

Quick Start Guide

# CRISTAL BEAM

100W LED BEAM| Pattern + Aperture、



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# 1. IMPORTANT SAFETY

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## Caution

To reduce the risk of fire or electric shock, do not expose this

appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



## Caution

These service instructions are for use by qualified service personnel

only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

## 1. Open-package Inspection

When you receive the product, please check whether the product is damaged during transportation, and verify that the master case includes the following parts:

Moving Head light: 1 pc  
Signal cable: 1 pc  
User's manual: 1 pc

For reasons of safety and approval (CE), any personal reconstruction and/or modification of this product is prohibited. Please note that damage caused by modifications performed manually to this device is not covered by the warranty.

This product leaves our factory in perfect condition. Please follow all notes in these operating instructions to maintain this condition and ensure the safe operation of the product.

Any damage caused as a result of non-compliance with these operating instructions voids the warranty. The manufacturer does not accept liability for

damage to property or personal injury resulting from improper handling or failure to observe these instructions.

Store these operating instructions in a safe place for later reference, and pass them to any new holder when selling, lending, or transferring this device to another party.

## 2. Instruction

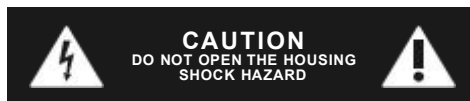
This product is a lighting effect that creates special light effects with one lamp. To generate these effects, the product must be connected to mains and a DMX-512 compatible controller.

This product is designed for 110–220V, 50/60Hz A/C operation and exclusively for indoor use.

If used for any purpose other than those described in these operating instructions, the device may suffer damage and the warranty becomes void. Any other use involves risks such as short circuits, electric shock, etc.

## 3. Safety and Maintenance:

- Indoor use only
- Make sure the equipment load-bearing structures can withstand more than 10 times the weight of the fixture when installed above ground.
- Disconnect from power supply before replacing lamp, fuse, or other accessories.
- Operate only under electrical standards with leakage protection device A/C.
- Allow the unit to cool down for 15 minutes before replacing lamps.
- Do not use accessories or parts from other companies.
- Contact your specialized dealer for any technical problems.



Please read this manual carefully before operating this product.

## 2. OVERVIEW

The 100W LED Beam combines power, precision, and color in a compact design — perfect for stages, clubs, events, and audiovisual productions.

The use of advlt features a high-intensity 100W white LED as the main beam, complemented by a 20W multi-color LED ring, delivering a sharp light output and immersive effects with a 7-color + white palette.

With 540° PAN and 270° TILT movement, the unit offers full control through DMX512 (14 channels) or in Auto, Sound, and Master/Slave modes.

The LED display with four control buttons allows easy access to settings such as sound sensitivity, speed, and strobe adjustments.

Powerful, fast, and versatile — the Beam Light is built to deliver a professional visual impact, whether used in fixed installations or mobile setups.

### Contents of the carton

- 1 × Moving Light
- 1 × Mains Lead
- 1 × User Manual
- 1 × Hanger

### Specifications:

- **Power supply:** 110–220V, 50/60Hz
- **Power consumption:** 100W
- **LED:** 1×100W LED white
- **X-axis:** 540°
- **Y-axis:** 270°
- **Gobo:** 8 gobos
- **Color:** 8 colors
- **Dimmer/Strobe:** Electronic 0–100%, 1–20/s
- **Play mode:** Auto, sound, M/S, DMX512 (14 CHs)
- **Display:** 4-button menu system, LED display making it easy to navigate
- **DMX cable:** 3-pin XLR DMX connectors
- **Power cable length:** 1.2m (IEC) IEC Output ternary power supply
- **Effect:** Pixel control of each LED, fast moving beams and color changes create the ultimate visual effect

## 3. DISPLAY INSTRUCTION:

Access control panel functions using the four panel buttons located directly underneath the LED Display.

BUTTON	FUNCTION
<MENU>	Used to access the menu or to return to a previous menu option
<UP>	Scrolls through menu options in ascending order
<DOWN>	Scrolls through menu options in descending order
<ENTER>	Used to select and store the current menu or option within a menu

When a menu function is selected, the display will show immediately the first available option for the selected menu function; to select a menu item, press "ENTER".

## 4. DISPLAY MENU

### LCD Menu Instruction

ONE-LEVEL MENU	TAOSTAGE MENU	FUNCTION DESCRIPTION	
Addr	001-512	The DMX address code setting	
Chnd	14CH	Dets number of DMX channels	
SLnd	Auto	Automatic program mode	
	Soun	Sound control program mode	
	Dmx	The DMX console mode	
Pset	No/Yes	X-axis motor in reverse: No / Yes	
Tilt	No/Yes	Y-axis motor in reverse: No / Yes	
Sens	000-100	Voice-control sensitivity adjustment	
Led	Off/On	Display screen: 30 seconds screen register / always bright	
Disp	No/Yes	Show reverse: No / Yes	
Temp	XXX	The temperature display	
Ver	V1.xx	Software version number	
Fact	No/Yes	Restore the factory Settings: No / Yes	
<b>2. Fine menu description (reset calibration)</b>			
Oset	Pan	-127~128	Manual calibrationX-axis motor position
	Tilt	-127~128	Manual calibrationPosition of Y-axis motor
	Colr	-127~128	Manual calibration of focusposition
	Gobo	-127~128	Manual calibration of rotationposition

