



fungeneration

ClubFX-1 Beam Flower
40W Quad

LED flower effect

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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'*.

Text input





Text inputs that are carried out on the device are indicated by typewriter font.

Example: 2323

1.3 Symbols and signal words

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

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

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

2 Safety instructions

Intended use

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

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

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

Safety



DANGER!

Danger for children

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

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

Never let children unattended use electrical devices.



DANGER!

Electric shock caused by high voltages inside

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

There are no user-serviceable parts inside.

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



DANGER!

Electric shock caused by short-circuit

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



WARNING!

Eye damage caused by high light intensity

Never look directly into the light source.



WARNING!

Risk of epileptic shock

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



NOTICE!

Risk of fire

Do not block areas of ventilation. Do not install the device near any direct heat source. Keep the device away from naked flames.



NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

Only operate the device within the ambient conditions specified in the chapter 'Technical specifications' of this user manual. Avoid heavy temperature fluctuations and do not switch the device on immediately after it was exposed to temperature fluctuations (for example after transport at low outside temperatures).

Dust and dirt inside can damage the unit. When operated in harmful ambient conditions (dust, smoke, nicotine, fog, etc.), the unit should be maintained by qualified service personnel at regular intervals to prevent overheating and other malfunction.



NOTICE!

Power supply

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

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



NOTICE!

Possible damage due to installation of a wrong fuse

The use of different types of fuses can cause serious damage to the unit. Fire hazard!

Only fuses of the same type may be used.

3 Features

The LED flower effect is particularly suitable for professional lighting tasks, for example at events, on rock stages, in theatres and musicals, in discotheques as well as for mobile DJ's and entertainer.

Special features of the device:

- 4 × 10 W Cree white light LEDs
- 4-lens optics and endless rotation
- Beam angle 4°
- Control via DMX (4, 6 or 10 channels) and via buttons and display on the unit
- Sound-to-Light with 8 built-in preprogrammed shows
- Automatic mode with 8 built-in preprogrammed shows
- Electronic dimmer 0...100%
- Shutter frequency 0...25 Hz
- Mounting bracket and infrared remote control included

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

4 Installation

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.

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

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



WARNING!

Risk of injury caused by falling objects

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



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.

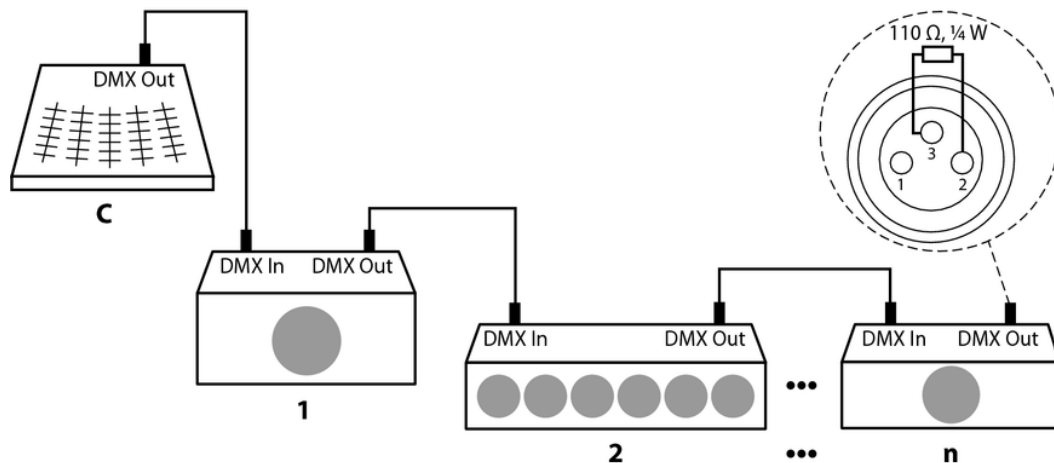
Never connect the DMX input or output to audio devices such as mixers or amplifiers.

