SHOWPRO
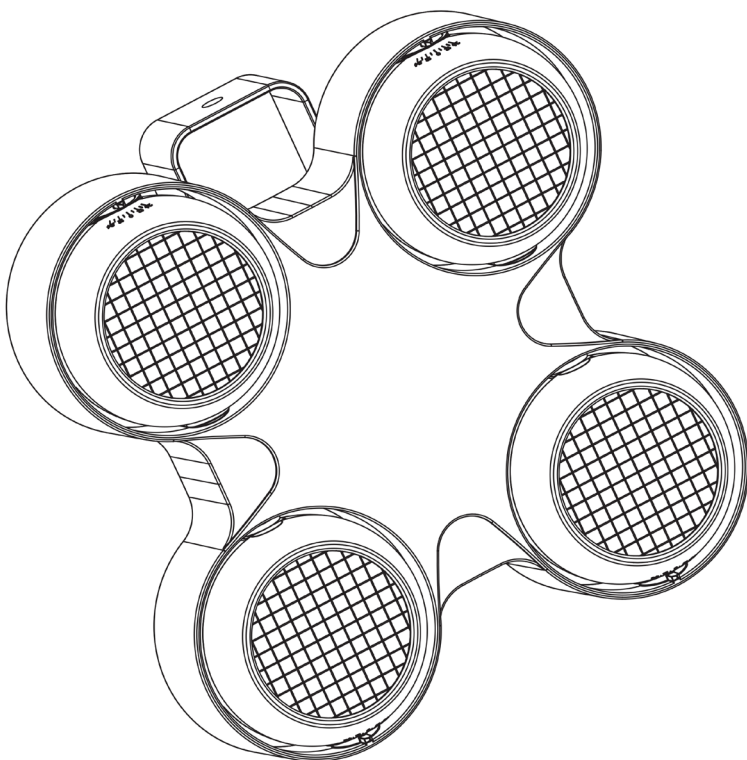
✖-Blinder

LED audience blinder
with a modern design and advanced features
designed to reproduce the look and feel
of the classic incandescent effect

USER MANUAL

TABLE OF CONTENTS

PACKING CONTENT

- X-Blinder
- Power cord
- User manual
- Warranty Card

⚠️ **WARNING! Before carrying out any operations with the unit, carefully read this instruction manual and keep it with cure for future reference. It contains important information about the installation, usage and maintenance of the unit.** ⚠️

SAFETY

General instruction

- The products referred to in this manual conform to the European Community Directives and are therefore marked with ℂℰ.
- The unit is supplied with hazardous network voltage (230V~). Leave servicing to skilled personnel only. Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.
- Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN 60598-1). It is, moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.
- The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data label.
- This unit is not for home use, only professional applications.
- Never use the fixture under the following conditions:
  - in places subject to vibrations or bumps;
  - in places with a temperature of over 45 °C.
- Make certain that no inflammable liquids, water or metal objects enter the fixture.
- Do not dismantle or modify the fixture.
- All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.
- If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.

Warnings and installation precautions

- If this device will be operated in any way different to the one described in this manual, it may suffer damage and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short circuit, burns, electric shock, etc.
- Before starting any maintenance work or cleaning the projector, cut off power from the main supply.
- Always additionally secure the projector with the safety rope. When carrying out any work, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used.
- Install the fixture in a well ventilated place.
- Keep any inflammable material at a safe distance from the fixture.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.
- Never look directly at the light beam. Please note that fast changes in lighting, e. g. flashing light, may trigger epileptic seizures in photosensitive persons or persons with epilepsy.
- Do not touch the product's housing when operating because it may be very hot.

INTRODUCTION

The X-Blinder is a warm white LED audience blinder with a modern design and advanced features designed to reproduce the look and feel of the classic incandescent effect.
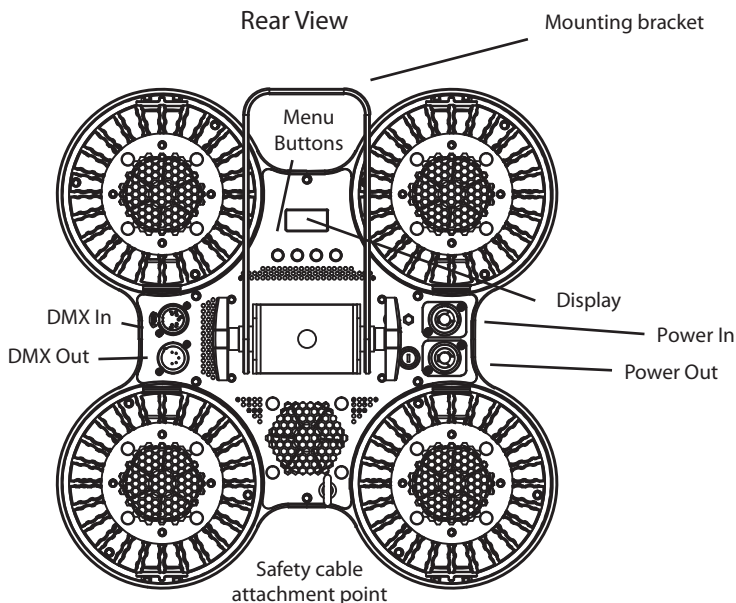
FEATURES

