



LED Vintage Bowl50 RGBA
LED Vintage Bowl30 RGBA

LED PAR

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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 signs	Type of danger
 A yellow triangular warning sign with a black border. Inside the triangle, there is a black silhouette of a person standing next to a rectangular object (representing a load) that is suspended by a hook and cables.	Warning – suspended load.
 A yellow triangular warning sign with a black border. Inside the triangle, there is a large black exclamation mark.	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!

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

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.

3 Features

The LED-PAR with a decorative effect is particularly suitable for professional lighting tasks, for example at events, on rock stages, in theatres and musicals or for TV productions. It's characterized by low power consumption and long service life. The amber-coloured LEDs ensure that also warm colours can be displayed in a natural way.

Special features of the device:

- LED Vintage Bowl 30 RGBA (item number 472343): 1× 4in1-RGBA LED, 40 W
- LED Vintage Bowl 50 RGBA (item number 472342): 1× 4in1-RGBA LED, 60 W
- Control via DMX (3 different modes) and via buttons and display on the unit
- Automatic colour change and fade programmes
- Static colours selectable
- Sound control
- Master / Slave mode
- Robust metal housing with a decorative effect

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

4 Installation

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the product against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.



WARNING!

Risk of injury caused by falling objects

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



NOTICE!

Risk of overheating

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.

Mounting options

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. Use the openings provided on the double bracket for attaching.

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.

The safety rope must be attached to the safety rope eyelet on the back of the device.



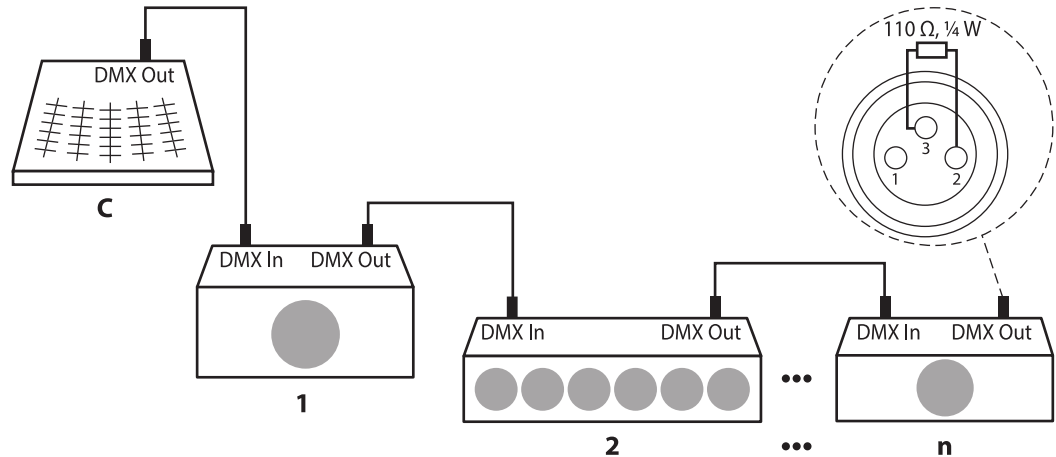
Please note that this device must not be connected to a dimmer.

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 ($110\ \Omega$, $\frac{1}{4}\text{ W}$).

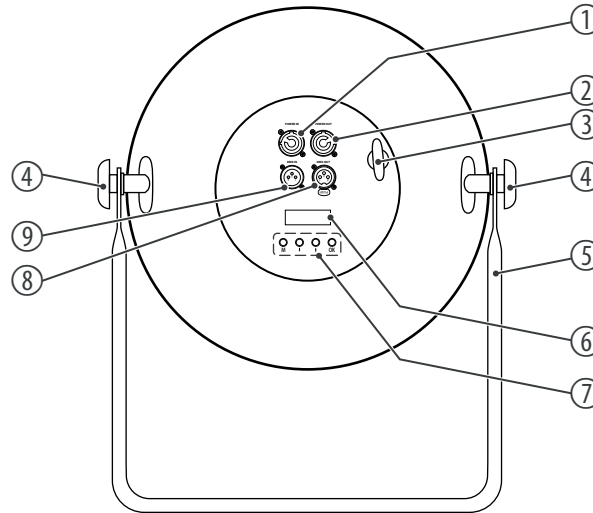


Connections in master/slave mode

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 operating elements

Rear panel



1	<i>[POWER IN]</i> Lockable input socket (Power Twist) for powering the device
2	<i>[POWER OUT]</i> Lockable output socket (Power Twist) for powering a connected device
3	Safety cable eyelet
4	Locking screws for the bracket
5	Double bracket for floor placement or hanging
6	Display
7	Operating buttons on the unit
	<i>[M]</i> Calls up the main menu or a submenu
	↑, ↓ Increases or decreases the displayed value by one