5 Starting up

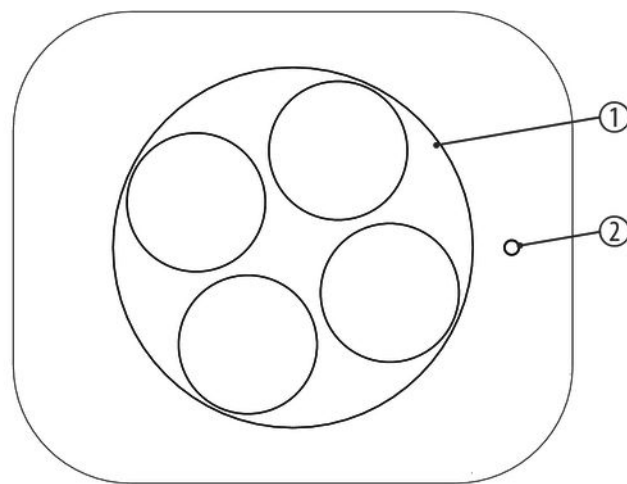
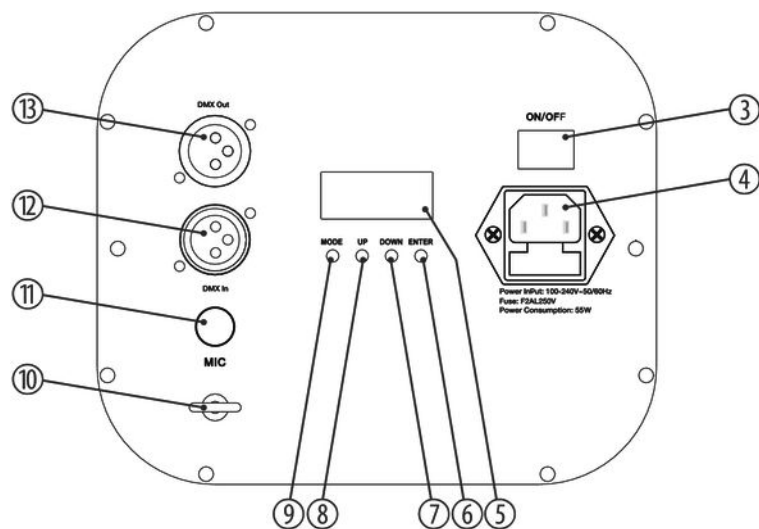
Create all connections while the device is off. Use the shortest possible high-quality cables for all connections. Take care when running the cables to prevent tripping hazards.

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 , 1/4 W).



6 Connections and operating elements



1	Light aperture
2	Infrared sensor for receiving remote control signals
3	On / off switch
4	IEC chassis plug for the mains cable with fuse holder
5	Display
6	<i>[ENTER]</i> Calls up the menu for the respective operation mode, confirms a set value.
7	<i>[DOWN]</i> Decreases the displayed value by one and selects menu items.
8	<i>[UP]</i> Increases the displayed value by one and selects menu items.
9	<i>[MODE]</i> Calls up the settings menu, skips one menu level back and closes an opened submenu without saving any changes.
10	Opening for safety cable

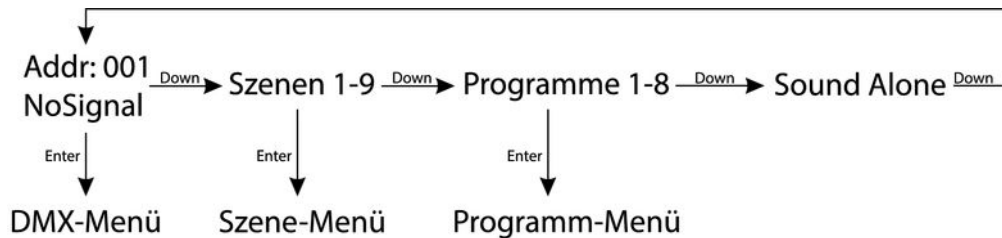
11	Microphone for sound control
12	<i>[DMX In]</i> DMX input
13	<i>[DMX Out]</i> DMX output

7 Operating

7.1 Starting the device

Connect the device to the power supply to start operation. The fan starts after some seconds and '*Addr:XXX NoSignal*' is flashing in the display. The device is now operational.

