

Strip Blinder
LED RGB WW
LED bar

Musikhaus Thomann
Thomann GmbH
Hans-Thomann-Straße 1
96138 Burgebrach
Germany
Telephone: +49 (0) 9546 9223-0
E-mail: info@thomann.de
Internet: www.thomann.de

09.07.2020, ID: 421283 (V2)

Table of contents

| | | |
|----------|--|-----------|
| 1 | General notes | 5 |
| 2 | Safety instructions | 8 |
| 3 | Features | 14 |
| 4 | Installation | 15 |
| 5 | Starting up | 18 |
| 6 | Connections and controls | 21 |
| 7 | Operating | 24 |
| | 7.1 Main menu..... | 24 |
| | 7.2 Functions in 4-channel DMX mode (1 pixel, 8 bit)..... | 28 |
| | 7.3 Functions in 6-channel DMX mode (8 bit)..... | 29 |
| | 7.4 Functions in 8-channel DMX mode (2 pixels, 8 bit)..... | 30 |
| | 7.5 Functions in 8-channel DMX mode (1 pixel, 16 bit)..... | 31 |
| | 7.6 Functions in 9-channel DMX mode (8 bit)..... | 32 |
| | 7.7 Functions in 16-channel DMX mode (2 pixels, 16 bit)..... | 33 |
| | 7.8 Functions in 20-channel DMX mode (5 pixels, 8 bit)..... | 35 |

| | | |
|-----------|---|-----------|
| 7.9 | Functions in 40-channel DMX mode (10 pixels, 8 bit)..... | 37 |
| 7.10 | Functions in 40-channel DMX mode (5 pixels, 16 bit)..... | 40 |
| 7.11 | Functions in 80-channel DMX mode (10 pixels, 16 bit)..... | 44 |
| 7.12 | Menu overview..... | 51 |
| 8 | Technical specifications..... | 52 |
| 9 | Plug and connection assignment..... | 56 |
| 10 | Troubleshooting..... | 57 |
| 11 | Cleaning..... | 60 |
| 12 | Protecting the environment..... | 61 |



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 |
|---|--|
| 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, depicting a crane hook lifting a rectangular load. | Warning – suspended load. |
|  A yellow triangular warning sign with a black border, featuring 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 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

Special features of the device:

- 10 four-colour LEDs (RGBWW, 10 W each)
- Control via DMX (ten 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

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.

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 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 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

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.



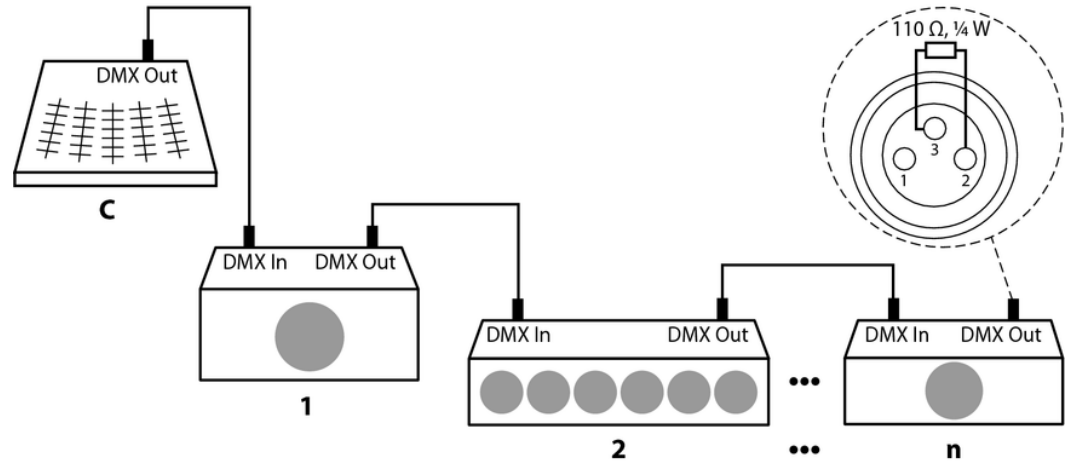
Please note that this device must not be connected to a dimmer.

