
			62…69	Stroboscope programme 8
			70…255	Reserved
		'Program Speed'	0…255	Running speed stroboscope programme, increasing
	'Static'	*'Dimmer'*	0…255	Setting the overall brightness
		'Strobe'	0…5	Open strobe
			6…10	Closed strobe
			11…33	Random Pulse effect with increasing speed
			34…56	Ramp-up effect with increasing speed
			57…79	Random Ramp-down effect with increasing speed
			80…102	Random strobe effect with increasing speed
			103…127	Strobe-break effect with decreasing duration of interruptions
			128…250	Strobe effect with increasing speed
			251…255	Open strobe
		'Strobe Program'	0…10	No function
			11…22	Programme 1
			23…34	Programme 2
			35…46	Programme 3
			47…58	Programme 4
			59…70	Programme 5
			71…82	Programme 6
			83…94	Programme 7

Main menu	Menu level 2	Menu level 3	Menu level 4	
	Meaning			
			95…106	Programme 8
			107…118	Programme 9
			119…130	Programme 10
			131…142	Programme 11
			143…154	Programme 12
			155…166	Programme 13
			167…178	Programme 14
			179…190	Programme 15
			191…202	Programme 16
			203…214	Programme 17
			215…226	Programme 18
			227…238	Programme 19
			239…255	Programme 20
		'Program Speed'	0…255	Running speed stroboscope programme, increasing
		'Ground Dimmer'	0…255	Brightness of coloured backlight (0 % to 100 %)
		'Ground Strobe'	0…255	Strobe effect for the coloured backlight, increasing speed
		'Color Macro'	Colour macro for the backlight	
			0…5	Backlight off
			6…13	Red
			14…21	Amber
			22…29	Warm yellow
			30…37	Yellow
			38…45	Green
			46…53	Turquoise
			54…61	Cyan
			62…69	Blue
			70…77	Lavender
			78…85	Mauve

Main menu	Menu level 2	Menu level 3	Menu level 4	
	Meaning			
			86…93	Magenta
			94…101	Pink
			102…109	Warm white
			110…117	White
			118…125	Cold white
			126…127	Colour change halted
			128…191	Colour change effect, increasing speed
			192…255	Colour transition effect, increasing speed
		'Macro Auto'	Automatic show for the backlight	
			0…5	No automatic show
			6…30	Automatic show 1
			31…55	Automatic show 2
			56…80	Automatic show 3
			81…105	Automatic show 4
			106…130	Automatic show 5
			131…155	Automatic show 6
			156…180	Automatic show 7
			181…205	Automatic show 8
			206…230	Automatic show 9
			231…255	Automatic show 10
		'Macro Speed'	0…255	Running speed automatic show, increasing
'Settings'	*'Display Rev'*	Display inversion		
		'ON'	On, display is rotated by 180°	
		'OFF'	Off, normal display	
	'Display'	Automatic display shutdown when not in use		
		'ON'	Enabled	
		'OFF'	Disabled	
	'DMX Fail'	Device behaviour on DMX signal failure		
		'Hold'	Retaining last settings	

Main menu	Menu level 2	Menu level 3	Menu level 4	
	Meaning			
		'Blackout'	Blackout	
	'Fan Set'	Fan speed		
		'Regular'	Max. brightness with normal fan speed	
		'Silent'	Reduced brightness with silent fan	
	'Wireless DMX'	Wireless DMX control		
		'Reset Wireless DMX Memory'	*'No'*	No reset
			'Yes'	Carry out reset
	'Test'	Functional test		
		'OFF'	Stops the functional test	
		'ON'	Functional test of the individual LEDs	
	'Factory Reset'	Reset to factory defaults		
		'OFF'	No reset	
		'ON'	Carry out reset	
	'Key lock'	Key lock The automatic key lock is activated when powering up the unit.		
		'OFF'	Automatic key lock deactivated	
		'ON'	Automatic key lock activated. The display goes dark after 30 seconds, then the buttons are locked. To unlock the keys, press successively *[ENTER]*, *[UP]*, *[DOWN]*, *[UP]*, *[DOWN]* and then *[ENTER]* again.	
'System Info'	*'Firmware'*	*'Software Version xxx'*	Show firmware version of the device	
	'Temperature'	*'LED Temp'*	Show device temperature	
		'Temp Unit'	Unit selection for device temperature	
			'Celsius'	
			'Fahrenheit'	
	'Time Info'	Operating hours display		
		'Power on'	Total operating hours	
		'Last Run Hrs'	Operating hours since last power up	

7.2.1 Operating mode 'DMX'

In DMX mode, the display shows the set DMX mode in its top row and the DMX start address set in the lower part. The display flashes if no DMX signal is received.