## 5. DMX CHANNELS

### 14 Channels

CH	FUNCTION	DMX	FUNCTION
1	X-axis motor	000-255	The X-axis runs at 0° -540°
2	X-axis motor fine-tuning	000-255	X axis fine-tuning
3	Y axis motor	000-255	The Y-axis runs at 0° -270°
4	Y-axis motor fine-tuning	000-255	Y axis fine-tuning
5	The X / Y motor speed	000-255	Speed by speed
6	Light beam dimming	000-255	And 0-100% linear dimming
7	strobeflash	000-009	NF
		010-255	Synchronous strobe, from slow to fast, 1-20Hz
8	pigment	000-015	white light
		016-031	Color 1
		032-047	Color 2
		048-063	Color 3
		064-079	Color 4
		080-095	Color 5
		096-111	Color 6
		112-127	Color 7
9	pattern	128-255	The color turns clockwise, From slow to fast
		000-007	White circle
		008-015	Pattern 1
		016-023	Pattern 2
		024-031	Pattern 3
		032-039	Pattern 4
		040-047	Pattern 5
		048-055	Pattern 6
		056-063	Pattern 7
		064-073	Pattern 7 jitter
074-082	Pattern 6 jitter		
083-091	Pattern 5 jitter		
092-100	Pattern 4 jitter		
101-109	Pattern 3 jitter		
		110-118	Pattern 2 jitter
		119-127	Pattern 1 jitter
12	The aperture lamp belt Water speed	128-255	The pattern rotates clockwise, From slow to fast
		000-255	Light belt running water speed from slow to fast
13	macro	000-016	NF
		017-127	Since the effect
		128-255	Sound control effect
14	reset	000-240	NF
		250-255	Wait for 5 seconds before the motor is reset

## 6. IMPORTANT

### SETUP

Disconnect the power cord before replacing a fuse and always replace with the same type fuse.

### Fuse replacement

With a flat head screwdriver wedge the fuse holder out of its housing.

Remove the damaged fuse from its holder and replace with exactly the same type of fuse.

Insert the fuse holder back in its place and reconnect power.

The fuse is located inside this compartment, remove using a flat head screwdriver.

### Fixture Linking

You'll need a serial data link to run light shows of one or more fixtures using a DMX512 controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode.

The combined number of channels required by all fixtures on a serial data link determines the number of fixtures that the data link can support.

**Important:** Fixtures on a serial/data link must be daisy chained in one single line.

Maximum recommended serial data link distance: 100 meters (1640 ft.)

Maximum recommended number of fixtures on a serial data link: 32 fixtures.

### Data Cabling

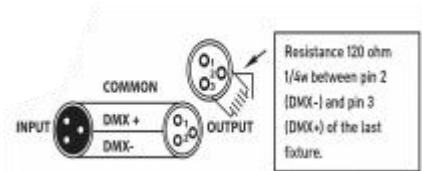
To link fixtures together you must use data cables.

If you choose to create your own cable, please use data grade cables that can carry a high-quality signal and are less prone to electromagnetic interference.

### Cable Connectors

Cabling must have a maleXLR connector on one end and a female XLR connector on the other end.

### DMX connector configuration



Termination reduces signal errors. To avoid signal transmission problems and interference, it is always advisable to connect a DMX signal terminator.

### Caution

Don't allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically.

Test cables with an ohm meter to check correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

### Setting up a DMX Serial Data Link

1. Connect the (male) 3-pin connector side of the DMX cable to the output (female) 3-pin connector of the controller.

## 6. IMPORTANT

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2. Connect the end of the cable coming from the controller, which will have a (female) 3-pin connector, to the input connector of the next fixture consisting of a (male) 3-pin connector.
3. Then, proceed to connect from the output as stated above to the input of the following fixture, etc.

returned, it is important that the fixture be returned in the original factory box and packing.

### **Sound Activated Mode**

The unit responds to sounds picked up by the built-in microphone to create a light show.

The sound changes the color and the position of the effect.

This mode enables the unit to act as a Master to other Slave units.

### **Built-in Program Mode**

As the unit can be mounted hung on a truss system or stand on a flat surface, pan, tilt and LED display settings can be reversed to provide correct coverage and ease of use.

### **Unpacking Instructions**

Immediately upon receiving a fixture, carefully unpack the carton and check the contents to ensure that all parts are present and have been received in good condition.

Notify the freight company immediately and retain packing material for inspection if any parts appear to be damaged from shipping or the carton itself shows signs of mishandling.

Keep the carton and all packing materials.

In the event that a fixture must be



experience the light.

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