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



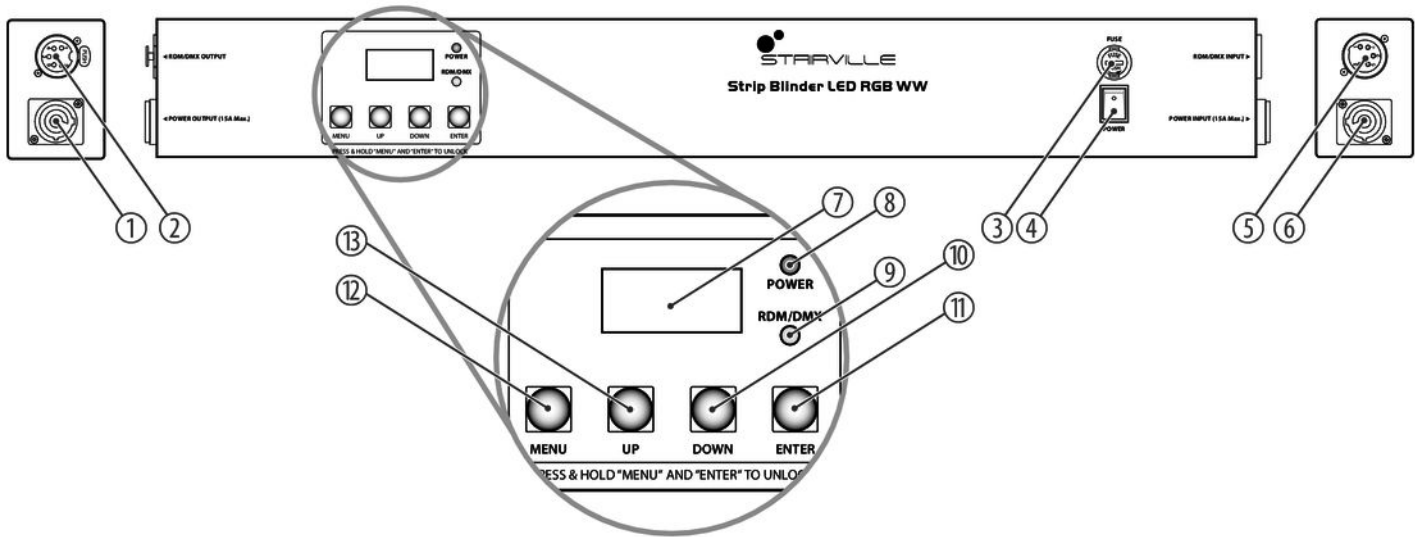
Connections in master/slave mode

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



Strip Blinder LED RGB WW

| | |
|---|--|
| 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>[DOWN]</i> Navigates downwards in a menu list. Decreases the displayed value by one. |
| 11 | Button <i>[ENTER]</i> Activates the main menu and toggles between menu items. |
| 12 | Button <i>[MENU]</i> Selects an option of the respective operating mode. |
| 13 | Button <i>[UP]</i> Navigates upwards in a menu list. Increases the displayed value by one. |

7 Operating

7.1 Main menu

Press *[MENU]* to activate the main menu. Use *[ENTER]* to select a submenu. When the display shows the desired submenu, press *[UP]* or *[DOWN]* to change the indicated value. To close the sub menu, press *[MODE]*.

If you don't press any button for about 45 seconds, the buttons will be locked and the display turns off. To unlock the buttons press *[MENU]* and *[ENTER]* simultaneously for about five seconds.

The device has an automatic button lock function against unintentional adjustment. To deactivate the button lock function keep *[MENU]* and *[ENTER]* pressed until the display lights up.