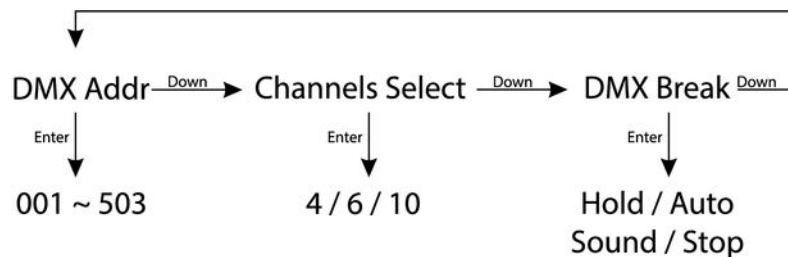
7.2 Function selection



Press repeatedly *[DOWN]* while 'A001' is flashing in the display to call up one of 9 preprogrammed scenes, one of 8 programmes or to set the device to sound-controlled mode.

7.2.1 DMX menu

Press [ENTER] while 'Addr:XXX NoSignal' is flashing in the display to select the DMX menu. Press [ENTER] to call up the first menu item.



DMX address

The display shows 'DMX Addr'. Press *[ENTER]* to then select with *[UP]* and *[DOWN]* the first DMX channel to be used by the device (DMX address) in a range from 001 to max. 509.

When the display shows the desired value press *[ENTER]* to save the setting and then *[DOWN]* to change to the next menu item. To change the menu item without making any changes, press *[MODE]*.

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
4 channels	509
6 channels	507
10 channels	503

Selecting the number of DMX channels

The display shows '*Channels Select*'. Press *[ENTER]* to then select with *[UP]* and *[DOWN]* the number of DMX channels to be used by the device. Control via 4, 6 or 10 channels is available.

When the display shows the desired value press *[ENTER]* to save the setting and then *[DOWN]* to change to the next menu item. To change the menu item without making any changes, press *[MODE]*.

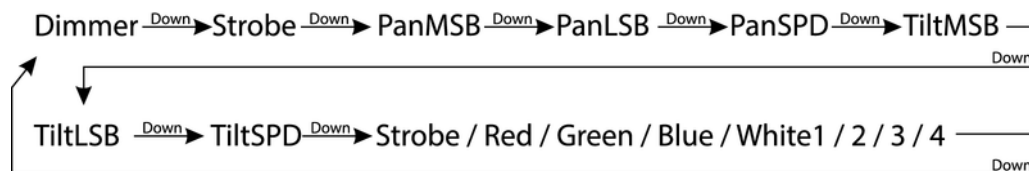
DMX break

The display shows '*DMX Break*'. Press *[ENTER]* to then select with *[UP]* and *[DOWN]* one of the options for the behaviour of the device in case the DMX connection is interrupted. Choose 'Hold' if you want the device in that case to maintain the state that corresponds to the last received DMX signal. Choose 'Hold' if you want the device in that case to perform an automatic run. Choose 'Sound' if you want the device in that case to perform a sound-controlled automatic run. Choose 'Sound' if you want the device in that case to return to its home position.

When the display shows the desired value press *[ENTER]* to save the setting and then *[MODE]* twice to return to the function selection. To change the menu item without making any changes, press *[MODE]*.

7.2.2 Scene menu

Press **[DOWN]** while 'Addr:XXX NoSignal' is flashing in the display to select the scene 'Red Alone'. Press **[ENTER]** twice to open the Scene menu and to change scene parameters as desired.



With **[UP]** and **[DOWN]** you can select the menu items explained in the following table; press **ENTER** to call up the respectively connected function. Use **[UP]** and **[DOWN]** to change the respectively indicated value. When the display shows the desired value press **[ENTER]** to save the settings. With **[MODE]** you get to the parent menu level.

