

## Strip Blinder LED WW

LED bar

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# 1 General notes


This user manual contains important information on 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, include the manual for the next owner.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

## **Symbols and signal words**

This section provides an overview of the symbols and signal words used in this user manual.

Signal word	Meaning
<b>DANGER!</b>	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.
<b>WARNING!</b>	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.
<b>NOTICE!</b>	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 – suspended load.

Warning signs	Type of danger
	Warning – danger zone.

## 2 Safety instructions

### **Intended use**

This device is intended to be used as an electronic illumination effect using LED technics. 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.



**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.



### **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

Special features of the device:

- 10 warm white Cree LEDs (9 W each)
- Control via DMX (four different modes), via RDM and via buttons and display on the unit
- Built-in automatic show programmes
- Master / Slave mode
- Robust metal housing with compact design
- Versatile placement and mounting options
- Looped through mains voltage output for powering further devices

#### **Remote Device Management (RDM)**

The device supports RDM protocol communication (Remote Device Management) according to ANSI / ESTA E1.20. It can exchange information with an RDM-compatible controller. Also observe the instruction manual of the controller.

## 4 Installation

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device 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 on the wall, the ceiling or on the floor. The scope of delivery includes two adjustable mounting brackets with locking screws; the brackets can also be used as feet to set it up.



### **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**

Always ensure 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.



