




STAIRVILLE

LED Blinder
2 COB 2x65 W
blinder

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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
	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-Blinder imitates the dimming and response behaviour and the typical afterglow of a conventional blinder.

Special features of the device:

- 2 × COB LED, each 65 W
- Colour temperature: 2700 K
- Beam angle: 70°
- Control via DMX, buttons and display on the unit or via remote control (item number 168964, not included).
- Strobe effect
- Sound control

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 two-piece 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 cable must be attached to the bracket.



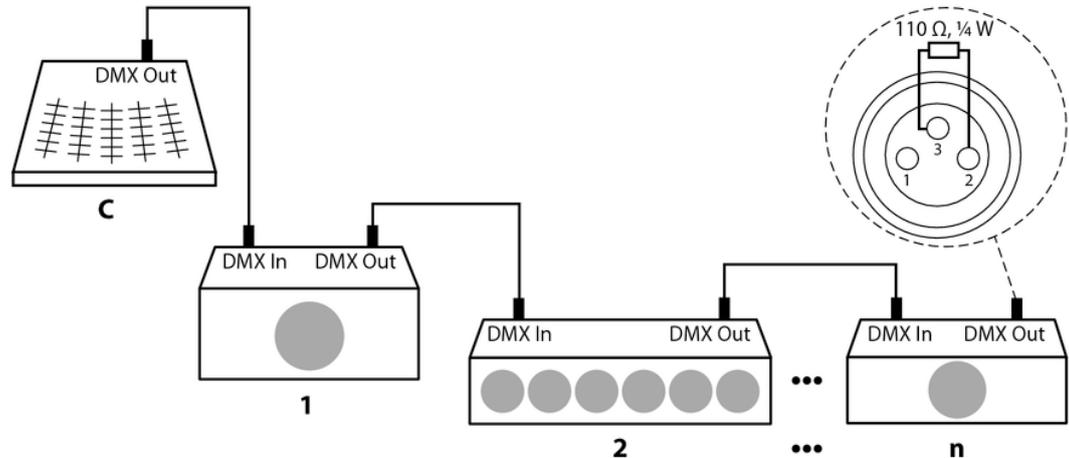
Please note that this device must not be connected to a dimmer.

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.