Display	Description	Value range
Dimmer	Overall intensity of all 4 LEDs	0 (low) – 255 (high)
Strobe	Strobe frequency of all 4 LEDs	10 (slow) – 255 (fast)

Display	Description	Value range
Color	various colour and flower themes	0 – 255
Lens	various lens and movement themes	0 and 255
Strobe1	Strobe frequency LED 1	10 (slow) – 255 (fast)
White1	Intensity LED 1	0 (off) – 255 (max.)
Strobe2	Strobe frequency LED 2	10 (slow) – 255 (fast)
White2	Intensity LED 2	0 (off) – 255 (max.)
Strobe3	Strobe frequency LED 3	10 (slow) – 255 (fast)
White3	Intensity LED 3	0 (off) – 255 (max.)
Strobe4	Strobe frequency LED 4	10 (slow) – 255 (fast)
White4	Intensity LED 4	0 (off) – 255 (max.)

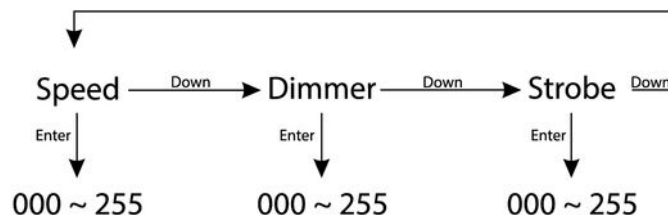


Any 'Strobe' setting except '0' overrides 'Strobe' settings for individual LEDs.

If you have left the menu and 'Red Alone' is displayed again, press [DOWN] to consecutively select the scenes 'Green Alone', 'Blue Alone', 'White Alone', 'Color+ Alone', 'Color– Alone', 'Lens + Alone', 'Lens– Alone' and 'Sence 9' which you can change as described.

7.2.3 Programme menu

Press repeatedly [DOWN] while 'Addr:XXX NoSignal' is flashing in the display to select one of the 8 preprogrammed shows 'Prog 1' to 'Prog 8'. Press [ENTER] twice to open the Programme menu and to change show parameters as desired.



Speed

The display shows '*Speed*'. Press *[ENTER]* to then select with *[UP]* and *[DOWN]* a value between 000 and 255 for the process speed of the show.

When the display shows the desired value press *[ENTER]* to save the settings. To change the menu item without making any changes, press *[MODE]*.

Dimmer

Press *[DOWN]*. The display shows '*Dimmer*'. Press *[ENTER]* to then select with *[UP]* and *[DOWN]* a value between 000 and 255 for the light intensity of the show.

When the display shows the desired value press *[ENTER]* to save the settings. To change the menu item without making any changes, press *[MODE]*.

Strobe

Press *[DOWN]*. The display shows '*Strobe*'. Press *[ENTER]* to then select with *[UP]* and *[DOWN]* a value between 010 and 255 for the strobe frequency of the show. Values between 000 and 009 have no function here.

When the display shows the desired value press *[ENTER]* to save the settings. To change the menu item without making any changes, press *[MODE]*. Press *[MODE]* twice to return to the function selection.

7.3 Settings menu

In this menu you can configure the device according your liking. All previous settings are retained even when you switch the device off and disconnect it from the mains. Press *[MODE]* and confirm with *[ENTER]* to open the settings menu '*Set Menu*'.

Resetting to factory defaults

Press *[ENTER]* to call up the first menu item '*Reload Default*'. With this function, you can reset the device to its factory default setting. All your previously adjusted settings are thereby irretrievably erased.

If you want to enable this function use *[UP]* and *[DOWN]* to select '*ON*' and confirm with *[ENTER]*. If you want to disable this function use *[UP]* and *[DOWN]* to select '*OFF*' and confirm with *[ENTER]*.

Reset Machine

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item '*Reset Machine*'. Use this function to reset positions and colours to their respective programmed parameters.

If you want to execute this function use *[UP]* and *[DOWN]* to select '*ON*' and confirm with *[ENTER]*. If you do not want to execute this function select '*OFF*' and confirm with *[ENTER]*.

Master and Stand-alone operation

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item '*Master & Alone*'. Use this function to specify whether the device operates as 'Master' and controls other units, or works in 'Stand-alone' mode.

Use *[UP]* and *[DOWN]* to select the desired function and confirm with *[ENTER]*.

Auto and Sound

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item 'Auto & Sound'. Use this function to specify whether the device operates in Auto mode or sound-controlled.