- 4 x 100W warm white LEDs
- Flicker-free output with selectable PWM frequencies for worry-free video
- Smooth 16-bit dimming curves accurately mimic conventional fades
- Unique rugged die-cast body designed for mounting versatility
- Onboard macros make for easy programming of stunning effects
- Individual heads swivel independently in 24° range
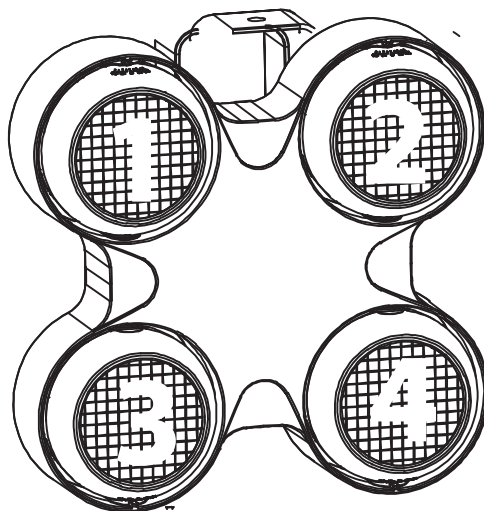- Power linking (PowerCon In/Out)
- DMX control

SPECIFICATIONS

Light Source:	100W White LED (3000K, 4500K or 5000K)
Beam Angle:	50°
Field Angle:	80°
Output:	1246 LUX @ 5 meters
Strobe:	0-30 Hz
Dimming:	4 dimming curve modes
Control:	DMX, Auto (stand-alone)
DMX Channels:	1 / 3 / 4 / 9
Display:	OLED function menu with 4 touch buttons
Mains:	100 - 240 VAC, 50/60 Hz (auto-ranging)
Consumption:	300W
Power connections:	Neutrik PowerCon In/Out
Power linking:	Up to 10 units @ 230V (up to 5 units @ 110V)
Data connections:	XLR In/Out for DMX (3-pin or 5-pin)
Housing Material:	Diecast aluminum
Finish:	Matte black
IP rating:	IP20
Cooling:	Active (variable speed fan)
Dimensions:	364 x 364 x 163 mm
Weight:	8.7 KG

OVERVIEW

Rear View

Mounting bracket

Menu Buttons

DMX In
DMX Out

Display
Power In
Power Out

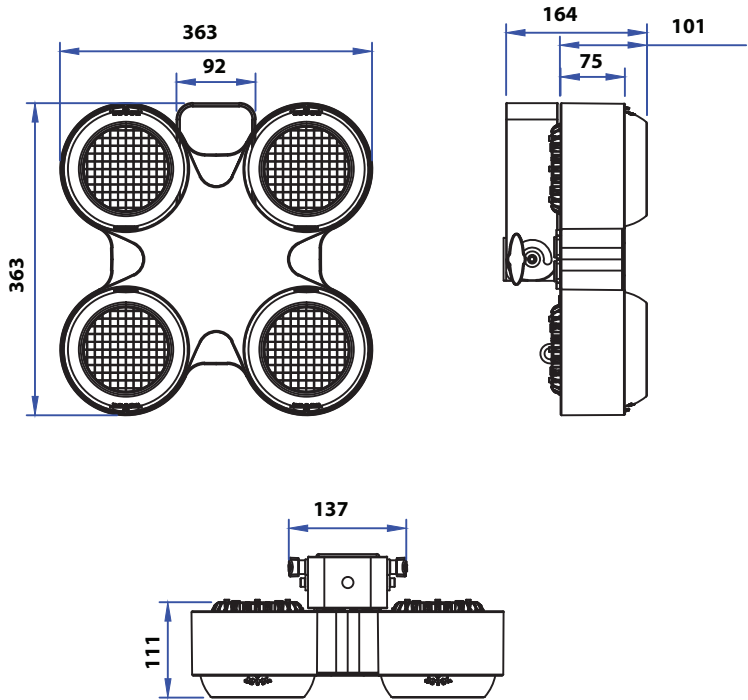Safety cable attachment point

Front View

1   2

3   4

DMX Programming note:

Head number as shown corresponds to DMX address sequence of individual heads

DIMENSIONS

CONTROL MENU OVERVIEW

CONTROL PANEL

BUTTON	FUNCTION
Menu	Selects operating mode or exits submenus
Up	Scrolls up through option lists or selects higher value
Down	Scrolls down through option lists or selects lower value
Enter	Activates displayed menu option or selected value