	<i>[OK]</i> Confirms a selected value
8	<i>[DMX OUT]</i> DMX output, designed as XLR panel socket, 3-pin
9	<i>[DMX IN]</i> DMX input, designed as XLR panel plug, 3-pin

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.

7.2 Main menu

Press *[M]* to activate the main menu and select an operating mode. Use the arrow buttons to change the respectively displayed value. When the display shows the desired value press *[OK]*.

If you don't press any button for about 1 minute, the unit returns to the previously selected mode. The set values are retained even when the device is disconnected from the mains power supply.

DMX mode

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows 'SET'. Press *[OK]*. Press one of the arrow buttons repeatedly until the display shows 'MODE'. Press *[OK]*. Now use the arrow buttons to select one of the following DMX modes:

- '4CH' (four channels)
- '6CH' (six channels)
- '8CH' (eight channels)

This setting is only relevant when the device is controlled via DMX. When the display shows the desired value press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. To return to the parent menu without making changes, press *[M]*.

DMX address

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows 'DMX'. Press *[OK]*. Now you can set the number of the first DMX channel to be used by the device (DMX address). Use the arrow buttons to select a value between 1 and 512 (display shows 'A001' ... 'A512').

When the display shows the desired value press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. To return to the parent menu without making changes, press *[M]*.

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-channel	509
6-channel	507
8-channel	505

Operating mode 'Show/Master'

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows 'LINE'. Press *[OK]*. Press one of the arrow buttons repeatedly until the display shows 'MA'. Press *[OK]*. Now you can select one of the 42 preprogrammed automatic shows. Use the arrow buttons to select a value between 1 and 42 (display shows 'P-01' ... 'P-42').

The automatic show can only be activated on the device, that serves as master.

This setting is only relevant if the device is not controlled via DMX. The device can operate in stand-alone mode or control connected devices of the same type, that must be configured as slaves. When the display shows the desired value press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. To return to the parent menu without making changes, press *[M]*.

Operating mode 'Slave'

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows 'LINE'. Press *[OK]*. Press one of the arrow buttons repeatedly until the display shows 'SL'. Press *[OK]*. Now you can set the number for the device via which it is addressed by the master as a slave. Use the arrow buttons to select a value between 1 and 512 (display shows 'A001' ... 'A512').

This setting is only relevant if the device is operating as Slave controlled by a Master, but not via DMX. When the display shows the desired value press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. To return to the parent menu without making changes, press *[M]*.

Programme speed

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows 'SET'. Press *[OK]*. Press one of the arrow buttons repeatedly until the display shows 'SPEE'. Press *[OK]*. Now you can adjust the programme speed for the preprogrammed automatic shows. Use the arrow buttons to select a value between 0 and 255 (display shows 'T000' ... 'T255').

This setting is only relevant if the device is not controlled via DMX. When the display shows the desired value press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. To return to the parent menu without making changes, press *[M]*.

Microphone sensitivity

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows 'SET'. Press *[OK]*. Press one of the arrow buttons repeatedly until the display shows 'MIC'. Press *[OK]*. Now you can adjust the sensitivity of the built-in microphone for sound control. Use the arrow buttons to select either 'OFF' (microphone off) or a value between 1 and 30 (display shows 'M-01' ... 'M-30').

This setting is only relevant if the device is not controlled via DMX. When the display shows the desired value press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. To return to the parent menu without making changes, press *[M]*.

Manual test

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows *'TEST'*. Press *[OK]*. Press one of the arrow buttons repeatedly until the display shows *'RED'*, *'GREE'*, *'BLUE'*, *'AMBE'* or *'STRO'*. Press *[OK]*. Now you can set the brightness of the red, green, blue or amber LEDs each in a range from 0 to 255, or select the strobe rate in a range of 0 to 24.

This mode is also suitable for generating constant or flashing light of a colour mixed from the four LED colours without DMX control.