Use *[UP]* and *[DOWN]* to select the desired function and confirm with *[ENTER]*.

Microphone sensitivity

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item 'MICSense'. Use this function to specify the sensitivity of the built-in microphone for sound-control.

Use *[UP]* and *[DOWN]* to select the desired sensitivity and confirm with *[ENTER]*.

Clear Display

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item 'Clear Display'. Use this function to specify whether you want the display to be always bright or if it should dim out after approx. 23 seconds. When the display is dimmed, press any button to restore full illumination.

Use *[UP]* and *[DOWN]* to select 'Always On' if the display should always light up bright. Choose 'Delay Off' if the display should dim out after approx. 25 seconds. Confirm with *[ENTER]*.

Key Lock

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item 'Key Lock'. Use this function to specify whether the buttons on the device are automatically locked against unintentional operation 30 seconds after the last operation.

Use *[UP]* and *[DOWN]* to select 'Lock: On' if the buttons should get locked. Select 'Lock: Off' if the buttons should not get locked. Confirm with *[ENTER]*.



To unlock the buttons during operation for 30 seconds, press [MODE], [DOWN], [UP] and [ENTER].

Information

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item 'Information'.

Use *[UP]* and *[DOWN]* to display information about manufacturer, model no., and date and time of production. Press *[ENTER]* to return to the parent menu level.

Operating hours counter

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item *'Machine Timer'*.

The display shows *'ThisTime'*. Press *[ENTER]* to display the time since the last power-up. An 'M' behind the numerical value stands for minutes, an 'H' stands for hours. Press *[ENTER]* to clear the display.

Press *[DOWN]*. The display shows *'TotlTime'*. Press *[ENTER]* to display the entire elapsed operating hours. Press *[ENTER]* to clear the display.

Press *[DOWN]*. The display shows *'ClearTotal'*. Press *[ENTER]* and use *[UP]* and *[DOWN]* to enter the password to delete the entire elapsed operating time. Upon delivery, the password is 001. The display shows *'ClearTotal:No'*. Press *[UP]* or *[DOWN]* to set the display to *'ClearTotal:OK'*. Press *[ENTER]* to delete the entire elapsed operating hours.

Press, if necessary repeatedly, *[MODE]* until the display shows *'Machine Timer'* again.

Recording scenes

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item *'Record Scene'*. Here you can assign the scene currently performed by the device to one of 9 memory locations for the scenes *'Red'*, *'Green'*, *'Blue'*, *'White'*, *'Color+'*, *'Color-'*, *'Lens+'*, *'Lens-'* and *'Scene 9'*.

Press *[ENTER]* and use *[UP]* and *[DOWN]* to select the desired memory location. Press *[ENTER]* and use *[UP]* and *[DOWN]* to select *'Yes'*. Confirm with *[ENTER]* to save the scene. This will overwrite the previously saved parameters for this scene.

Press, if necessary repeatedly, *[MODE]* until the display shows *'Record Scene'* again.

Advanced menu

Press, if necessary repeatedly, *[DOWN]* and confirm with *[ENTER]* to call up the menu item 'Advance Menu'. Here you can change the password that protects the access to some menu options to prevent unauthorized access. The display shows 'Warning'.

Press *[UP]* or *[DOWN]* and confirm with *[ENTER]* to call up the menu item 'PassWordManage'. Keep *[DOWN]* pressed until a PUK Code 638 is displayed. Press 'ENTER'. The display shows 'Modify P.W.'. Confirm with *[ENTER]*. The display shows the current password. Use *[UP]* and *[DOWN]* to select a new password and press 'ENTER' to save it.

Press repeatedly *[MODE]* to return to the respectively parent menu level or to leave the menu.



If you have entered an incorrect PUK code 'PassWord Err!!!' is flashing three times in the display. Then enter the correct PUK code.