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

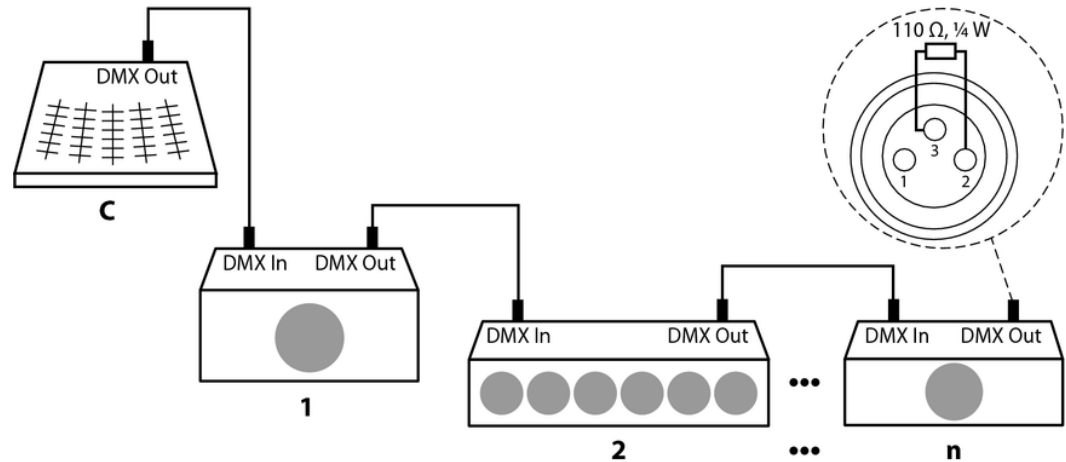


## 5 Starting up

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



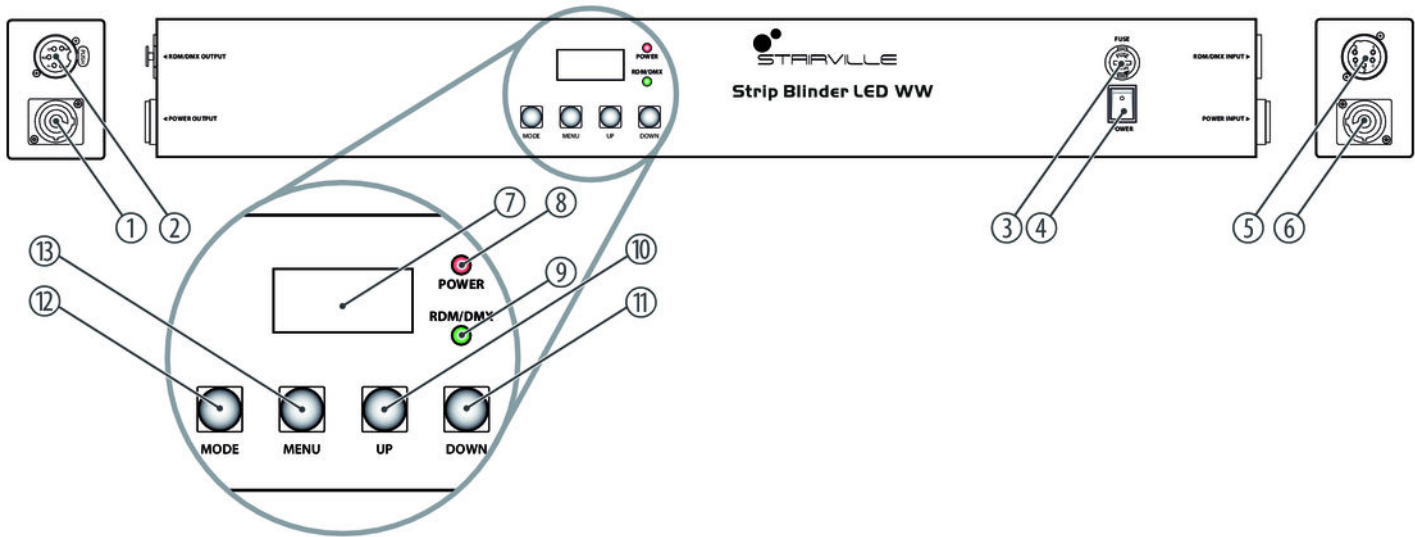
**Connections in master/slave mode**

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.

**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.

## 6 Connections and controls



1	<i>[POWER OUTPUT]</i> Lockable output socket (Power Twist) for the power supply of further units.
2	<i>[RDM/DMX OUTPUT]</i> RDM / DMX output
3	<i>[FUSE]</i> Fuse holder
4	<i>[POWER]</i> Main switch. Turns the device on and off.
5	<i>[RDM/DMX INPUT]</i> RDM / DMX input
6	<i>[POWER INPUT]</i> Lockable input socket (Power Twist) for power supply.
7	Display

8	<i>[POWER]</i> The red LED lights up when the unit is operational after power up.
9	<i>[RDM/DMX]</i> The green control LED indicates that a signal is being received at the RDM/DMX input.
10	Button <i>[UP]</i> Navigates upwards in a menu list. Increases the displayed value by one.
11	Button <i>[DOWN]</i> Navigates downwards in a menu list. Decreases the displayed value by one.
12	Button <i>[MODE]</i> Activates the main menu and toggles between menu items.
13	Button <i>[MENU]</i> Selects an option of the respective operating mode.

## 7 Operating

### 7.1 Main menu

Press *[MODE]* to select an operating mode:

- Operating mode 'Receive': The device is controlled by a DMX controller
- Operating mode 'Chase': The device works independently

If you don't press any button for about one minute the display turns off. It will be reactivated to display the previously shown menu by pressing any button for about two seconds.

## 7.2 Operating mode 'Receive'

### Setting the DMX address

1. ➤ If necessary, use *[MODE]* to switch the device to 'Receive' mode.
2. ➤ Press *[MENU]* repeatedly until the display shows 'Address xxx'.
3. ➤ Now you can set the number of the first DMX channel to be used by the device (DMX address). Use *[UP]* and *[DOWN]* to select a value between 1 and 512 (the display shows 'Address 001' ... 'Address 512').

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

Mode	Highest possible DMX address
1-channel	512
2-channel	511
5-channel	508
10-channel	503



### Selecting the DMX mode.

1. ➤ If necessary, use *[MODE]* to switch the device to 'Receive' mode.
2. ➤ Press *[MENU]* repeatedly until the display shows 'Channel xx'.
3. ➤ Use *[UP]* and *[DOWN]* to select one of the DMX modes 'Channel 01' (1 channel), 'Channel 02' (2 channel), 'Channel 05' (5 channel) or 'Channel 10' (10 channel).

### Selecting behaviour on DMX failure

1. ➤ If necessary, use *[MODE]* to switch the device to 'Receive' mode.
2. ➤ Press *[MENU]* repeatedly until the display shows 'NO DMX'.
3. ➤ Use *[UP]* and *[DOWN]* to choose how the device behaves in case of a disturbed DMX connection:
  - 'NO DMX Hold': the current state is retained
  - 'NO DMX Program': The unit changes to an automatic show selected in 'Chase' mode
  - 'NO DMX OFF': the DMX output is turned off

## Selecting the dimmer curve

1. ➤ If necessary, use *[MODE]* to switch the device to 'Receive' mode.
2. ➤ Press *[MENU]* repeatedly until the display shows 'Fade ON/OFF'.
3. ➤ Use *[UP]* and *[DOWN]* to select a dimmer curve:
  - 'Fade ON': S-shaped dimmer curve
  - 'Fade OFF': linear dimmer curve

## Functions in 1-channel DMX mode

Channel	Value	Function
1	0...255	Intensity LED 1 ... LED 10 (0 % ... 100 %)

**Functions in 2-channel DMX mode**

Channel	Value	Function
1	0...255	Intensity LED 1 ... LED 5 (0 % ... 100 %)
2	0...255	Intensity LED 6 ... LED 10 (0 % ... 100 %)

