

## 350W Beam Light



**CAUTION! Keep this device away from rain and moisture!**

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY  
BEFORE YOU INITIAL START - UP!

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## 1-Maintenance

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

During the operation the housing becomes hot). Allow the fixture to cool approximately 20 minutes prior to manipulate with it.

Make sure that the available voltage is not higher than stated on the rear panel.

to completely remove power from unit when not in use or before cleaning or servicing the fixture.

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

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power cord.

This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.

The electric connection, repairs and servicing must be carried out by a qualified employee.

Do not connect this device to a dimmer pack.

Do not switch the fixture on and off in short intervals as this would reduce the fixture's life.

During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.

Do not touch the device's housing bare hands during its operation (housing becomes hot)!

For replacement use fixtures and fuses of same type and rating only.



### CAUTION!

**Be careful with your operations.**

**With a high voltage you can suffer a dangerous electric shock when touching the wires!**

Attention: The powerCON is a connector without breaking capacity, i.e. the powerCON should not be connected or disconnected under load or live!

This device is a moving head for creating decorative effects and was designed for indoor use only.

This device is for professional use only. It is not for household use.

If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

Before switching the fixture OFF, turn the fixture OFF and allow the fixture to cool for a while.

Never run the device without fixture!

Do not shake the device. Avoid brute force when installing or operating the device.

Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged.

Always hold the fixture at the transport handles.

When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!

The minimum distance between light output and the illuminated surface must be more than 8 meters.

Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.

Always fix the fixture with an appropriate safety rope. Fix the safety rope at the correct holes only.

Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.

The fixture must never be ignited if the objective-lens or any housing-cover is open, as discharge fixtures may

explode and emit a high ultraviolet radiation, which may cause burns.

The maximum ambient temperature 45°C must never be exceeded.

### 3-Attention Item

- 1.For guarantee the life of product,please do not put it on the wet place and not use it the place over 40 degree.
- 2.Please don't lay the product on the un-fixable or shakable place.
- 3.Ask for the professional to maintain the product in order to avoid the danger of get an electric shock.
- 4.Power supply should not be changed over  $\pm 10\%$  while the light is using,it will be decreased the life of fixture if the power is too high,but it will be influenced the luminosity if the power is too low.
- 5.After power off,if it is need used again,please cool down over 20 minuter.
- 6.Please look round the manual for ensure the product can be used normally.

### 4-Rigging the fixture

A structure intended for installation of the fixture(s) must safely hold weight of the fixture(s) placed on it. The structure has to be certificated to the purpose.

The fixture (fixtures) must be installed in accordance with national and local electrical and construction codes and regulation.

For overhead installation, the fixture must be always secured with a safety wire that can bear at least 10 times the weight of the fixture

When rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges,under high working places and other endangered areas is forbidden.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety-relating and machine-technical installations are

approved by a skilled person once a year.

Allow the fixture to cool for ten minutes before handling.

The projector should be installed outside areas where persons may walk by or be seated.

#### IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE

including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but use a help of professional companies.

**CAUTION:** Fixtures may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do not install the fixture!

The fixture has to be installed out of the reach of public.

The fixture must never be fixed swinging freely in the room.

#### Danger of fire !

When installing the device, make sure there is no highly inflammable material (decoration articles, etc.) in a distance of min. 1 m.

The minimum distance of 8 meters between light output from the moving head and the lit objects must be kept!

#### CAUTION!

Use 2 appropriate fixtures to rig the fixture on the truss.

Follow the instructions mentioned at the bottom of the base.

Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.

The fixture can be placed directly on the stage floor or rigged in any orientation on a truss without altering its operation characteristics.

For securing a fixture to the truss, install two safety wires which can hold at least 10 times the weight of the fixture. Use only the safety wires with screw-on carabines.

The fixture is equipped with both 3-pin sockets for DMX input and output. The sockets are wired in parallel.