7.4 Functions in 4-channel DMX mode

Channel	Value	Function	
1	0...255	000...009	Colour rotation white
		010...019	Colour rotation red
		020...029	Colour rotation green
		030...039	Colour rotation blue
		040...191	Colour rotation proportion
		192...223	Colour rotation speed (fast to slow)
		224	Stop colour rotation
		225...255	Colour rotation speed (slow to fast)
2	0...255	000...191	Lens position
		192...223	Lens rotation speed (fast to slow)
		224	Stop lens rotation

Channel	Value	Function	
		225...255	Lens rotation speed (slow to fast)
3	0...255	Master dimmer 0 – 100%	
4	0...255	000...009	No function (open)
		010...255	Strobe, slow to fast (1 Hz – 25 Hz)

7.5 Functions in 6-channel DMX mode

Channel	Value	Function	
1	0...255	000...009	Colour rotation white
		010...019	Colour rotation red
		020...029	Colour rotation green
		030...039	Colour rotation blue

Channel	Value	Function	
		040...191	Colour rotation proportion
		192...223	Colour rotation speed (fast to slow)
		224	Stop colour rotation
		225...255	Colour rotation speed (slow to fast)
2	0...255	000...191	Lens position
		192...223	Lens rotation speed (fast to slow)
		224	Stop lens rotation
		225...255	Lens rotation speed (slow to fast)
3	0...255	Master dimmer 0 – 100%	
4	0...255	000...009	No function (open)
		010...255	Strobe, slow to fast (1 Hz – 25 Hz)
5	0...255	000...049	No function
		050...059	Intensity red

Channel	Value	Function
		060...069 Intensity green
		070...079 Intensity blue
		080...089 Intensity white
		090...099 Color+
		100...109 Color-
		110...119 Lens+
		120...129 Lens-
		130...139 Sence 9
		140...149 Programme 1
		150...159 Programme 2
		160...169 Programme 3
		170...179 Programme 4
		180...189 Programme 5

Channel	Value	Function	
		190...199	Programme 6
		200...209	Programme 7
		210...219	Programme 8
		220...229	Programme 9 (empty)
		230...233	Empty
		234...236	Reset
		237...249	Empty
		250...255	Sound-controlled mode
6	0...255	Speed / Sensitivity	

7.6 Functions in 10-channel DMX mode

Channel	Value	Function	
1	0...255	000...009	Colour rotation white
		010...019	Colour rotation red
		020...029	Colour rotation green
		030...039	Colour rotation blue
		040...191	Colour rotation proportion
		192...223	Colour rotation speed (fast to slow)
		224	Stop colour rotation
		225...255	Colour rotation speed (slow to fast)
2	0...255	000...191	Lens position
		192...223	Lens rotation speed (fast to slow)
		224	Stop lens rotation

Channel	Value	Function	
		225...255	Lens rotation speed (slow to fast)
3	0...255	Master dimmer 0 – 100%	
4	0...255	000...009	No function (open)
		010...255	Strobe, slow to fast (1 Hz – 25 Hz)
5	0...255	Dimmer LED 1	
6	0...255	Dimmer LED 2	
7	0...255	Dimmer LED 3	
8	0...255	Dimmer LED 4	
9	0...255	000...049	No function
		050...059	Intensity red
		060...069	Intensity green
		070...079	Intensity blue
		080...089	Intensity white

Channel	Value	Function
		090...099 Color+
		100...109 Color-
		110...119 Lens+
		120...129 Lens-
		130...139 Sence 9
		140...149 Programme 1
		150...159 Programme 2
		160...169 Programme 3
		170...179 Programme 4
		180...189 Programme 5
		190...199 Programme 6
		200...209 Programme 7
		210...219 Programme 8

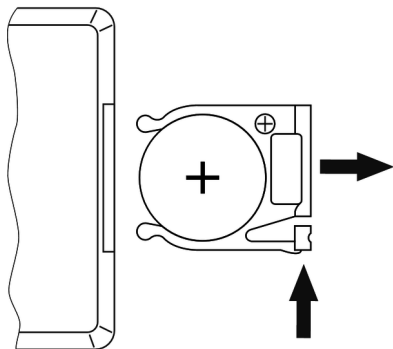
Channel	Value	Function	
		220...229	Programme 9 (empty)
		230...233	Empty
		234...236	Reset
		237...249	Empty
		250...255	Sound-controlled mode
10	0...255	Speed / Sensitivity	