The following table shows the setting options.

| Main menu | Menu level 2 | Menu level 3 | Menu level 4 |
|-----------|--------------|----------------------|---|
| Meaning | | | |
| 'DMX' | 'DMX Ch' | Selecting a DMX mode | |
| | | '1 pixel' | 4-channel mode (with 8 bit resolution) 8-channel mode (with 16 bit resolution) |
| | | '2 pixel' | 8-channel mode (with 8 bit resolution) 16-channel mode (with 16 bit resolution) |
| | | '5 pixel' | 20-channel mode (with 8 bit resolution) 40-channel mode (with 16 bit resolution) |

| Main menu | Menu level 2 | Menu level 3 | Menu level 4 |
|-----------|------------------------------|-------------------|---|
| Meaning | | | |
| | | '10 pixel' | 40-channel mode (with 8 bit resolution) 80-channel mode (with 16 bit resolution) |
| | | '9 DMX Ch' | 9-channel mode |
| | | '6 DMX Ch' | 6-channel mode |
| | 'DMX Addr' | '001' ... '512' | Setting the DMX address |
| | 'DMX Bit' | '8 bit', '16 bit' | Selecting the resolution |
| | 'DMX Fade' | 'Fade on' | Immediate response to DMX commands |
| | | 'Fade off' | Response to DMX commands with a slight delay |
| 'Chase' | Preprogrammed automatic show | | |

| Main menu | Menu level 2 | Menu level 3 | Menu level 4 |
|-----------|----------------------|---------------------|--------------------------------|
| | Meaning | | |
| | 'Program' | Selecting a show | |
| | | 'prog' | 'prog:01' ... 'prog:10' |
| | 'Speed' | Running speed | |
| | | 'speed' | 'speed:01' ... 'speed:99' |
| | 'Fade' | Fade effect | |
| | | 'fade' | 'fade:000' ... 'fade:100' |
| | 'Dimmer' | Brightness | |
| | | 'dimm' | 'dimm:000' ... 'dimm:255' |
| 'Manual' | Manual colour mixing | | |
| | 'Red' | 'R:000' ... 'R:255' | Intensity red (0 % to 100 %) |
| | 'Green' | 'G:000' ... 'G:255' | Intensity green (0 % to 100 %) |

| Main menu | Menu level 2 | Menu level 3 | Menu level 4 |
|-----------|----------------|---------------------|--------------------------------|
| | Meaning | | |
| | 'Blue' | 'B:000' ... 'B:255' | Intensity blue (0 % to 100 %) |
| | 'White' | 'W:000' ... 'W:255' | Intensity white (0 % to 100 %) |

7.2 Functions in 4-channel DMX mode (1 pixel, 8 bit)

| 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 white (0 % to 100 %) |

7.3 Functions in 6-channel DMX mode (8 bit)

| 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 white (0 % to 100 %) |
| 5 | 0...255 | Dimmer (0 % to 100 %) |
| 6 | Strobe effect | |
| | 0...239 | Strobe effect, increasing speed |
| | 240...255 | No strobe effect (full on) |

7.4 Functions in 8-channel DMX mode (2 pixels, 8 bit)

| Channel | Value | Function |
|---------|---------|---|
| 1 | 0...255 | Intensity red (0 % to 100 %), LEDs 1...5 |
| 2 | 0...255 | Intensity green (0 % to 100 %), LEDs 1...5 |
| 3 | 0...255 | Intensity blue (0 % to 100 %), LEDs 1...5 |
| 4 | 0...255 | Intensity white (0 % to 100 %), LEDs 1...5 |
| 5 | 0...255 | Intensity red (0 % to 100 %), LEDs 6...10 |
| 6 | 0...255 | Intensity green (0 % to 100 %), LEDs 6...10 |
| 7 | 0...255 | Intensity blue (0 % to 100 %), LEDs 6...10 |
| 8 | 0...255 | Intensity white (0 % to 100 %), LEDs 6...10 |

