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Strip Blinder X 10x75W

User manual

blinder

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1 General notes

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

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'*.

Cross-references

References to other locations in this manual are identified by an arrow and the specified page number. In the electronic version of the manual, you can click the cross-reference to jump to the specified location.

Example: See *'Cross-references' on page 8*.

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 – hot surface.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended to be used as an illumination effect. 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.

WARNING!

Risk of burns

The surface of the device can become very hot during operation.

Do not touch the device with bare hands during operation, and after switching off wait for at least 15 minutes.

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.

NOTICE!

Risk of overheating

The distance between the light output and the illuminated surface must be more than 2.0 m (78.7 in).

Always ensure sufficient ventilation.

The ambient temperature must always be below 40 °C (104 °F).

3 Features

The blinder is particularly suitable for lighting applications in bars and night clubs, on rock stages as well as in theatres and musicals.

Special features of the device:

- 10 halogen lights with GU10 socket (75 W each), arranged in a row
- Control via DMX (four different modes) and via buttons and display on the unit
- Preprogrammed automatic shows
- Robust metal housing with a wide range of mounting options

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.

NOTICE!

Risk of overheating

The distance between the light output and the illuminated surface must be more than 2.0 m (78.7 in).

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.

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 brackets provided for mounting.

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 both brackets.

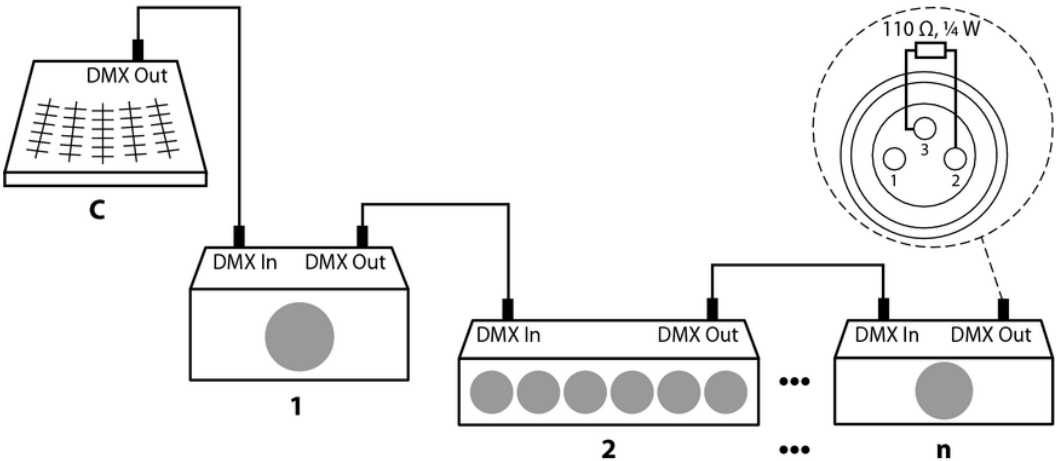
Please note that this device must not be connected to a dimmer.

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 Ω, ¼ W).

