

X400 BEAM

400W LED



USER MANUAL

Keep this manual for future needs

Table of contents

Caution!	3
Introduction	3
Safety instructions	3
Installation	4
Read 'Safety information' before installing the fixture	4
Fastening the fixture to a flat surface	4
Mounting the fixture on a truss	4
Securing with a safety cable	4
DMX-512 connection/connection between fixtures	5
Control Menu Map	6
DMX Protocol	7
Fixture Cleaning	9
Fuse Replacement	9
Troubleshooting	9
The fixture does not work, no light	9
No response to the sound	9
Specifications	10

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.



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 X400 BEAM. 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 fixture is an extremely sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow the guidelines in this manual. The manufacturer of this device will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.

This device has left our premises in absolutely perfect condition. 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. 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.

Securing with a safety cable

Secure the fixture with a safety cable (or other secondary attachment) that is approved for the weight of the fixture so that the safety cable will hold the fixture if a primary attachment fails.

Loop the safety cable through the eyebolt in the back of the fixture and around a secure anchoring point. Do not loop the safety cable around the fixture's mounting bracket only, as this will leave the fixture

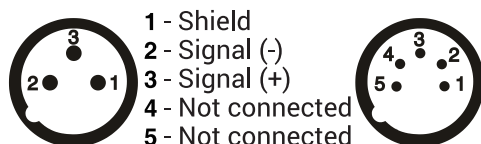
unsecured if it separates from the bracket.

DMX-512 connection/connection between fixtures

Occupation of the XLR-connection:

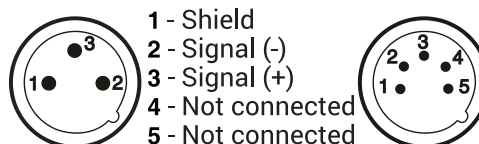
DMX - output

XLR mounting-sockets (rear view):



DMX-input

XLR mounting-plugs (rear view):



If you are using controllers with this occupation, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter-cables.

Building a serial DMX-chain:

Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

DMX-512 connection with DMX terminator:

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120 resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

Connection with the mains:

The X400 BEAM is equipped with auto-switching power supply that automatically adjusts to any 50-60Hz AC power source from 100-240 Volts.

This fixture must be earthed. To use the fixture, a plug must be fixed.

The correct assembly of a sufficient plug may be done by professional persons only.

Connect the device to the mains with the enclosed power supply cable.

The occupation of the connection cables as below:

Cable color	Connection	International
Brown	Live	L
Blue	Neutral	N
Yellow/green	Earth(Ground)	

Control Menu Map

Main Menu	Level 1	Level 2
Addr	Chan	001-512
	Prev	Previous device
	Next	Next device
MODE	DMX Ctrl	
	Auto Run	
	Scene mode	01-10, Auto
	Lamp_Ctrl	On/Off
	M/S Choose	Auto/Master/Slave
	Exit	
DISP	Language	EN / CH
	Screen Rot	Auto/Close/Open
	Screen Saver	On/Off
	DMX Indicate	Mode1/Mode2
	Screen Light	01-10
	Exit	
SCENE	Control Mode	On/Off
	Scene Select	01-10
	Scene Timer	xx:xs
	Color	000-255
	Strobe	000-255
	Dimmer	000-255
	Gobo	000-255
	Prism	000-255
	Prism.Ro	000-255
	Prism2.Ro	000-255
	Frost	000-255
	Focus	000-255
	Pan	000-255
	Pan fine	000-255
	Tilt	000-255
	Tilt fine	000-255
	XY speed	000-255
	Reset	000-255
	Lamp	000-255
	Exit	
SETUP	Pan Invert	On/Off
	Tilt Invert	On/Off
	Lamp On ST	On/Off
	P/T Rectify	On/Off
	Data Hold	On/Off
	CH mode	16CH
	Pan Offset	128
	Tilt Offset	128
	Scene Timer	001
	Reset	On/Off
	Factor Setting	On/Off
	Advance	Password: 1324
	Exit	

STATE	Channel_info	
	Light_time	xxxx:xx
	Error_logging	
	Version	At.19
	Fixture_Status	
	Use_Limit	
	Exit	