7.5 Functions in 8-channel DMX mode (1 pixel, 16 bit)

| Channel | Value | Function |
|----------------------------------|-----------|--------------------------------|
| 1 (upper byte) 2 (lower byte) | 0...65535 | Intensity red (0 % to 100 %) |
| 3 (upper byte) 4 (lower byte) | 0...65535 | Intensity green (0 % to 100 %) |
| 5 (upper byte) 6 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %) |
| 7 (upper byte) 8 (lower byte) | 0...65535 | Intensity white (0 % to 100 %) |

7.6 Functions in 9-channel DMX mode (8 bit)

| 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 white (0 % to 100 %) |
| 5 | Operating mode | |
| | 0...15 | All LEDs light up (full on RGBW) |
| | 16...127 | Colour selection |
| | 128...255 | Selecting a automatic show |
| 6 | 0...255 | Running speed automatic show, increasing |
| 7 | 0...255 | Fade effect, increasing speed |
| 8 | 0...255 | Dimmer (0 % to 100 %) |

| Channel | Value | Function |
|---------|---------------|---------------------------------|
| 9 | Strobe effect | |
| | 0...239 | Strobe effect, increasing speed |
| | 240...255 | No strobe effect (full on) |

7.7 Functions in 16-channel DMX mode (2 pixels, 16 bit)

| Channel | Value | Function |
|----------------|-----------|--|
| 1 (upper byte) | 0...65535 | Intensity red (0 % to 100 %), LEDs 1...5 |
| 2 (lower byte) | | |
| 3 (upper byte) | 0...65535 | Intensity green (0 % to 100 %), LEDs 1...5 |
| 4 (lower byte) | | |

| Channel | Value | Function |
|------------------------------------|-----------|---|
| 5 (upper byte) 6 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LEDs 1...5 |
| 7 (upper byte) 8 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LEDs 1...5 |
| 9 (upper byte) 10 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LEDs 6...10 |
| 11 (upper byte) 12 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LEDs 6...10 |
| 13 (upper byte) 14 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LEDs 6...10 |
| 15 (upper byte) 16 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LEDs 6...10 |

7.8 Functions in 20-channel DMX mode (5 pixels, 8 bit)

| Channel | Value | Function |
|---------|---------|---|
| 1 | 0...255 | Intensity red (0 % to 100 %), LEDs 1, 2 |
| 2 | 0...255 | Intensity green (0 % to 100 %), LEDs 1, 2 |
| 3 | 0...255 | Intensity blue (0 % to 100 %), LEDs 1, 2 |
| 4 | 0...255 | Intensity white (0 % to 100 %), LEDs 1, 2 |
| 5 | 0...255 | Intensity red (0 % to 100 %), LEDs 3, 4 |
| 6 | 0...255 | Intensity green (0 % to 100 %), LEDs 3, 4 |
| 7 | 0...255 | Intensity blue (0 % to 100 %), LEDs 3, 4 |
| 8 | 0...255 | Intensity white (0 % to 100 %), LEDs 3, 4 |
| 9 | 0...255 | Intensity red (0 % to 100 %), LEDs 5, 6 |
| 10 | 0...255 | Intensity green (0 % to 100 %), LEDs 5, 6 |
| 11 | 0...255 | Intensity blue (0 % to 100 %), LEDs 5, 6 |

| Channel | Value | Function |
|---------|---------|--|
| 12 | 0...255 | Intensity white (0 % to 100 %), LEDs 5, 6 |
| 13 | 0...255 | Intensity red (0 % to 100 %), LEDs 7, 8 |
| 14 | 0...255 | Intensity green (0 % to 100 %), LEDs 7, 8 |
| 15 | 0...255 | Intensity blue (0 % to 100 %), LEDs 7, 8 |
| 16 | 0...255 | Intensity white (0 % to 100 %), LEDs 7, 8 |
| 17 | 0...255 | Intensity red (0 % to 100 %), LEDs 9, 10 |
| 18 | 0...255 | Intensity green (0 % to 100 %), LEDs 9, 10 |
| 19 | 0...255 | Intensity blue (0 % to 100 %), LEDs 9, 10 |
| 20 | 0...255 | Intensity white (0 % to 100 %), LEDs 9, 10 |