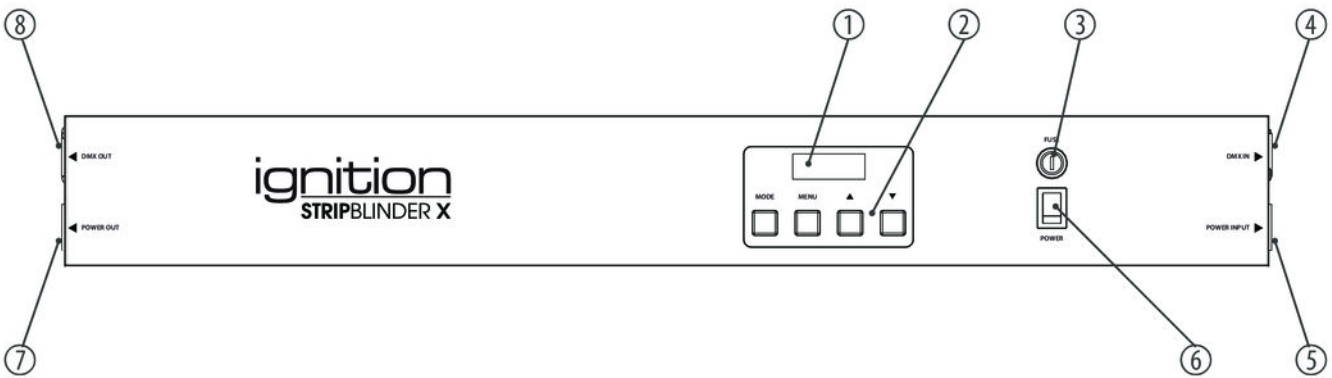


Connections in master/slave mode

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 controls

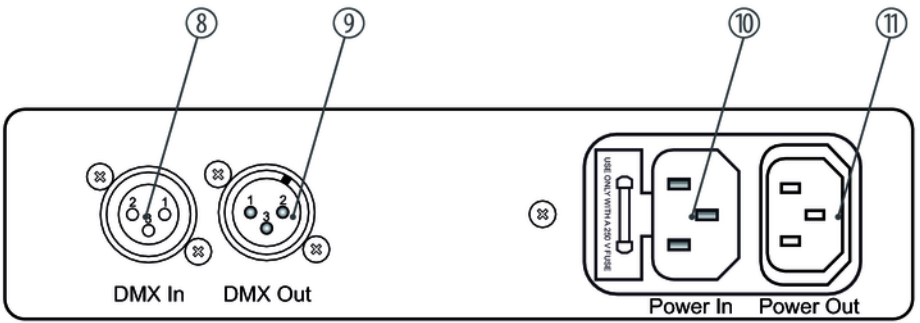
Rear panel



1	Display
2	Function and control buttons *[MENU]*: opens the main menu. Arrow button ▲: increases the displayed value by one. Arrow button ▼: decreases the displayed value by one. *[MODE]*: selects an operating mode.
3	Fuse holder. Should the fuse have blown, disconnect the unit from the power supply and replace the fuse with a new fuse of the same type.
4	*[DMX IN]* DMX input.
5	*[POWER INPUT]* Lockable Power Twist input socket for power supply.
6	Main switch. Switches the device on and off.

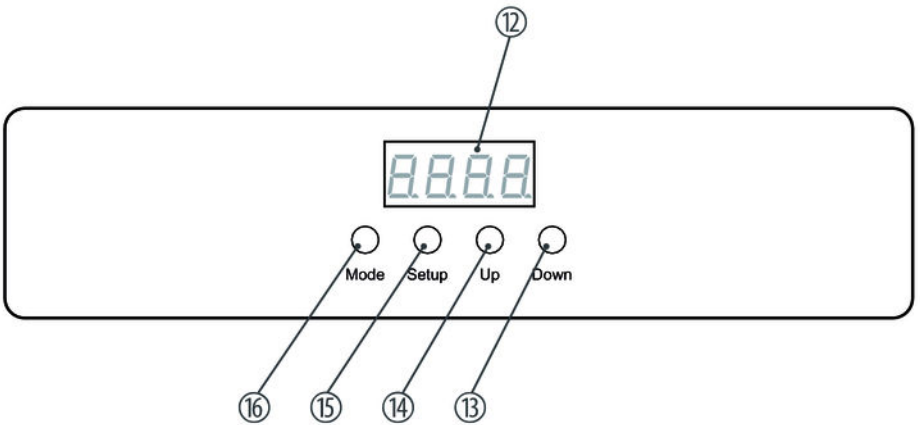
7	*[POWER OUT]* Lockable Power Twist output socket to supply further devices.
8	*[DMX OUT]* DMX output for connecting additional DMX units in a DMX universe.

Connection panel



8	*[DMX In]* DMX input.
9	*[DMX Out]* DMX output.
10	*[Power In]* IEC chassis plug for operating voltage supply with fuse holder.
11	*[Power Out]* IEC chassis socket for the power supply cable to the next unit.

Buttons and display



12	Display.
13	Button *[Down]* Decreases the displayed value by one.
14	Button *[Up]* Increases the displayed value by one.
15	Button *[MODE]* Selects an option of the respective operating mode, confirms the set value.
16	*[MENU]* button Activates the main menu and toggles between menu items. Closes an opened submenu.