When the display shows the desired value press *[OK]* to confirm the selection and then *[M]* to return to the parent menu. To return to the parent menu without making changes, press *[M]*.

Fade speed

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows *'FADE'*. Press *[OK]*. Now you can set the fade speed of the preprogrammed automatic shows. Use the arrow buttons to select a value between 1 and 7 (display shows *'F-01'* ... *'F-07'*).

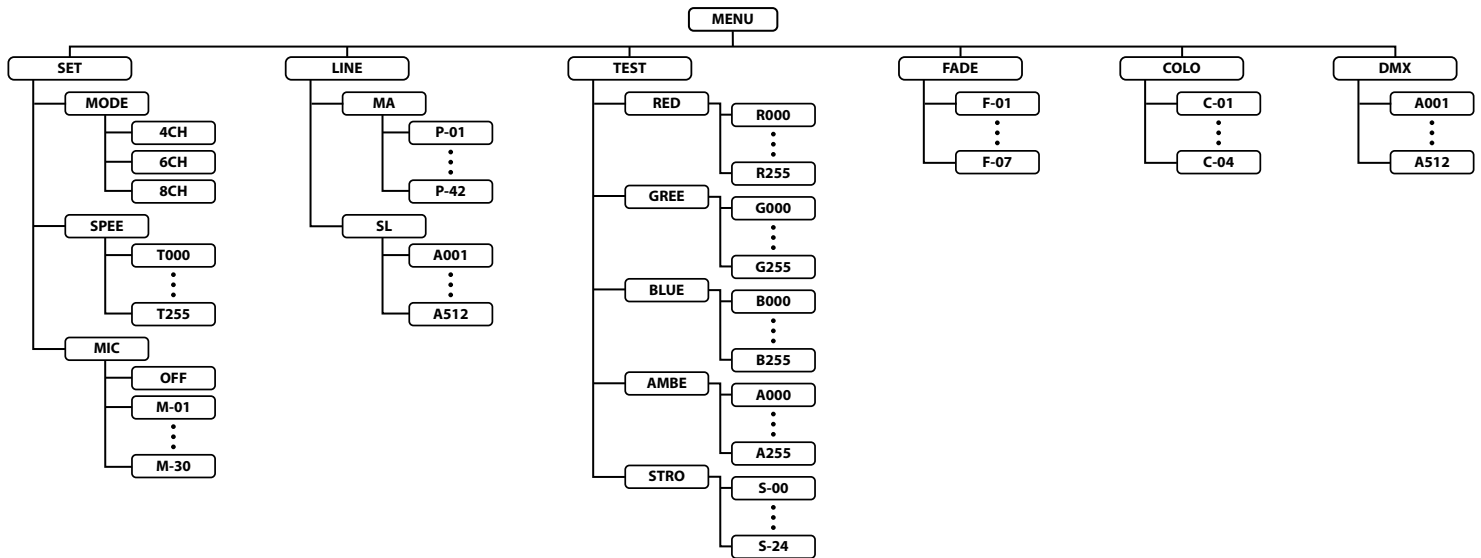
This setting is only relevant if the device is not controlled via DMX. When the display shows the desired value press *[OK]* to confirm the selection and return to the main menu. To return to the main menu without making changes, press *[M]*.

Colour selection

Press *[M]*. Press one of the arrow buttons repeatedly until the display shows 'COLO'. Press *[OK]*. Now you can set a basic colour for the preprogrammed automatic shows. Use the arrow buttons to select a value between 1 and 4 (display shows 'C-01' ... 'C-04').

This setting is only relevant if the device is not controlled via DMX. When the display shows the desired value press *[OK]* to confirm the selection and return to the main menu. To return to the main menu without making changes, press *[M]*.