7.9 Functions in 40-channel DMX mode (10 pixels, 8 bit)

| Channel | Value | Function |
|---------|---------|---------------------------------------|
| 1 | 0...255 | Intensity red (0 % to 100 %), LED 1 |
| 2 | 0...255 | Intensity green (0 % to 100 %), LED 1 |
| 3 | 0...255 | Intensity blue (0 % to 100 %), LED 1 |
| 4 | 0...255 | Intensity white (0 % to 100 %), LED 1 |
| 5 | 0...255 | Intensity red (0 % to 100 %), LED 2 |
| 6 | 0...255 | Intensity green (0 % to 100 %), LED 2 |
| 7 | 0...255 | Intensity blue (0 % to 100 %), LED 2 |
| 8 | 0...255 | Intensity white (0 % to 100 %), LED 2 |
| 9 | 0...255 | Intensity red (0 % to 100 %), LED 3 |
| 10 | 0...255 | Intensity green (0 % to 100 %), LED 3 |
| 11 | 0...255 | Intensity blue (0 % to 100 %), LED 3 |

| Channel | Value | Function |
|---------|---------|---------------------------------------|
| 12 | 0...255 | Intensity white (0 % to 100 %), LED 3 |
| 13 | 0...255 | Intensity red (0 % to 100 %), LED 4 |
| 14 | 0...255 | Intensity green (0 % to 100 %), LED 4 |
| 15 | 0...255 | Intensity blue (0 % to 100 %), LED 4 |
| 16 | 0...255 | Intensity white (0 % to 100 %), LED 4 |
| 17 | 0...255 | Intensity red (0 % to 100 %), LED 5 |
| 18 | 0...255 | Intensity green (0 % to 100 %), LED 5 |
| 19 | 0...255 | Intensity blue (0 % to 100 %), LED 5 |
| 20 | 0...255 | Intensity white (0 % to 100 %), LED 5 |
| 21 | 0...255 | Intensity red (0 % to 100 %), LED 6 |
| 22 | 0...255 | Intensity green (0 % to 100 %), LED 6 |
| 23 | 0...255 | Intensity blue (0 % to 100 %), LED 6 |
| 24 | 0...255 | Intensity white (0 % to 100 %), LED 6 |

| Channel | Value | Function |
|---------|---------|---------------------------------------|
| 25 | 0...255 | Intensity red (0 % to 100 %), LED 7 |
| 26 | 0...255 | Intensity green (0 % to 100 %), LED 7 |
| 27 | 0...255 | Intensity blue (0 % to 100 %), LED 7 |
| 28 | 0...255 | Intensity white (0 % to 100 %), LED 7 |
| 29 | 0...255 | Intensity red (0 % to 100 %), LED 8 |
| 30 | 0...255 | Intensity green (0 % to 100 %), LED 8 |
| 31 | 0...255 | Intensity blue (0 % to 100 %), LED 8 |
| 32 | 0...255 | Intensity white (0 % to 100 %), LED 8 |
| 33 | 0...255 | Intensity red (0 % to 100 %), LED 9 |
| 34 | 0...255 | Intensity green (0 % to 100 %), LED 9 |
| 35 | 0...255 | Intensity blue (0 % to 100 %), LED 9 |
| 36 | 0...255 | Intensity white (0 % to 100 %), LED 9 |
| 37 | 0...255 | Intensity red (0 % to 100 %), LED 10 |

| Channel | Value | Function |
|---------|---------|--|
| 38 | 0...255 | Intensity green (0 % to 100 %), LED 10 |
| 39 | 0...255 | Intensity blue (0 % to 100 %), LED 10 |
| 40 | 0...255 | Intensity white (0 % to 100 %), LED 10 |