7.2.2 Operating mode 'Slave'

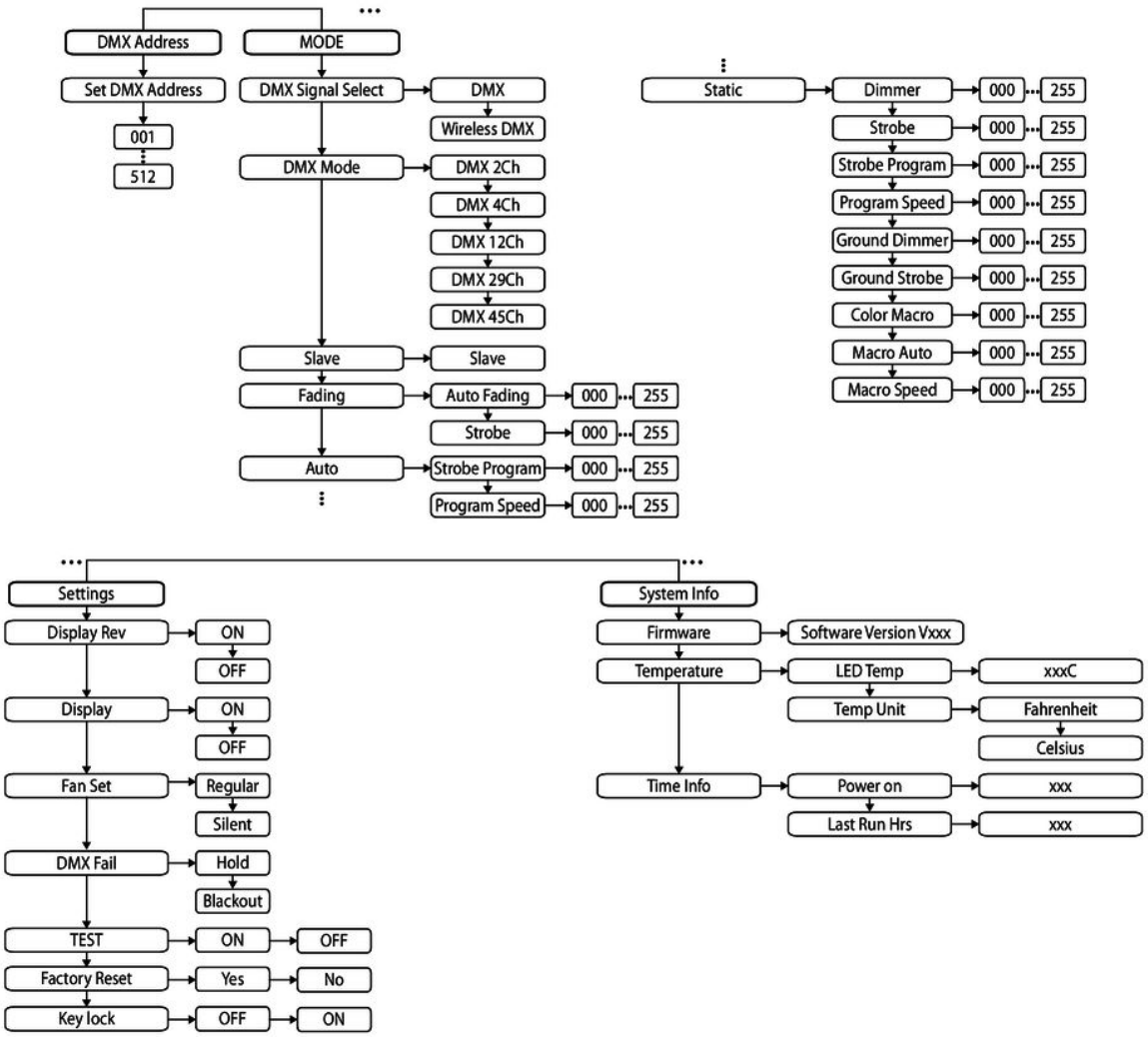
In Slave mode, the display shows in the lower part *'Operating Mode: SLAVE'*. The display flashes if no control signal is received.