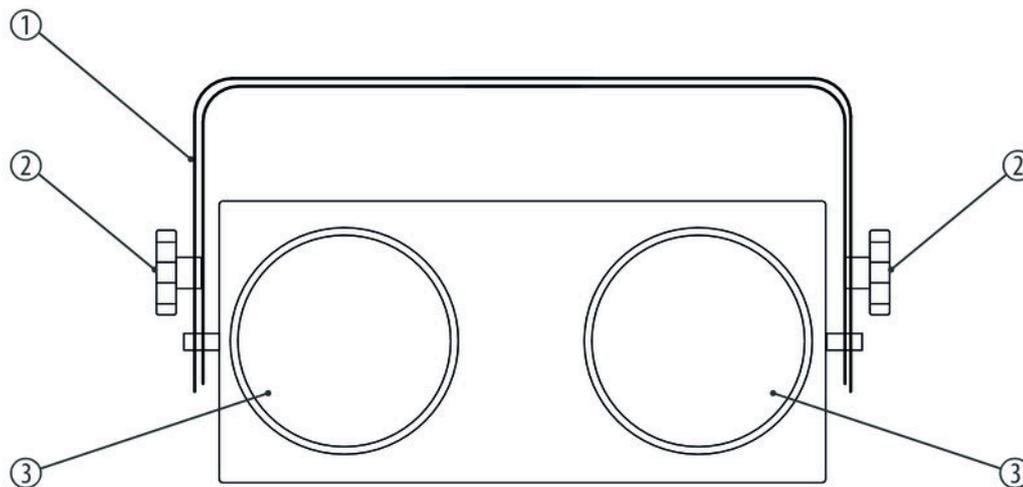
Connections in DMX mode

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



6 Connections and controls

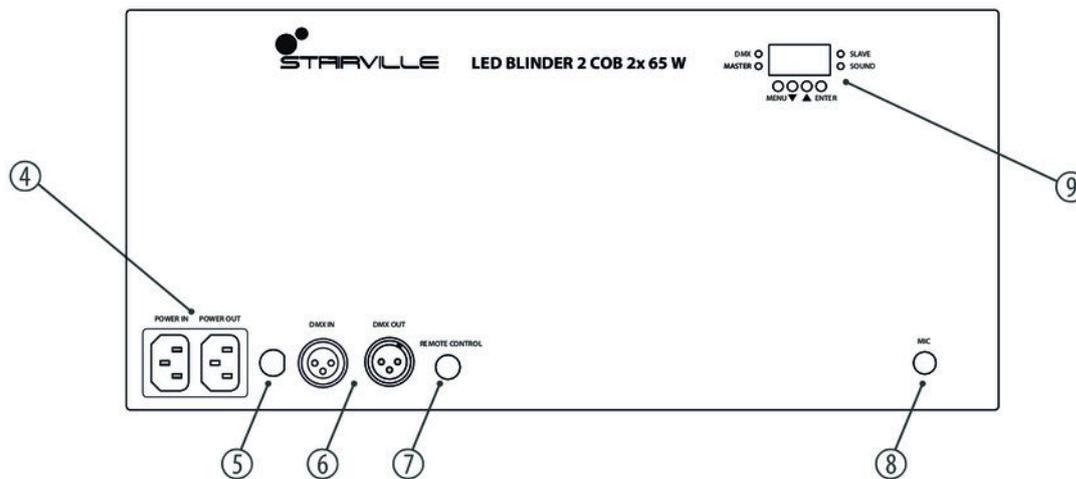
Front panel



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1	Mounting bracket
2	Locking screws for the mounting bracket.
3	LED

Rear panel



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4	<i>[POWER IN]</i> IEC chassis plug for mains connection.
	<i>[POWER OUT]</i> IEC chassis socket for the power supply cable to the next unit.
5	Fuse holder
6	<i>[DMX IN]</i> DMX input.
	<i>[DMX OUT]</i> DMX output
7	Connection socket for the optionally available remote control.
8	Microphone
9	Display with function buttons and indicator LEDs.
	<i>[MENU]</i> Selects an option of the respective operating mode, confirms the set value.



Increases the displayed value by one.



Decreases the displayed value by one.

[ENTER]

Activates the main menu and toggles between menu items. Closes an opened submenu.

[DMX]

Lights up once a DMX signal is present.

[MASTER]

Lights up when the device is in master mode.

[SLAVE]

Lights up when the device is in slave mode.

[SOUND]

Lights up when the device is in sound mode.

7 Operating

7.1 Starting the device

Connect the device to the power supply to start operation.

7.2 Operating on the unit

Press repeatedly *[MENU]* to call up the desired menu. Confirm the selection with *[ENTER]*. With the arrow buttons ▲ and ▼ you can change the respectively displayed value.

Confirm each change with *[ENTER]*. With *[MENU]* you exit the opened menu without changes.

If you don't press any button for about eight seconds, the open menu will be closed without applying any changes.

DMX address

Press *[MENU]* repeatedly until the display shows 'Addr'. Now you can set the number of the first DMX channel to be used by the device (DMX address). Use ▲ or ▼ to select a value between 1 and 512 (the display shows '001' ... '512').

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

Mode	Display	Highest possible DMX address
1-channel	'1 Ch'	512
2-channel	'2a Ch'	511
2-channel	'2b Ch'	511
3-channel	'3 Ch'	510

Confirm the selection with *[ENTER]*.

DMX mode

Press *[MENU]* repeatedly until the display shows 'ChNd'. Use ▲ or ▼ to specify the desired DMX mode. 1-channel, 2-channel (a or b) or 3-channel.

Confirm the selection with *[ENTER]*.

Operating mode 'Master / Slave'

In this menu, you can specify whether the device is operating in master or slave mode.

Press *[MENU]* repeatedly until the display shows 'SLNd'. Use ▲ or ▼ to select the option 'NASt' to use the device as master.

or

Use ▲ or ▼ to select one of the options 'SL00' ... 'SL03' to use the device as slave 1, slave 2 or slave 3. Four devices can be grouped into a master-slave combination.

Confirm the selection with *[ENTER]*.

Afterglow effect

In this menu, you can turn the Afterglow effect on or off. When switched on, the device simulates the afterglow of conventional tungsten lamps.

Press *[MENU]* repeatedly until the display shows 'Und'. Use ▲ or ▼ to select the option 'on' to turn the effect on.

Confirm the selection with *[ENTER]*.

Microphone sensitivity

In this menu, you can adjust the sensitivity of the built-in microphone.

Press *[MENU]* repeatedly until the display shows 'SeNs'. Use ▲ or ▼ to specify the built-in microphone in a range from '000' ... '100'.

Display illumination

In this menu, you can set whether the display is automatically switched off or remains permanently on during operation.

Press *[MENU]* repeatedly until the display shows 'LeD'. Use ▲ or ▼ to select the option 'on' if you want the display to remain on permanently.

or

Use ▲ or ▼ to select the option 'off' if you want the display to be automatically switched off after 30 seconds without keypress.

Confirm the selection with *[ENTER]*.

Display inversion

In this menu, you can specify whether the display should be shown normally or inverted.

Press *[MENU]* repeatedly until the display shows 'dISP'. Use ▲ or ▼ to select the option 'dISP' if you want the display to be shown normally.

or

Use ▲ or ▼ to select the option 'dSIP' if you want the display to be shown inverted (upside down).

Confirm the selection with *[ENTER]*.

Blackout

In this menu, you can specify the behaviour of the device when the DMX signal is interrupted.