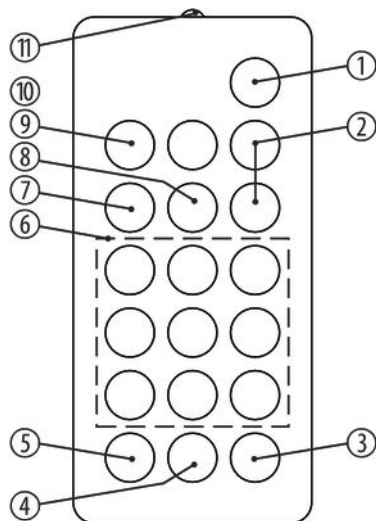
8 Remote control

Inserting the battery into the remote control

Press the lock of the battery holder to the centre of the housing and pull out the battery holder like a drawer. Insert the battery. The battery is correct if the positive pole points to the housing base of the remote control. Slide the battery holder back into the remote until it clicks into place.

When shipping, the battery is already installed in the remote and protected against discharge by a transparent plastic foil. Remove the plastic foil prior to first use.





To use the remote control, point its infrared diode at the infrared sensor on the unit and press the desired buttons. The maximum operating distance is about 9 m. The device will only respond to the remote control signals if it is not controlled via DMX.

1 *[STAND BY]*

Stops the automatic mode and blackouts the unit. The display shows 'Stop'. In this mode, the device responds to the remote control.

2 *[Dimmer + / -]*

Adjusts the light intensity between 0 and 100%. Press repeatedly *[Dimmer +]* or keep the button pressed to increase the light intensity. Press repeatedly *[Dimmer -]* or keep the button pressed to decrease the light intensity.

3 *[SOUND OFF]*

Deactivates the sound-control

4 *[SHOW]*

To call up one of the 9 preprogrammed automatic shows, press this button followed by the number button 1 – 9 for the desired show. To cancel a show, press *[STAND BY]*.

5	<p><i>[SOUND ON]</i></p> <p>Activates the sound-control</p>		
6	<p>Number buttons</p> <p>These buttons allow you to trim the rotation (X) and tilt (Y) of the device head:</p>		
	<p>Button 1: X- & Y+</p> <p>Button 2: Y+</p> <p>Button 3: X+ & Y+</p>	<p>Button 4: X-</p> <p>Button 5: Centre</p> <p>Button 6: X+</p>	<p>Button 7: X- & Y-</p> <p>Button 8: Y-</p> <p>Button 9: X+ & Y-</p>
7	<p><i>[STROBE]</i></p> <p>Enables the Strobe function for the current light scene. Then press one of the number buttons 2 – 9 for the desired strobe frequency. Press number button 1 to turn the strobe function off.</p>		
8	<p><i>[COLOR]</i></p> <p>To call up various light scenes. Then press one of the number buttons 1 – 8 for the desired light scene.</p>		
9	<p><i>[FULL ON]</i></p> <p>Press this button to call up the light scene 'FULL ON' (= white light with full intensity).</p>		

10	<i>[GOBO]</i> No function
11	Infrared diode Sends the infrared signals to the device

9 Technical specifications

Light source	4 × 10 W Cree white light LEDs	
Optical properties	Beam angle	4°
Control	Buttons and display on the unit, DMX, infrared remote control	
Number of DMX channels	4, 6 or 10	
Input connections	Voltage supply	IEC chassis plug C14
	DMX control	XLR chassis plug, 3-pin
Output connections	DMX control	XLR chassis socket, 3-pin
Power consumption	max. 55 W	
Operating supply voltage	100 – 240 V ~ 50/60 Hz	
Fuse	5 mm × 20 mm, 2 A, 250 V, fast-acting	
Protection class	IP20	
Mounting options	hanging, standing	

Dimensions (W × H × D), when light beam points upwards	160 mm × 210 mm × 190 mm	
Weight	3.7 kg	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	50 %, non-condensing

Further information

Similar construction	Laser effect
DMX control	Yes
Master / Slave	No
Remote control	included
Sound control	Yes
Display	Yes

10 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')

11 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, the fan does not run	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. 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.

12 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.

13 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 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.



