

Blinder 400C Pixel

4 x 100W RGBW LED Blinder Pixel Control



USER MANUAL

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Caution!



Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!



Avoid looking directly into the light source!

Wear protective glasses and other PPE (personal protective equipment) when working on or near the fixture.

Always make sure you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label. Make sure it is grounded when using it!



Unplug mains lead before opening the housing!

Make sure that the power cord is never crimped or damaged by sharp edges. Check the fixture and the powercord from time to time.

Make sure to replace the fuse with another of the same type and rating.



For your own safety, please read this user manual carefully before you initial start-up.

Follow operating safety precautions and pay attention to warning signs methods and equipment on the user manual.



Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.



T = +45°C

Indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. IP 20 rating.

The ambient temperature must always be between -5° C and +45° C.

Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

Introduction

Thank you for having chosen Blinder 400C Pixel. You will see you acquired a powerful and versatile device.

Unpack your item. Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any consult your dealer and do not use the device.

Safety instructions

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual. Always disconnect from the mains, when the device is not in use or before cleaning it. Keep away children and amateurs from the device! There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

Installation

Read 'Safety information' before installing the fixture.

The fixture is designed for indoor use only and must be used in a dry location with adequate ventilation.

Ensure that none of the fixture's ventilation slots are blocked.

Fasten the fixture to a secure structure or surface. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed in this user manual using a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

Fastening the fixture to a flat surface

The fixture can be fastened to a hard, fixed, flat surface that is oriented at any angle. Ensure that the surface and all fasteners used can support at least 10 times the weight of all fixtures and equipment to be installed on it.

Fasten the fixture securely. Do not stand it on a surface or leave it where it can be moved or fall over. If you install the fixture in a location where it may cause injury or damage if it falls, secure it as directed below with a securely anchored safety cable that will hold the fixture if the primary fastening method fails.

Mounting the fixture on a truss

The fixture can be clamped to a truss or similar rigging structure in any orientation. When installing the fixture hanging vertically down, you can use an open-type clamp such as a G-clamp. When installing in any other orientation, you must use a half-coupler clamp that completely encircles the truss chord.

To clamp the fixture to a truss:

1. Check that the rigging structure can support at least 10 times the weight of all fixtures and equipment to be installed on it.
2. Block access under the work area.
3. Fold the legs of the mounting bracket together and bolt a rigging clamp securely to the mounting bracket. The bolt used must be M10, grade 8.8 steel minimum. It must pass through both mounting bracket legs and be fastened with a self-locking nut.
4. Working from a stable platform, hang the fixture with its clamp on the truss and fasten the clamp securely.
5. Secure the fixture with a safety cable as directed below.

LED Display window function

NO	Show	Function	Instruction
1	D001	001- 512	DMX-512 address set, 16 Channels mode
2	A001	001- 512	DMX-512 address set, 8 Channels mode
3	H001	001- 512	DMX-512 address set, 20 Channels mode
4	R255	000-255	R dimmer, from dark to light
5	G255	000-255	G dimmer, from dark to light
6	B255	000-255	B dimmer, from dark to light
7	W255	000-255	W dimmer, from dark to light
8	AU01	01 -27	Preset effects
9	SP01	01 - 99	Speed of effect from slow to fast
10	FH99	01 - 99	Strobe from slow to fast
11	Sound	1 - 9	Voice control, 9 effects

DMX Protocol

D001 - 16 Channel	Function	Instruction
CH 1-5-9-13	R1-R2-R3-R4 Dimmer	R1-R2-R3-R4 Dimmer- Dark to Bright
CH 2-6-10-14	G1-G2-G3-G4 Dimmer	G1-G2-G3-G4 Dimmer- Dark to Bright
CH 3-7-11-15	B1-B2-B3-B4 Dimmer	B1-B2-B3-B4 Dimmer- Dark to Bright
CH 4-8-12-16	W1-W2-W3-W4 Dimmer	W1-W2-W3-W4 Dimmer- Dark to Bright

A001 - 8 Channel	Function	Instruction
CH1	Total Dimmer	R、 G、 B、 W dimmer : from dark to bright
CH2	R dimmer	R dimmer : from dark to bright
CH3	G dimmer	G dimmer : from dark to bright
CH4	B dimmer	B dimmer : from dark to bright
CH5	W dimmer	W dimmer : from dark to bright
CH6	Strobe	R、 G、 B、 W strobe: from slow to fast
CH7	Function choice	000-015: DMX512
		016-240: 27 effects
		241-255: Sound-Active
CH8	Function speed	Speed function, from slow to fast

H001 - 20 Channel	Function	Instruction
CH1	Total dimming	Total dimming : from dark to bright
CH2	R1 dimmer	R1 dimmer : from dark to bright
CH3	G1 dimmer	G1 dimmer : from dark to bright
CH4	B1 dimmer	B1 dimmer : from dark to bright
CH5	W1 dimmer	W1 dimmer : from dark to bright
CH6	R2 dimmer	R2 dimmer : from dark to bright
CH7	G2 dimmer	G2 dimmer : from dark to bright
CH8	B2 dimmer	B2 dimmer : from dark to bright
CH9	W2 dimmer	W2 dimmer : from dark to bright
CH10	R3 dimmer	R3 dimmer : from dark to bright
CH11	G3 dimmer	G3 dimmer : from dark to bright
CH12	B3 dimmer	B3 dimmer : from dark to bright
CH13	W3 dimmer	W3 dimmer : from dark to bright
CH14	R4 dimmer	R4 dimmer : from dark to bright
CH15	G4 dimmer	G4 dimmer : from dark to bright
CH16	B4 dimmer	B4 dimmer : from dark to bright
CH17	W4 dimmer	W4 dimmer : from dark to bright
CH18	Total Strobe	Total strobe: from slow to fast
CH19	Function choice	000-015: DMX512
		016-240: 21 effects
		241-255: Sound-Active
CH20	Function speed	Speed function, from slow to fast

Fixture Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

To clean the fixture:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Vacuum or gently blow away dust and loose particles from the outside of the fixture with low-pres-

sure compressed air.

3. Clean the surfaces by wiping gently with a soft, clean lint-free cloth moistened with a weak detergent solution. Do not rub glass surfaces hard: lift particles off with a soft repeated press. Dry with a soft, clean, lint-free cloth or low-pressure compressed air. Remove stuck particles with an unscented tissue or cotton swab moistened with glass cleaner or distilled water.
4. Check that the fixture is dry before reapplying power.

Fuse Replacement

This fuse is located in a fuseholder next to the MAINS OUT socket on the connections panel.

To replace a fuse:

1. Disconnect the fixture from power and allow it to cool for at least 10 minutes.
2. Unscrew the cap of the fuseholder and remove the fuse. Replace with a fuse of the same size and rating only.
3. Reinstall the fuseholder cap before reapplying power.

Troubleshooting

Listed below are a few common problems that you may encounter, with solutions.

The fixture does not work, no light

- Check the connection of power and main fuse. Be sure the external fuse has not blown.
- Measure the mains voltage on the main connector.

Technical specifications

Model	Blinder 400C Pixel
Power supply:	AC110-240V, 50/60Hz
Light source:	4 x 100W RGBW
Power connection:	Power in & out
Signal connection:	3-pin XLR in & out
DMX channels:	20/16/8 CH
Control mode:	DMX512, Auto, Sound, Master-slave
Housing:	Colour black, Aluminum
Size(barn door excluded):	430 x 270 x 420mm
N.W.:	8.5kg
Enviroment:	IP20

Please note: All information is subject to change without prior notice.