7.2.3 Operating mode 'Stand-alone'

In Stand-alone mode, the display in its lower part shows how the device is currently set:

- *'Operating Mode: Fading'*: Automatic Fade effect
- *'Operating Mode: AUTO'*: Automatic stroboscope programmes
- *'Operating Mode: STATIC'*: Freely configurable effects and colour for the backlight
- *'Operating Mode: Sound'*: Sound control

7.3 Menu overview



7.4 Functions in 2-channel DMX mode

Channel	Value	Function
1	Strobe effect	
	0…10	Blackout
	11…250	Strobe effect with increasing speed
2	Colour macro for the backlight	
	0…5	Backlight off

Channel	Value	Function
	6…13	Red
	14…21	Amber
	22…29	Warm yellow
	30…37	Yellow
	38…45	Green
	46…53	Turquoise
	54…61	Cyan
	62…69	Blue
	70…77	Lavender
	78…85	Mauve
	86…93	Magenta
	94…101	Pink
	102…109	Warm white
	110…117	White
	118…125	Cold white
	126…127	No function
	128…191	Colour change effect, increasing speed
	192…255	Colour transition effect, increasing speed

7.5 Functions in 4-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	Stroboscope functions	
	0…5	Open strobe
	6…10	Blackout
	11…250	Strobe effect with increasing speed
	251…255	Open strobe
3	0…255	Flash pulse duration, increasing
4	Colour macro for the backlight	
	0…5	Backlight off
	6…13	Red

Channel	Value	Function
	14…21	Amber
	22…29	Warm yellow
	30…37	Yellow
	38…45	Green
	46…53	Turquoise
	54…61	Cyan
	62…69	Blue
	70…77	Lavender
	78…85	Mauve
	86…93	Magenta
	94…101	Pink
	102…109	Warm white
	110…117	White
	118…125	Cold white
	126…127	No function
	128…191	Colour change effect, increasing speed
	192…255	Colour transition effect, increasing speed

7.6 Functions in 12-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	Stroboscope functions	
	0…5	Open strobe
	6…10	Blackout
	11…33	Random Pulse effect with increasing speed
	34…56	Random Ramp-up effect with increasing speed
	57…79	Random Ramp-down effect with increasing speed
	80…102	Random strobe effect with increasing speed
	103…127	Strobe-break effect with decreasing duration of interruptions
	128…250	Strobe effect with increasing speed
	251…255	Open strobe

Channel	Value	Function
3	Strobe chase programmes	
	0…10	No function
	11…22	Programme 1
	23…34	Programme 2
	35…46	Programme 3
	47…58	Programme 4
	59…70	Programme 5
	71…82	Programme 6
	83…94	Programme 7
	95…106	Programme 8
	107…118	Programme 9
	119…130	Programme 10
	131…142	Programme 11
	143…154	Programme 12
	155…166	Programme 13
	167…178	Programme 14
	179…190	Programme 15
	191…202	Programme 16
	203…214	Programme 17
	215…226	Programme 18
	227…238	Programme 19
	239…255	Programme 20
4	0…255	Running speed of the strobe chase programmes (channel 3), increasing
5	0…255	Dimmer for the backlight (0 % to 100 %)
6	Strobe effect for the backlight	
	0…5	Open strobe
	6…255	Strobe effect with increasing speed
7	0…255	Backlight red (0 % to 100 %)
8	0…255	Backlight green (0 % to 100 %)
9	0…255	Backlight blue (0 % to 100 %)
10	Colour macro for the backlight (higher priority than channel 7-8)	
	0…5	No function