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 *[MENU]* to activate the main menu and select an operating mode. Use *[MODE]* to select further options. Use the arrow buttons to change the respectively displayed value. The unit instantly applies the displayed value, you don't need to push a button for confirmation.

Operating mode 'Preprogrammed automatic show'

Press *[MODE]* repeatedly until the display shows *'P:xx'*. Now you can select one of the preprogrammed automatic shows. Use the arrow buttons to select a value between *'P:01'* and *'P:16'*.

To adjust the programme speed, press *[MODE]*. The display shows *'SP:xx'*. Now use the arrow buttons to select a value between *'SP:01'* (slow) and *'SP:99'* (fast).

To adjust the brightness, press *[MENU]*. The display shows *'D:xxx'*. Now use the arrow buttons to select a value between *'D001'* (dark) and *'D100'* (bright).

Automatic mode

Press *[MODE]* repeatedly until the display shows *'AUTO'*. The unit plays all preprogrammed automatic shows one after the other.

Full brightness

Press *[MODE]* repeatedly until the display shows *'FULL'*. All lamps light up with full power.

DMX mode

Press *[MODE]* repeatedly until the display shows *'Axxx'*.

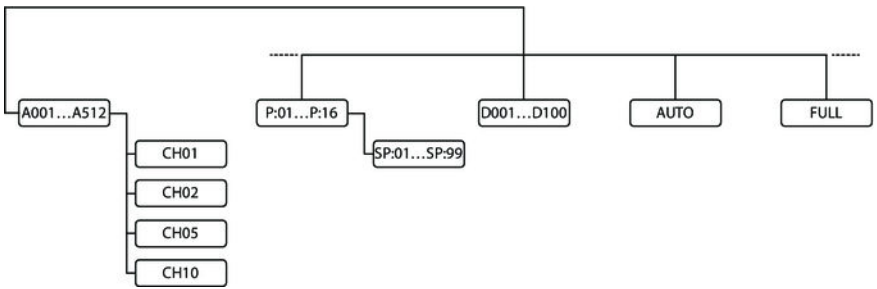
Now you can set the number of the first DMX channel to be used by the device (DMX address). Use the arrow buttons to select a value between 1 and 512 (display shows *'A001'* … *'A512'*).

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.

Press *[MENU]*. Now use the arrow buttons to select one of the following DMX modes:

- *'CH01'* (one channel)
- *'CH02'* (two channels)
- *'CH05'* (five channels)
- *'CH10'* (ten channels)

7.3 Menu overview



7.4 Functions in 1-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %), for all lamps together

7.5 Functions in 2-channel DMX mode

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %) for the left half of the lamps
2	0…255	Dimmer (0 % to 100 %) for the right half of the lamps

7.6 Functions in 5-channel DMX mode

Two adjacent lamps form a group each. The groups are counted from left to right.

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %), for group 1
2	0…255	Dimmer (0 % to 100 %), for group 2
3	0…255	Dimmer (0 % to 100 %), for group 3
4	0…255	Dimmer (0 % to 100 %), for group 4
5	0…255	Dimmer (0 % to 100 %), for group 5

7.7 Functions in 10-channel DMX mode

Each lamp is controlled by one channel. The lamps are counted from left to right.

Channel	Value	Function
1	0…255	Dimmer (0 % to 100 %), for lamp 1
		⋮
10	0…255	Dimmer (0 % to 100 %), for lamp 10

8 Technical specifications

Number of DMX channels	1, 2, 5 or 10 channels, according to operating mode
Illuminant	10 halogen lights with GU10 socket (75 W each)
Operating supply voltage	230 V ~ 50 Hz
Power consumption	750 W
Fuse	5 mm × 20 mm, 6.3 A, 250 V, fast-acting
Dimensions (W × H × D)	1000 mm × 140 mm × 78 mm
Weight	5.4 kg

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 main fuse.
No response to the DMX controller	1. If the *[DMX]* LED is not lit in 'DMX' mode, then no valid DMX signal is received. Check whether the DMX controller is switched on. Check the DMX connectors and cables for proper connection.
	2. If the *[DMX]* LED is lit in 'DMX' mode but there is still no response, check the address settings and the DMX polarity.
	3. Try using another DMX controller.
	4. 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*.

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). 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.