Only use a shielded twisted-pair cable designed for 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

### DMX - output

#### XLR mounting-sockets (rear view):



### DMX-input

#### XLR mounting-plugs (rear view):



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. Up to 32 fixtures can be connected.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator.

Solder a 120  $\Omega$  resistor between Signal (-) and Signal (+) into a 3-pin (5-pin) XLR-plug and plug it in the DMX-output of the last fixture.

## 6-Technical Specifications

Voltage: <b>AC100V ~ 240V / 50 ~ 60Hz</b>	Prism: <b>8 prisms、8+16+24 prisms</b>
Output Power: <b>350W</b>	Frost: <b>1 atomizing tablet</b>
Dmx Channel: <b>16 CH</b>	Ranbow: <b>6-color rainbow effect</b>
Scanning Angle: <b>Pan540° Tilt 270°</b>	Color Wheel: <b>14 colors + 1 white light</b>
Beam Angle: <b>2.9-3.6° degree</b>	Net Weight: <b>13.4 kg</b>
Dimmer: <b>Mechanical Double Gate Dimmer</b>	Gross Weight: <b>15kg</b>
Control: <b>DMX512,RDM, master-slave, auto, sound control</b>	Product Size: <b>52X25X31 cm</b>
Gobos: <b>13 gobos + white light (including 3 glass gobos)</b>	Package Size: <b>63x43x39 cm</b>
Function: <b>RDM, intelligent temperature control, manual scene editing</b>	

## 7-Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residues must not build up on or within the fixture. Otherwise, the fixture's light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to function reliably throughout its life.

A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

**DANGER !**

**Disconnect from the mains before starting any maintenance work**

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing the light-output very quickly. The cooling-fans should be cleaned monthly. The interior of the fixture should be cleaned at least annually using a vacuum-cleaner or an air-jet.

Remove dust and dirt from the fans and cooling vents using a soft brush and vacuum-cleaner.

**Important! Check the air filters periodically and clean before they become clogged!**

Clean two air filters placed in the fixture's covers and two in the fixture base. Use a vacuum cleaner, compressed air or you can wash them and put back dry.



## 8-Replacing the fuse.

Before replacing the fuse, unplug mains lead.

1. Remove the fuse holder on the rear panel of the base with a fitting screwdriver from the housing(anti-clockwise).
2. Remove the old fuse from the fuse holder.
3. Install the new fuse in the fuse holder (only the same type and rating).
4. Replace the fuse holder in the housing and fix it.

## Checking plastic parts of the fixture.

The plastic parts of the fixture should be checked for damages and beginning cracks at least every two months.

In addition, the plastic part of the front lens has to be checked mechanically (by means of movement by the plastic part) if it is firmly fastened to the fixture. If hint of a crack is found on some plastic part, do not use the fixture until the damaged part will be replaced.

Cracks or another damages of the plastic parts can be caused by the fixture transportation or manipulation and also ageing process may influence plastic materials.

This checking is necessary for both fixed installations and preparing fixtures for renting. Any free moving parts inside of the fixture head, cracked plastic or any plastic part of front lens not sitting properly in place need to be immediately replaced.

## 9-Control menu

Turn on the fixture, press the MENU button to enter the menu mode, use the UP/DOWN button to find the menu, when the preset menu is displayed on the display, press the ENTER button to confirm, use the UP/DOWN button to select the submenu, press the ENTER button to save the setting or Automatically return to the previous menu. Press the MENU button to return, or wait for 30 seconds to automatically exit the menu mode.