Channel	Value	Function
	6…13	Red
	14…21	Amber
	22…29	Warm yellow
	30…37	Yellow
	38…45	Green
	46…53	Turquoise
	54…61	Cyan
	62…69	Blue
	70…77	Lavender
	78…85	Mauve
	86…93	Magenta
	94…101	Pink
	102…109	Warm white
	110…117	White
	118…125	Cold white
	126…127	No function
	128…191	Colour change effect, increasing speed
	192…255	Colour transition effect, increasing speed
11	Chase programmes for the backlight	
	0…10	No function
	11…22	Programme 1
	23…34	Programme 2
	35…46	Programme 3
	47…58	Programme 4
	59…70	Programme 5
	71…82	Programme 6
	83…94	Programme 7
	95…106	Programme 8
	107…118	Programme 9
	119…130	Programme 10
	131…142	Programme 11
	143…154	Programme 12

Channel	Value	Function
	155…166	Programme 13
	167…178	Programme 14
	179…190	Programme 15
	191…202	Programme 16
	203…214	Programme 17
	215…226	Programme 18
	227…238	Programme 19
	239…255	Programme 20
12	0…255	Running speed of the chase programmes for the backlight (channel 11), increasing

7.7 Functions in 29-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	Stroboscope functions	
	0…5	Open strobe
	6…10	Blackout
	11…250	Strobe effect with increasing speed
	251…255	Open strobe
3	0…255	Flash pulse duration, increasing
4	0…255	Dimmer white LED segment 1 (0 % to 100 %)
5	0…255	Dimmer white LED segment 2 (0 % to 100 %)
6	0…255	Dimmer white LED segment 3 (0 % to 100 %)
7	0…255	Dimmer white LED segment 4 (0 % to 100 %)
8	Strobe chase programmes (higher priority than channel 4-7)	
	0…10	No function
	11…22	Programme 1
	23…34	Programme 2
	35…46	Programme 3
	47…58	Programme 4
	59…70	Programme 5
	71…82	Programme 6

Channel	Value	Function
	83…94	Programme 7
	95…106	Programme 8
	107…118	Programme 9
	119…130	Programme 10
	131…142	Programme 11
	143…154	Programme 12
	155…166	Programme 13
	167…178	Programme 14
	179…190	Programme 15
	191…202	Programme 16
	203…214	Programme 17
	215…226	Programme 18
	227…238	Programme 19
	239…255	Programme 20
9	0…255	Running speed of the strobe chase programmes (channel 8), increasing
10	0…255	Dimmer for the backlight (0 % to 100 %)
11	Strobe effect for the backlight	
	0…5	Open strobe
	6…255	Strobe effect with increasing speed
12	0…255	Backlight red (0 % to 100 %)
13	0…255	Backlight green (0 % to 100 %)
14	0…255	Backlight blue (0 % to 100 %)
15	Colour macro for the backlight (higher priority than channel 12-14)	
	0…5	No function
	6…13	Red
	14…21	Amber
	22…29	Warm yellow
	30…37	Yellow
	38…45	Green
	46…53	Turquoise
	54…61	Cyan
	62…69	Blue

Channel	Value	Function
	70…77	Lavender
	78…85	Mauve
	86…93	Magenta
	94…101	Pink
	102…109	Warm white
	110…117	White
	118…125	Cold white
	126…127	No function
	128…191	Colour change effect, increasing speed
	192…255	Colour transition effect, increasing speed
16	Automatic chase programmes for the backlight	
	0…10	No function
	11…22	Automatic programme 1
	23…34	Automatic programme 2
	35…46	Automatic programme 3
	47…58	Automatic programme 4
	59…70	Automatic programme 5
	71…82	Automatic programme 6
	83…94	Automatic programme 7
	95…106	Automatic programme 8
	107…118	Automatic programme 9
	119…130	Automatic programme 10
	131…142	Automatic programme 11
	143…154	Automatic programme 12
	155…166	Automatic programme 13
	167…178	Automatic programme 14
	179…190	Automatic programme 15
	191…202	Automatic programme 16
	203…214	Automatic programme 17
	215…226	Automatic programme 18
	227…238	Automatic programme 19
	239…255	Automatic programme 20