**Functions in 5-channel DMX mode**

Channel	Value	Function
1	0...255	Intensity LED 1 ... LED 2 (0 % ... 100 %)
2	0...255	Intensity LED 3 ... LED 4 (0 % ... 100 %)
3	0...255	Intensity LED 5 ... LED 6 (0 % ... 100 %)
4	0...255	Intensity LED 7 ... LED 8 (0 % ... 100 %)
5	0...255	Intensity LED 9 ... LED 10 (0 % ... 100 %)

**Functions in 10-channel DMX mode**

Channel	Value	Function
1	0...255	Intensity LED 1 (0 % ... 100 %)
2	0...255	Intensity LED 2 (0 % ... 100 %)
	:	:
10	0...255	Intensity LED 10 (0 % ... 100 %)

## 7.3 Operating mode 'Chase'

### Selecting a Chase programme

1. ▶ If necessary, use *[MODE]* to switch the device to 'Chase' mode.
2. ▶ Press *[MENU]* repeatedly until the display shows 'Chase Program'.
3. ▶ Use *[UP]* and *[DOWN]* to select one of the automatic shows 1 ... 16 (display shows 'Program 01' ... 'Program 16'), the automatic cycle of all shows (display shows 'AUTO') or the full display of all LEDs (display shows 'FULL').

### Setting the running speed of the Chase programme

1. ▶ If necessary, use *[MODE]* to switch the device to 'Chase' mode.
2. ▶ Press *[MENU]* repeatedly until the display shows 'Chase Speed'.
3. ▶ Use *[UP]* and *[DOWN]* to set the running speed for the automatic show in a range from very slow (display shows 'Speed 01', periodic time approx. 30 s) to very fast (display shows 'Speed 99', periodic time approx. 0.1 s).

### Brightness setting

1. ➤ If necessary, use *[MODE]* to switch the device to 'Chase' mode.
2. ➤ Press *[MENU]* repeatedly until the display shows 'Chase Dimmer'.
3. ➤ Use *[UP]* and *[DOWN]* to set the brightness for the automatic show in a range from 'Dimmer 000' to 'Dimmer 100'.

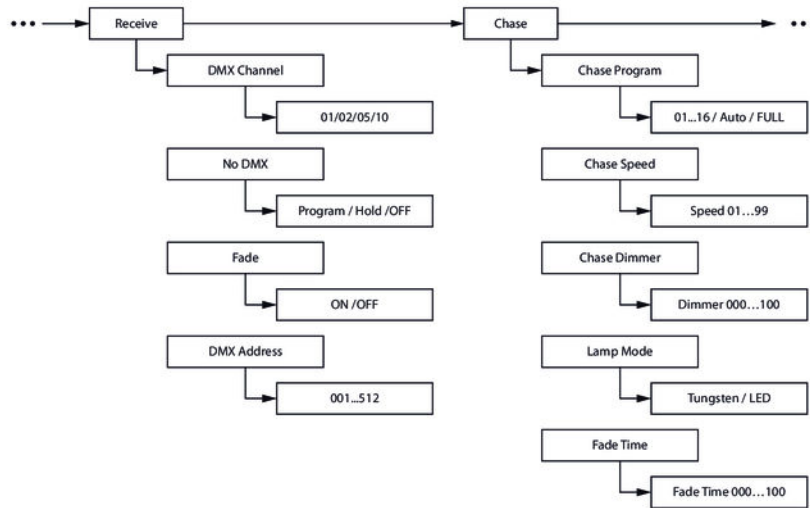
### Selecting the lighting characteristic

1. ➤ If necessary, use *[MODE]* to switch the device to 'Chase' mode.
2. ➤ Press *[MENU]* repeatedly until the display shows 'Lamp Mode'.
3. ➤ Use *[UP]* and *[DOWN]* to choose between 'LampMode Tungsten' and 'LampMode LED'.

## Setting the fade speed

1. ▶ If necessary, use *[MODE]* to switch the device to 'Chase' mode.
2. ▶ Press *[MENU]* repeatedly until the display shows 'Fade Time'.
3. ▶ Use *[UP]* and *[DOWN]* to set the fade speed in a range from 'FadeTime 000' to 'FadeTime 100'.