7.10 Functions in 40-channel DMX mode (5 pixels, 16 bit)

| Channel | Value | Function |
|----------------------------------|-----------|---|
| 1 (upper byte) 2 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LEDs 1, 2 |
| 3 (upper byte) 4 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LEDs 1, 2 |

| Channel | Value | Function |
|------------------------------------|-----------|---|
| 5 (upper byte) 6 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LEDs 1, 2 |
| 7 (upper byte) 8 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LEDs 1, 2 |
| 9 (upper byte) 10 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LEDs 3, 4 |
| 11 (upper byte) 12 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LEDs 3, 4 |
| 13 (upper byte) 14 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LEDs 3, 4 |
| 15 (upper byte) 16 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LEDs 3, 4 |

| Channel | Value | Function |
|------------------------------------|-----------|---|
| 17 (upper byte) 18 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LEDs 5, 6 |
| 19 (upper byte) 20 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LEDs 5, 6 |
| 21 (upper byte) 22 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LEDs 5, 6 |
| 23 (upper byte) 24 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LEDs 5, 6 |
| 25 (upper byte) 26 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LEDs 7, 8 |
| 27 (upper byte) 28 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LEDs 7, 8 |

| Channel | Value | Function |
|------------------------------------|-----------|--|
| 29 (upper byte) 30 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LEDs 7, 8 |
| 31 (upper byte) 32 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LEDs 7, 8 |
| 33 (upper byte) 34 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LEDs 9, 10 |
| 35 (upper byte) 36 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LEDs 9, 10 |
| 37 (upper byte) 38 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LEDs 9, 10 |
| 39 (upper byte) 40 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LEDs 9, 10 |

7.11 Functions in 80-channel DMX mode (10 pixels, 16 bit)

| Channel | Value | Function |
|------------------------------------|-----------|---------------------------------------|
| 1 (upper byte) 2 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 1 |
| 3 (upper byte) 4 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 1 |
| 5 (upper byte) 6 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 1 |
| 7 (upper byte) 8 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 1 |
| 9 (upper byte) 10 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 2 |
| 11 (upper byte) 12 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 2 |

| Channel | Value | Function |
|------------------------------------|-----------|---------------------------------------|
| 13 (upper byte) 14 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 2 |
| 15 (upper byte) 16 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 2 |
| 17 (upper byte) 18 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 3 |
| 19 (upper byte) 20 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 3 |
| 21 (upper byte) 22 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 3 |
| 23 (upper byte) 24 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 3 |

| Channel | Value | Function |
|------------------------------------|-----------|---------------------------------------|
| 25 (upper byte) 26 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 4 |
| 27 (upper byte) 28 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 4 |
| 29 (upper byte) 30 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 4 |
| 31 (upper byte) 32 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 4 |
| 33 (upper byte) 34 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 5 |
| 35 (upper byte) 36 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 5 |