DMX Protocol

16CH	Function	DMX value	Function Control
1	Color wheel	000-009	White
		010-015	White + Color1
		016-020	Color 1
		021-025	Color 1 + Color 2
		026-030	Color 2
		031-035	Color 2 + Color 3
		036-040	Color 3
		041-045	Color 3 + Color 4
		046-050	Color 4
		051-055	Color 4 + Color5
		056-060	Color 5
		061-065	Color 5 + Color 6
		066-070	Color 6
		071-075	Color 6 + Color 7
		076-080	Color 7
		081-085	Color 7 + Color 8
		086-090	Color 8
		091-095	Color 8 + Color 9
		096-100	Color 9
		101-105	Color 9 + Color 10
		106-110	Color 10
		111-115	Color 10 + Color 11
		116-120	Color 11
		121-125	Color 11 + Color 12
		126-130	Color 12
		131-135	Color 12 + Color 13
		136-140	Color 13
		141-145	Color 13 + Color 14
		146-149	Color 14
		150-191	Rainbow effects forward from fast to slow
		192-255	Rainbow effects backward from slow to fast
2	Strobe	000-009	Close
		010-103	Strobe Effect1 from fast to slow
		104-107	Open
		108-207	Strobe Effect2 from slow to fast
		208-212	Close
		213-251	Strobe Effect3, from slow to fast
		252-255	Open

3	Dimmer	000-255	0-100% dimmer
4	Gobo wheel	000-004	open
		005-009	Gobo 1
		010-014	Gobo 2
		015-019	Gobo 3
		020-024	Gobo 4
		025-029	Gobo 5
		030-034	Gobo 6
		035-039	Gobo 7
		040-044	Gobo 8
		045-049	Gobo 9
		050-054	Gobo 10
		055-059	Gobo 11
		060-064	Gobo 12
		065-069	Gobo 13
		070-128	Gobo forward change from fast to slow
		129-190	Gobo backward change from slow to fast
		191-195	Gobo1 shake from slow to fast
		196-200	Gobo2 shake from slow to fast
		201-206	Gobo3 shake from slow to fast
		207-211	Gobo4 shake from slow to fast
		212-216	Gobo5 shake from slow to fast
		217-222	Gobo6 shake from slow to fast
		223-227	Gobo7 shake from slow to fast
		228-232	Gobo8 shake from slow to fast
		233-238	Gobo9 shake from slow to fast
		239-243	Gobo10 shake from slow to fast
		244-248	Gobo11 shake from slow to fast
		249-255	Gobo12 shake from slow to fast
5	Prism	000-127	No function
		128-163	Prism1
		164-191	Prism2
		192-255	Prism1+Prism2
6	Prism Rotation	000-127	Prism Index
		128-191	Anticlockwise from fast to slow
		192-255	Clockwise from slow to fast
7	Reserve		
8	Colorful wheel/ Frost	000-063	No Function
		064-127	Frost
		128-255	Colorful wheel
9	Focus	000-255	
10	Pan	000-255	Pan Movement 0-540degree
11	Pan fine	000-255	Pan fine
12	Tilt	000-255	Tilt Movement 0-270degree
13	Tilt fine	000-255	Tilt Fine
14	Pan, Tilt Speed	000-255	Pan, Tilt movement speed from fast to slow
15	Reset	000-128	No function
		129-255	Reset

16	Lamp	000-024	No function
		025-099	Lamp off
		100-255	Lamp on

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-pressure 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.

No response to the sound

- Make sure the fixture does not receive DMX signal.
- Low frequencies (bass) should cause the unit to react to sound. Tapping on the microphone, quiet or high pitched sounds may not activate the unit.
- Check the sound sensitivity level. Make sure it is not set to a low sensitivity level.

Specifications

Model	X400 BEAM
Power supply:	AC100 - 240V, 50/60Hz
CTC:	8000K
Power consumption:	400W
Light source:	300w Lamp
Pan:	540°
Tilt:	270°
Beam angle :	0° - 1.7°
Colors wheel :	14 colors + white,With half color, flow effect.
Colorful wheel:	one colorful wheel
Frost:	1frost wheel
Static gobos wheel :	13gobos+white, shaking and bidirectional rotation.
Prism:	Two prism wheel, prism wheel independently bi-rotate, can be overlap
Power connection:	PowerCON in & out
Signal connection:	3-pin XLR in & out
DMX channels:	16
Control mode:	DMX512,Master-slave,Auto, RDM
Housing:	Colour black
Size:	388 x 252 x 491mm
N.W.:	16.5kg
Enviroment:	IP65

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