Press *[MENU]* repeatedly until the display shows 'blNd'. Use ▲ or ▼ to select the option 'yes'. With this selection, both LEDs are turned off when no DMX signal is present.

or

Use ▲ or ▼ to select the option 'no'. With this selection, the LEDs remain on and the device operates in master / slave mode depending on the setting.

Confirm the selection with *[ENTER]*.

Self test

In this menu, you can start a self-test.

Press *[MENU]* repeatedly until the display shows 'teSt' and confirm with *[ENTER]*. The self-test is started. To stop it, press *[MENU]*.

Temperature display

In this menu, you can access the current device temperature.

Press *[MENU]* repeatedly until the display shows 'teNP' and confirm with *[ENTER]*.

Firmware

In this menu, you can access the current firmware version.

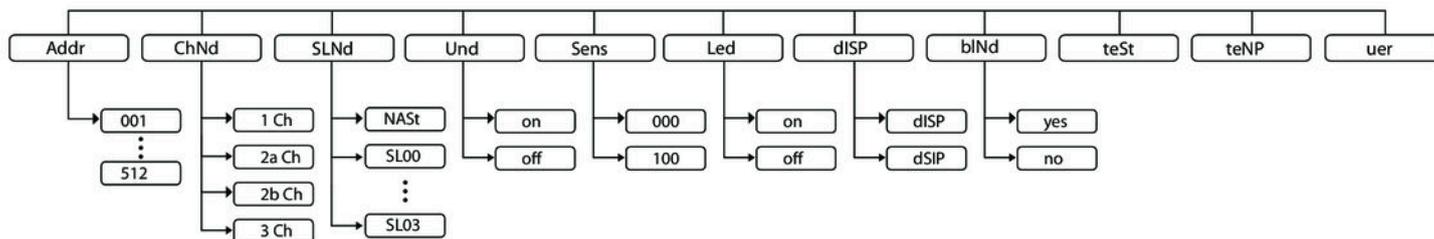
Press *[MENU]* repeatedly until the display shows 'ver' and confirm with *[ENTER]*.

7.3 Remote control

In master / slave mode, the functions of a master / slave combination can be controlled by the master using the remote control unit. The remote control is not included in the scope of delivery.

Button	Function
STAND BY	Button to activate the blackout.
FUNCTION	1: sound-controlled strobe effect
	2: automatic change between twelve show effects
	3: Bright / dark control
MODE	1: sound-controlled change between twelve show programmes
	2: Auto mode
	3: Dimmer

7.4 Menu overview



7.5 Functions in 1-channel mode

Channel	Value	Function
1	0...255	Dimmer (0 % to 100 %), LED 1 and 2

7.6 Functions in 2-channel mode 2a

Channel	Value	Function
1	0...255	Dimmer (0 % to 100 %) LED 1
2	0...255	Dimmer (0 % to 100 %) LED 2

7.7 Functions in 2-channel mode 2b

Channel	Value	Function
1	0...255	Dimmer (0 % to 100 %), LED 1 and 2
2	Strobe effect	
	0...5	open
	6...123	Strobe effect, increasing frequency
	124...127	open
	128...185	Strobe effect, random frequency, LED 1 and 2 synchronous
	186...190	open
	191...249	Strobe effect, random frequency, LED 1 and 2 asynchronous
	250...255	open

7.8 Functions in 3-channel mode

Channel	Value	Function
1	0...255	Dimmer (0 % to 100 %) LED 1
2	0...255	Dimmer (0 % to 100 %) LED 2
3	Strobe effect	
	0...5	open
	6...123	Strobe effect, increasing frequency
	124...127	open
	128...185	Strobe effect, random frequency, LED 1 and 2 synchronous
	186...190	open
	191...249	Strobe effect, random frequency, LED 1 and 2 asynchronous
	250...255	open

8 Technical specifications

Light source	2 × COB LED, each 65 W	
Light source properties	Colour temperature	2700 K
	Colour rendering index	80
Optical properties	Beam angle	70°
Control	DMX, manually via buttons and display on the unit, infrared remote control (item number 168964), not included.	
Number of DMX channels	1, 2 or 3	
Input connections	Voltage supply	IEC chassis plug C14
	DMX control	XLR chassis socket, 3-pin
	Remote control	1/4" jack socket
Output connections	Voltage supply	IEC chassis socket C14
	DMX control	XLR chassis socket, 3-pin

Technical specifications

Power consumption	200 W	
Supply voltage	100 – 240 V ~ 50/60 Hz	
Fuse	5 mm × 20 mm, 1 A, 250 V, slow-blow	
Degree of protection	IP20	
Mounting options	hanging, mounting bracket with mounting holes	
Dimensions (W × H × D)	530 mm × 330 mm × 150 mm	
Weight	4.5 kg	
Ambient conditions	Temperature range	0 °C...40 °C
	Relative humidity	50 %, non-condensing

Further information

Design	Twin
Light source included	Yes
DMX controllable	Yes
Fan-cooled	Yes
Housing colour	Black

9 Plug and connection assignments

Introduction

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

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

DMX connections

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



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

10 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.

11 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.

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