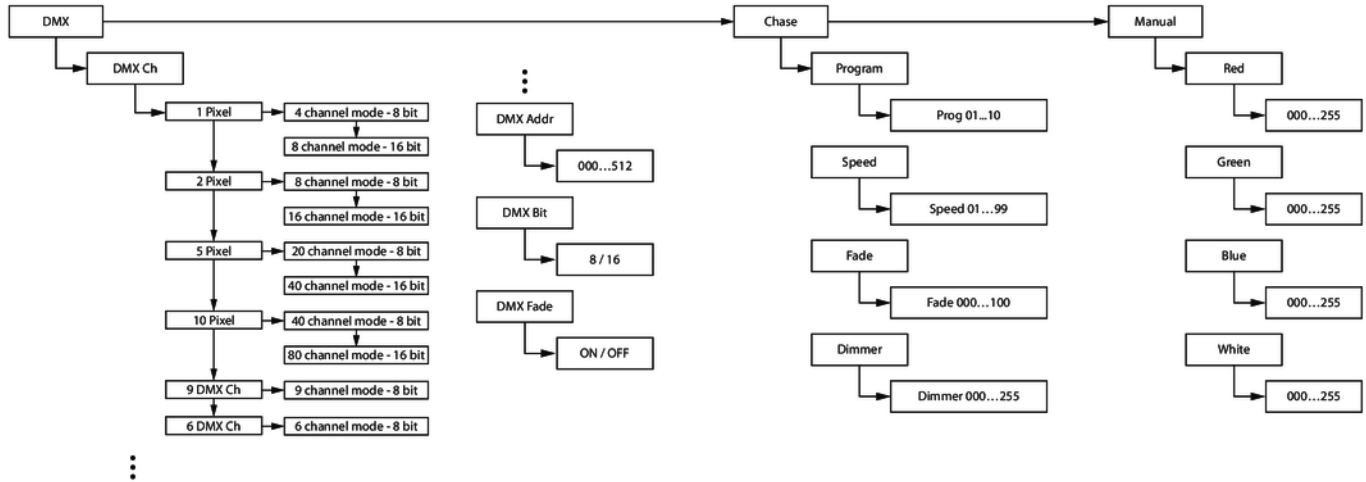
| Channel | Value | Function |
|------------------------------------|-----------|---------------------------------------|
| 37 (upper byte) 38 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 5 |
| 39 (upper byte) 40 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 5 |
| 41 (upper byte) 42 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 6 |
| 43 (upper byte) 44 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 6 |
| 45 (upper byte) 46 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 6 |
| 47 (upper byte) 48 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 6 |

| Channel | Value | Function |
|------------------------------------|-----------|---------------------------------------|
| 49 (upper byte) 50 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 7 |
| 51 (upper byte) 52 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 7 |
| 53 (upper byte) 54 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 7 |
| 55 (upper byte) 56 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 7 |
| 57 (upper byte) 58 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 8 |
| 59 (upper byte) 60 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 8 |

| Channel | Value | Function |
|------------------------------------|-----------|---------------------------------------|
| 61 (upper byte) 62 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 8 |
| 63 (upper byte) 64 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 8 |
| 65 (upper byte) 66 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 9 |
| 67 (upper byte) 68 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 9 |
| 69 (upper byte) 70 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 9 |
| 71 (upper byte) 72 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 9 |

| Channel | Value | Function |
|------------------------------------|-----------|--|
| 73 (upper byte) 74 (lower byte) | 0...65535 | Intensity red (0 % to 100 %), LED 10 |
| 75 (upper byte) 76 (lower byte) | 0...65535 | Intensity green (0 % to 100 %), LED 10 |
| 77 (upper byte) 78 (lower byte) | 0...65535 | Intensity blue (0 % to 100 %), LED 10 |
| 79 (upper byte) 80 (lower byte) | 0...65535 | Intensity white (0 % to 100 %), LED 10 |