FUNCTION MENU

MODE	OPTIONS / VALUES			DESCRIPTION
Auto Show	Auto 1 –6	Speed	0–100	Automatic programs
Static	Dimmer	0-255		Sets the intensity of the light output
	Strobe			Selects the strobe frequency
Dimmer Mode	Off			No dimmer
	Dimmer 1 –3			Select curves Dimmer 1 (fast) ~ Dimmer 3 (slow)
Back Light	On			Display backlight always on
	10S			Turns off display backlight after 10 seconds of inactivity
	20S			Turns off display backlight after 20 seconds of inactivity
	30S			Turns off display backlight after 30 seconds of inactivity
Information	Auto	Test		Turns on all LEDs in sequence for testing
	Fixture Hours			Shows total usage hours
	Version			Shows installed software version
DMX Address	001 –512			Selects DMX address (upper channel limit depends on personality chosen)
DMX Channel	1 Ch			1-channel: dimmer
	3 Ch			3-channel: dimmer H, dimmer L, Strobe
	4 Ch			4-channel: Heads 1 - 4
	9 Ch			9-channel: Heads 1 - 4, auto programs, dimmer speed, dimmer H, dimmer L, strobe
Master/Slave Mode	Master			DMX mode (Master)
	Slave			Slave mode
Fan Mode	Auto			Fan control
	High			
Temperature	LED1			Individual head temperature
	LED2			
	LED3			
	LED4			
LED Frequency	600Hz			PWM frequency
	1200 Hz			
	2000 Hz			
	4000 Hz			
	25KHz			

DMX FUNCTION CHART

Channel	Function	Value	Percent/Setting

9-CHANNEL MODE

Channel	Function	Value	Percent/Setting
1	Dimmer H	000 - 255	0–100%
2	Dimmer L	000 - 255	0–100%
3	Strobe	000 - 010 011 - 132 133 - 255	No function 0–20 Hz (All pods) 0–20 Hz (Random strobe macros)
4	White 1	000 - 255	0–100%
5	White 2	000 - 255	0–100%
6	White 3	000 - 255	0–100%
7	White 4	000 - 255	0–100%
8	Auto Programs	000 - 010 011 - 040 041 - 080 081 - 120 121 - 160 161 - 200 201 - 240 241 - 255	No function Auto 1 Auto 2 Auto 3 Auto 4 Auto 5 Auto 6 No function
9	Dimmer Speed	000 - 010 011 - 040 041 - 080 081 - 120 121 - 255	Preset dimmer speed from display menu Nonlinear dimming curve 1 (fastest) Nonlinear dimming curve 2 Nonlinear dimming curve 3 (slowest) Preset dimmer speed from display menu

1-CHANNEL MODE

Channel	Function	Value	Percent/Setting
1	Dimmer H	000 - 255	0–100%

3-CHANNEL MODE

Channel	Function	Value	Percent/Setting
1	Dimmer H	000 - 255	0–100%
2	Dimmer L	000 - 255	0–100%
3	Strobe	000 - 010 011 - 132 133 - 255	No function 0–20 Hz (All heads) 0–20 Hz (Random strobe macros)

4-CHANNEL MODE

Channel	Function	Value	Percent/Setting
1	White 1	000 - 255	0–100%
2	White 2	000 - 255	0–100%
3	White 3	000 - 255	0–100%
4	White 4	000 - 255	0–100%

MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT

• Make sure the area below the installation place is free from unwanted persons during setup.
• Switch off the unit, unplug the main cable and wait until the unit has cooled down.
• All screws used for installing the device and any of its parts should be tightly fastened and should not be corroded.
• Housings, fixations and installation spots (ceiling, trusses, suspensions) should be totally free from any deformation.
• The main cables must be in impeccable condition and should be replaced immediately even when a small problem is detected.
• It is recommended to clean the front at regular intervals, from impurities caused by dust, smoke, or other particles to ensure that the light is radiated at maximum brightness. For cleaning, disconnect the main plug from the socket. Use a soft, clean cloth moistened with a mild detergent. Then carefully wipe the part dry. For cleaning other housing parts use only a soft, clean cloth. Never use a liquid, it might penetrate the unit and cause damage to it.

FUSE REPLACEMENT

1. Remove the safety cap by a screwdriver.
2. Replace the blown fuse with a fuse of the exact same type and rating T5A 250V ø5*20
3. Install the safety cap, and reconnect power.

Fig.7

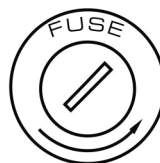### TROUBLESHOOTING

Problems	Possible causes	Checks and remedies
Fixture does not light up	• No mains supply • Dimmer fader set to 0 • All color faders set to 0 • Faulty LED • Faulty LED board	• Check the power supply voltage • Increase the value of the dimmer channels • Increase the value of the color channels • Replace the LED board • Replace the LED board
General low light intensity	• Dirty lens assembly • Misaligned lens assembly	• Clean the fixture regularly • Install lens assembly properly
Fixture does not power up	• No power • Loose or damaged power cord • Faulty internal power supply	• Check for power on power outlet • Check power cord • Replace internal power supply
Fixture does not respond to DMX	• Wrong DMX addressing • Damaged DMX cables • Bouncing signals	• Check control panel and unit addressing • Check DMX cables • Install terminator as suggested

Contact an authorized service center in case of technical problems or not reported in the table can not be resolved by the procedure given in the table.

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