7.3 Menu overview



7.4 Functions in 4-channel DMX mode

Channel	Value	Function
1	0...255	Intensity red (0 % to 100 %)
2	0...255	Intensity green (0 % to 100 %)
3	0...255	Intensity blue (0 % to 100 %)
4	0...255	Intensity amber (0 % to 100 %)

7.5 Functions in 6-channel DMX mode

Channel	Value	Function
1		Operating mode selection
	0...63	Constant colour, the hue is set by channels 2 to 5

Channel	Value	Function
	64...127	Automatic colour fade with 7 colours, channels 2 to 5 without function, speed control via channel 6
	128...191	Automatic colour change with 12 colours, channels 2 to 5 without function, speed control via channel 6
	192...255	Automatic colour change with 4 colours, channels 2 to 5 without function, speed control via channel 6
2	0...255	Intensity red (0 % to 100 %), if channel 1 = 0...63
3	0...255	Intensity green (0 % to 100 %), if channel 1 = 0...63
4	0...255	Intensity blue (0 % to 100 %), if channel 1 = 0...63
5	0...255	Intensity amber (0 % to 100 %), if channel 1 = 0...63
6	Effects speed	
	0...10	No automatic colour change
	11...100	Automatic colour change as set by channel 1, decreasing speed from fast to slow

Channel	Value	Function
	101...150	No automatic colour change
	151...255	Automatic colour change as set with channel 1, sound-controlled process, increasing sensitivity

7.6 Functions in 8-channel DMX mode

Channel	Value	Function
1	0...255	Intensity Red (0 % to 100 %), if channel 5 = 0...15 and channel 7 = 0...31
2	0...255	Intensity Green (0 % to 100 %), if channel 5 = 0...15 and channel 7 = 0...31
3	0...255	Intensity Blue (0 % to 100 %), if channel 5 = 0...15 and channel 7 = 0...31
4	0...255	Intensity amber (0 % to 100 %), if channel 5 = 0...15 and channel 7 = 0...31
5	Fixed colour pattern	
	0...15	No function

Channel	Value	Function
	16...255	Colour macros 1 to 31, channels 6 and 7 without function
6	Strobe effect	
	0...15	Full brightness, no strobe effect
	16...255	Strobe effect, increasing speed, if channel 5 = 0...15
7	Operating mode selection	
	0...31	Constant colour, the hue is set by channels 1 to 4
	32...63	Fade-out effect, speed controlled by channel 6, channels 1 to 5 without function
	64...95	Fade-in effect, speed controlled by channel 6, channels 1 to 5 without function
	96...127	Fade-in-out effect, speed controlled by channel 6, channels 1 to 5 without function
	128...159	Auto-mix effect, speed controlled by channel 6, channels 1 to 5 without function
	160...191	Chase (4 colours), speed controlled by channel 6, channels 1 to 5 without function
	192...223	Chase (12 colours), speed controlled by channel 6, channels 1 to 5 without function

Channel	Value	Function
	224...255	Sound control
8	0...255	Dimmer (0 % to 100 %)

8 Technical specifications

		LED Vintage Bowl 50 RGBA Item no. 472342	LED Vintage Bowl 30 RGBA Item no. 472343
Light source		1 × 4in1 RGBA LED, 60 W	1 × 4in1 RGBA LED, 40 W
Control		DMX, buttons and display on the unit	
Number of DMX channels		4, 6, 8	
Input connections	Power supply	Lockable input socket (Power Twist)	
	DMX control	XLR chassis plug, 3-pin	
Output connections	Power supply	Lockable output socket (Power Twist)	
	DMX control	XLR chassis socket, 3-pin	
Power consumption		60 W	40 W
Supply voltage		100 - 240 V ~ 50/60 Hz	
Degree of protection		IP20	

		LED Vintage Bowl 50 RGBA Item no. 472342	LED Vintage Bowl 30 RGBA Item no. 472343
Mounting options		Hanging, standing	
Dimensions (W × H × D)		515 mm × 670 mm × 330 mm (incl. bracket)	310 mm × 430 mm × 200 mm (incl. bracket on top)
Weight		8.2 kg	2.9 kg
Ambient conditions	Temperature range	0 °C...40 °C	
	Relative humidity	20 %...80 % (non-condensing)	

Further information

	LED Vintage Bowl 50 RGBA Item no. 472342	LED Vintage Bowl 30 RGBA Item no. 472343
Construction	illuminated reflector	illuminated reflector
Colour mixture	RGBA	RGBA
DMX	Yes	Yes
Stand-alone function	Yes	Yes
Rechargeable battery operation	No	No

9 Plug and connection assignments

Introduction

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

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

DMX connections

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



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

10 Troubleshooting



NOTICE!

Possible data transmission errors

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

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

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

Symptom	Remedy
The unit does not work, no light.	Check the mains connection and the fuse.
No response to the DMX controller.	1. Check the DMX ports 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.

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.