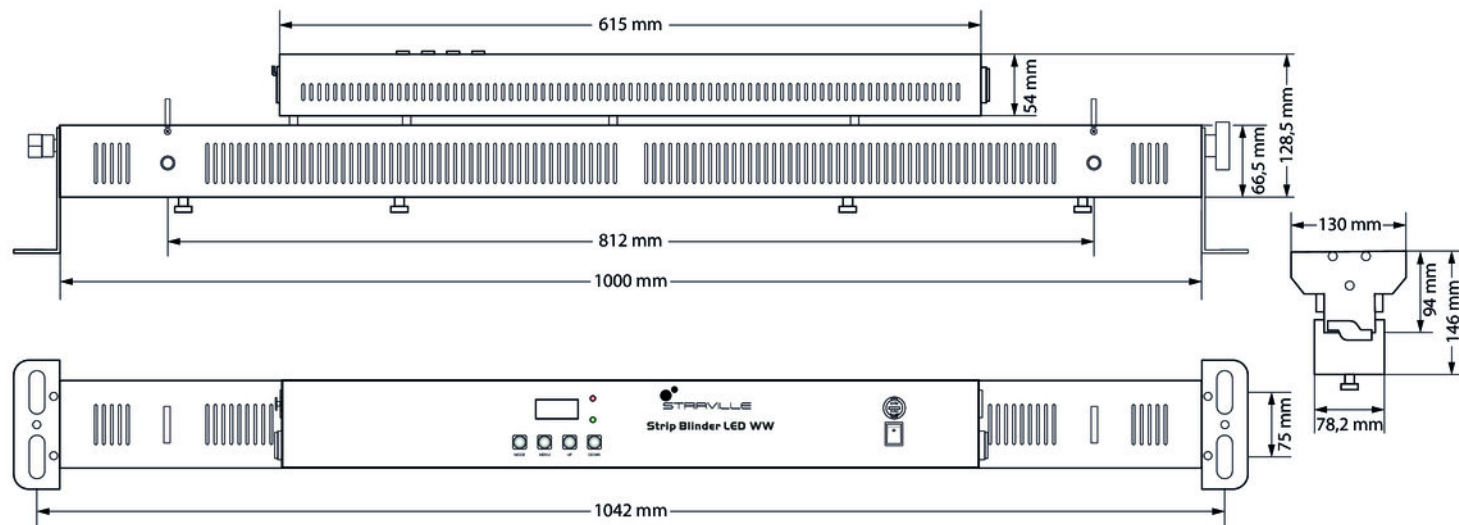
## 7.4 Menu overview





## 8 Technical specifications

Number of DMX channels	1, 2, 5 or 10, according to operating mode
Illuminant	10 warm white Cree LEDs (9 W each)
Beam angle	approx. 18°
Operating supply voltage	100 – 240 V ~ 50 / 60 Hz
Power consumption	max. 100 W
Fuse	5 mm × 20 mm, 3.15 A, 250 V, slow-blow
Protection class	IP20
Dimensions (W × D × H, incl. stand)	1042 mm × 78 mm × 146 mm (incl. bracket)
Weight	7 kg



## 9 Plug and connection assignment

### 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



A five-pin XLR socket serves as DMX output, a five-pin XLR plug serves as DMX input. The drawing below and the table show the pin assignment of a matching coupling.

Pin	Assignment
1	Ground (shielding)
2	Signal inverted (DMX-, 'cold')
3	Signal (DMX+, 'hot')
4	unused / second connection (DMX-)
5	unused / second connection (DMX+)

## 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, the display is dark	Check the mains connection and the main fuse.
Apparently no function despite proper power supply	Check if the unit is in DMX mode or in 'slave' mode. If so, check the unit in another mode.
No response to the DMX controller	<p>1. If the device is in DMX mode but the <i>[RDM/DMX]</i> LED is not lit, no DMX signal is being received. Check whether the DMX controller is switched on. Check the DMX connectors and cables for proper connection.</p> <p>2. If the unit is in DMX mode and a DMX controller is connected and turned on, the <i>[RDM/DMX]</i> LED lights. If it doesn't, no valid DMX signal is received. Check whether the DMX controller is switched on. Check the DMX connectors and cables for proper connection.</p> <p>3. If the <i>[RDM/DMX]</i> LED lights and yet there is no response, check the address settings and the DMX polarity.</p>

Symptom	Remedy
	4. Try using another DMX controller.
	5. Check whether the DMX cables run near or parallel to high-voltage cables that may cause damage or interference to a DMX interface circuit.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at [www.thomann.de](http://www.thomann.de).

# 11 Cleaning

## Optical lenses

Clean the optical lenses, that are accessible from the outside, regularly in order to optimize the light output. The frequency of cleaning depends on the operating environment: wet, smoky or particularly dirty surroundings can cause more accumulation of dirt on the optics of the device.

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

## Fan grids

The fan grids of the device must be cleaned on a regular basis to remove dust and dirt. Before cleaning, switch off the device and disconnect AC-powered devices from the mains. Use a lint-free damp cloth for cleaning. Never use solvents or alcohol for cleaning.

## 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.



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