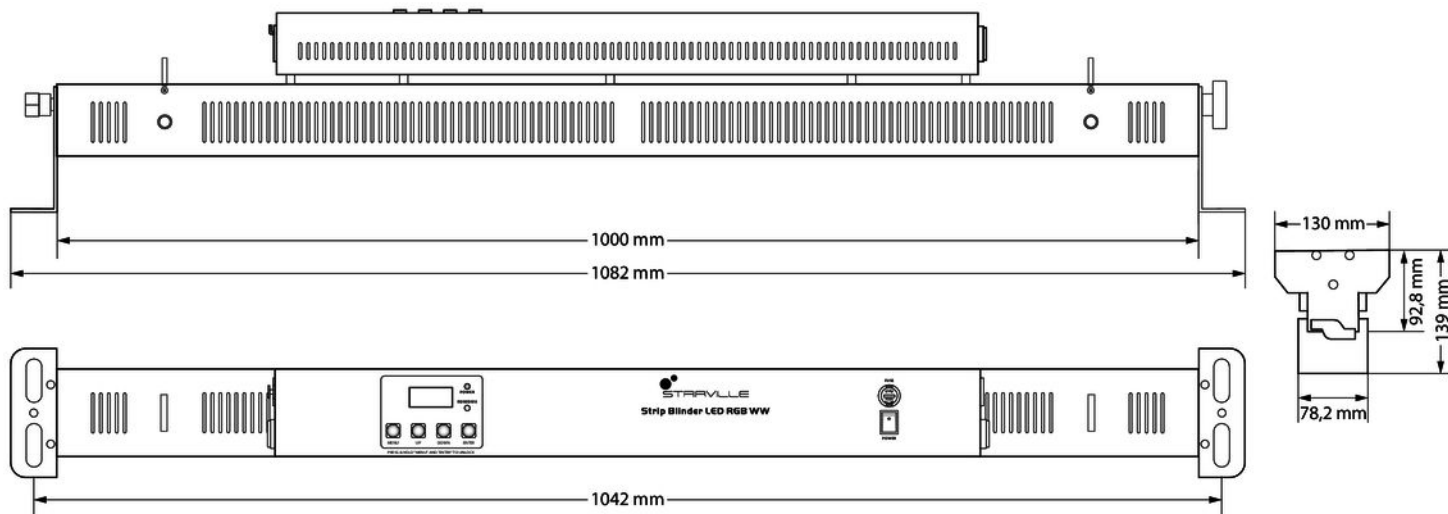
7.12 Menu overview



8 Technical specifications

| | | |
|-----------------------------------|---|--------------------------------------|
| Light source | 10 four-colour LEDs (RGBWW, 10 W each) | |
| Light source properties (WW LEDs) | Colour temperature | 3000 K |
| Optical properties | Beam angle | 18° |
| Control | DMX, RDM or via buttons and display on the unit | |
| Number of DMX channels | 4, 6, 8, 9, 16, 20, 40 or 80 | |
| Input connections | Power supply | Lockable input socket (Power Twist) |
| | DMX/RDM control | XLR chassis socket, 5-pin |
| Output connections | Power supply of further devices | Lockable output socket (Power Twist) |
| | DMX/RDM control | XLR chassis socket, 5-pin |
| Power consumption | max. 100 W | |
| Supply voltage | 100 – 240 V ~ 50/60 Hz | |
| Fuse | 5 mm × 20 mm, 3.15 A, 250 V, fast blow | |

| | | |
|--------------------------------------|--------------------------|----------------------|
| Degree of protection | IP20 | |
| Mounting options | Hanging, standing | |
| Dimensions (W × H × D), with bracket | 1042 mm × 78 mm × 146 mm | |
| Weight | 7 kg | |
| Ambient conditions | Temperature range | 0 °C...40 °C |
| | Relative humidity | 50 %, non-condensing |



Further information

| | |
|------------------------------|--------------|
| Suitable for outdoor use | No |
| Colour mixture | RGB WW |
| LED type | x-in-1 |
| Fanless | Yes |
| Remote control | Not possible |
| Wireless DMX | No |
| Housing colour | Black |
| Separately controllable LEDs | Yes |
| Length | 1 m |

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 | <ol style="list-style-type: none">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.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.3. If the <i>[RDM/DMX]</i> LED lights and yet there is no response, check the address settings and the DMX polarity. |

| Symptom | Remedy |
|---------|--|
| | <p>4. Try using another DMX controller.</p> <p>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.</p> |

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.

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.

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.



Musikhaus Thomann · Hans-Thomann-Straße 1 · 96138 Burgebrach · Germany · www.thomann.de