Channel	Value	Function
17	0…255	Running speed of the chase programmes for the backlight (channel 16), increasing
18	0…255	Intensity red (0 % to 100 %), background LED, segment 1
19	0…255	Intensity green (0 % to 100 %), background LED, segment 1
20	0…255	Intensity blue (0 % to 100 %), background LED, segment 1
21	0…255	Intensity red (0 % to 100 %), background LED, segment 2
22	0…255	Intensity green (0 % to 100 %), background LED, segment 2
23	0…255	Intensity blue (0 % to 100 %), background LED, segment 2
24	0…255	Intensity red (0 % to 100 %), background LED, segment 3
25	0…255	Intensity green (0 % to 100 %), background LED, segment 3
26	0…255	Intensity blue (0 % to 100 %), background LED, segment 3
27	0…255	Intensity red (0 % to 100 %), background LED, segment 4
28	0…255	Intensity green (0 % to 100 %), background LED, segment 4
29	0…255	Intensity blue (0 % to 100 %), background LED, segment 4

7.8 Functions in 45-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %)
2	Stroboscope functions	
	0…5	Open strobe
	6…10	Blackout
	11…250	Strobe effect with increasing speed
	251…255	Open strobe
3	0…255	Flash pulse duration, increasing
4	0…255	Dimmer white LED segment 1 (0 % to 100 %)
5	0…255	Dimmer white LED segment 2 (0 % to 100 %)
6	0…255	Dimmer white LED segment 3 (0 % to 100 %)
7	0…255	Dimmer white LED segment 4 (0 % to 100 %)
8	0…255	Dimmer white LED segment 5 (0 % to 100 %)
9	0…255	Dimmer white LED segment 6 (0 % to 100 %)
10	0…255	Dimmer white LED segment 7 (0 % to 100 %)
11	0…255	Dimmer white LED segment 8 (0 % to 100 %)

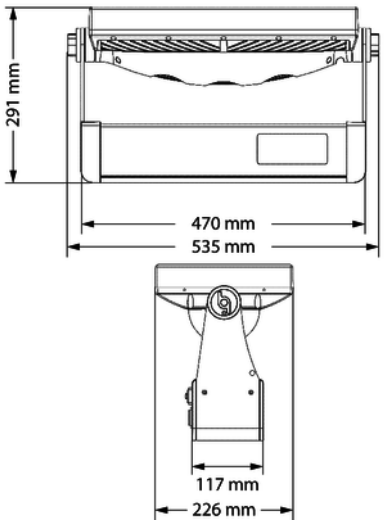
Channel	Value	Function
12	Strobe chase programmes (higher priority than channel 4-11)	
	0…10	No show
	11…22	Programme 1
	23…34	Programme 2
	35…46	Programme 3
	47…58	Programme 4
	59…70	Programme 5
	71…82	Programme 6
	83…94	Programme 7
	95…106	Programme 8
	107…118	Programme 9
	119…130	Programme 10
	131…142	Programme 11
	143…154	Programme 12
	155…166	Programme 13
	167…178	Programme 14
	179…190	Programme 15
	191…202	Programme 16
	203…214	Programme 17
	215…226	Programme 18
	227…238	Programme 19
	239…255	Programme 20
13	0…255	Running speed of the strobe chase programmes (channel 12), increasing
14	0…255	Dimmer for the backlight (0 % to 100 %)
15	Strobe effect for the backlight	
	0…5	Open strobe
	6…255	Strobe effect with increasing speed
16	0…255	Backlight red (0 % to 100 %)
17	0…255	Backlight green (0 % to 100 %)
18	0…255	Backlight blue (0 % to 100 %)
19	Colour macro for the backlight (higher priority than channel 16-18 and 22-45)	
	0…5	Backlight off

Channel	Value	Function
	6…13	Red
	14…21	Amber
	22…29	Warm yellow
	30…37	Yellow
	38…45	Green
	46…53	Turquoise
	54…61	Cyan
	62…69	Blue
	70…77	Lavender
	78…85	Mauve
	86…93	Magenta
	94…101	Pink
	102…109	Warm white
	110…117	White
	118…125	Cold white
	126…127	No function
	128…191	Colour change effect, increasing speed
	192…255	Colour transition effect, increasing speed
20	Chase programmes for the backlight	
	0…10	No function
	11…22	Programme 1
	23…34	Programme 2
	35…46	Programme 3
	47…58	Programme 4
	59…70	Programme 5
	71…82	Programme 6
	83…94	Programme 7
	95…106	Programme 8
	107…118	Programme 9
	119…130	Programme 10
	131…142	Programme 11
	143…154	Programme 12

Channel	Value	Function
	155…166	Programme 13
	167…178	Programme 14
	179…190	Programme 15
	191…202	Programme 16
	203…214	Programme 17
	215…226	Programme 18
	227…238	Programme 19
	239…255	Programme 20
21	0…255	Running speed of the chase programmes for the backlight (channel 20), increasing
22	0…255	Intensity red (0 % to 100 %), background LED, segment 1
23	0…255	Intensity green (0 % to 100 %), background LED, segment 1
24	0…255	Intensity blue (0 % to 100 %), background LED, segment 1
25	0…255	Intensity red (0 % to 100 %), background LED, segment 2
26	0…255	Intensity green (0 % to 100 %), background LED, segment 2
27	0…255	Intensity blue (0 % to 100 %), background LED, segment 2
28	0…255	Intensity red (0 % to 100 %), background LED, segment 3
29	0…255	Intensity green (0 % to 100 %), background LED, segment 3
30	0…255	Intensity blue (0 % to 100 %), background LED, segment 3
31	0…255	Intensity red (0 % to 100 %), background LED, segment 4
32	0…255	Intensity green (0 % to 100 %), background LED, segment 4
33	0…255	Intensity blue (0 % to 100 %), background LED, segment 4
34	0…255	Intensity red (0 % to 100 %), background LED, segment 5
35	0…255	Intensity green (0 % to 100 %), background LED, segment 5
36	0…255	Intensity blue (0 % to 100 %), background LED, segment 5
37	0…255	Intensity red (0 % to 100 %), background LED, segment 6
38	0…255	Intensity green (0 % to 100 %), background LED, segment 6
39	0…255	Intensity blue (0 % to 100 %), background LED, segment 6
40	0…255	Intensity red (0 % to 100 %), background LED, segment 7
41	0…255	Intensity green (0 % to 100 %), background LED, segment 7
42	0…255	Intensity blue (0 % to 100 %), background LED, segment 7
43	0…255	Intensity red (0 % to 100 %), background LED, segment 8

Channel	Value	Function
44	0…255	Intensity green (0 % to 100 %), background LED, segment 8
45	0…255	Intensity blue (0 % to 100 %), background LED, segment 8

8 Technical specifications



Light source		4 × separately controllable white light LED segments (each 200 W) 32 × RGB LEDs for backlight
Optical properties	Beam angle	90°
Control		DMX
		Buttons and display on the unit
Number of DMX channels		2, 4, 9 or 26
Input connections	Power supply	Lockable input socket (Power Twist IP65)
	DMX control	XLR chassis socket, 3-pin, (IP65 design)
Output connections	Power supply	Lockable output socket (Power Twist IP65)
	DMX control	XLR chassis socket, 3-pin, (IP65 design)
Power consumption		800 W
Supply voltage		100–240 V ~ 50/60 Hz
Degree of protection		IP65
Mounting options		Hanging, standing
Dimensions (W × H × D)		535 mm × 226 mm × 291 mm
Weight		13.6 kg
Ambient conditions	Temperature range	–20 °C … +40 °C
	Relative humidity	50 %, non-condensing

Further information

Construction	8-way
Light source included	Yes
Colour temperature (K)	7800
Power of the individual LEDs	100 W
DMX controllable	Yes

9 Plug and connection assignments

Introduction

This chapter will help you select the right cables and plugs to connect your valuable equipment so that a perfect light experience is guaranteed.

Please take our tips, because especially in 'Sound & Light' caution is indicated: Even if a plug fits into a socket, the result of an incorrect connection may be a destroyed DMX controller, a short circuit or 'just' a not working light show!

DMX connections

The unit offers a 3-pin XLR socket for DMX output and a 3-pin XLR plug for DMX input. Please refer to the drawing and table below for the pin assignment of a suitable XLR plug.

Pin	Configuration
1	Ground, shielding
2	Signal inverted (DMX–, 'cold signal')
3	Signal (DMX+, 'hot signal')

10 Troubleshooting

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
The unit does not work, no light	Check the mains connection and the main fuse.
No response to the DMX controller	1. Check the DMX connectors and cables for proper connection.
	2. Try using another DMX controller.
	3. 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.

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 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.