<b>DMX mode</b>	Console mode, receive DMX signal, RDM signal	
<b>Auto mode</b>	The lamps run automatically according to the built-in program	
<b>Sound mode</b>	When the luminaire detects a strong sound, the luminaire automatically runs a scene according to the built-in program, otherwise it keeps the last scene	
<b>Scene 01</b>	Runs in the set scene mode, supports custom editing of up to 10 scenes	
	<b>1~10</b>	output the specified scene
	<b>Auto</b>	Automatically loop and output scenes in the order of the set scene time (non-zero), and the scene with time of 0 is automatically skipped and ignored
<b>Master Slave</b>	It takes effect when not in DMX mode, select the data output mode, the lamp automatically detects the DMX state and automatically switches the output to prevent data conflict	
	<b>Master</b>	The light fixture operates as built-in, if there is no DMX signal, it will output data (synchronization), otherwise it will not output data
	<b>Slave</b>	The lamps operate as built-in and do not output data (do not synchronize with other lamps)
	<b>Auto</b>	If there is no DMX signal, the luminaire operates as built-in, otherwise, the luminaire operates as the DMX signal
<b>Bulb</b>	(Bulb light source) A confirmation dialog box will pop up, select "SURE" to confirm the current operation, turn on or off the light bulb, and the switching time interval is limited to 30 seconds	
	<b>Off</b>	The current lamp output is already off
	<b>On</b>	The current light output is already on

The scene mode is suitable for a single or a small number of lamps. You only need to output a fixed scene, or you need to run a simple program. You can edit it in the scene page without connecting to the console.

If the light source of the lamp is a light bulb, after turning off the light bulb, please wait 10 minutes before turning on the light bulb.

## 10-Panel Display Settings

The lamps support Chinese and English bilingual, upside-down display, etc., enter the corresponding parameter settings as shown in Figure 6-3, and the specific menu contents are shown in the following table:

Language	Set the displayed	
	English	English display
	中文	Chinese display
Screen protection	Set the display content or mode of the screen after the screen has no operation within 30 seconds	
	Off	Keep the last action page, bright screen
	Mode 1	Out of the screen
	Mode 2	Black screen, showing the address code of the current lamp in the lower left corner
	Mode 3	Display trademark information, address code and operation mode
Screen Reverse	Sets the display direction of the screen	
	Off	Do not reverse the display
	On	Reverse display
	Auto	Automatically detect the hanging light direction of the lamp, and automatically switch the display direction
DMX indicate	Set the indicator of DMX signal indicator	
	Mode 1	Bright with signal, no signal out
	Mode 2	Out when signal, bright when no signal
	Mode 3	Flash with signal, extinguish with no signal
The signal	Set the brightness of the signal indicator lamp	

<b>indicates brightness</b>	<b>1~10</b>	10 level
<b>Screen backlight</b>	Set the brightness of the screen backlight after 10 seconds without operation, fully bright during operation	
	<b>1~10</b>	10 level

## 11-Set the operating parameters

Enter the following page to adjust the field parameters of lamps to facilitate the field installation of lamps:

<b>Pan Inverse</b>	Set the direction of the Pan rotation	
	<b>Off</b>	<b>Don't reverse</b>
	<b>On</b>	<b>Reverse</b>
<b>Tilt Inverse</b>	Set the direction of the Tilt rotation	
	<b>Off</b>	<b>Don't reverse</b>
	<b>On</b>	<b>Reverse</b>
<b>P/T Rectify</b>	Set whether the lamp will detect the XY misstep and correct it	
	<b>Off</b>	<b>No correct position after misstep</b>
	<b>On</b>	<b>Automatic correct position after loss of step</b>
<b>Pan Offset</b>	Set the position of the Pan	
	<b>4~150</b>	
<b>Tilt Offset</b>	Set the position of the Tilt shaft	
	<b>4~48</b>	
<b>Date hold</b>	Set the output state of the lamp when the lamp has no DMX signal	
	<b>Off</b>	With no signal, the motor and light source return to the position and state when the reset is completed
	<b>On</b>	No signal, maintain the last frame of DMX data output

<b>Lamp when</b>	Set the way the bulb turns on for the first time after being powered on	
	<b>Power on</b>	Turn on the bulb after powering on, and reset the lamp after 30 seconds
	<b>Reset on</b>	Return the lamp after 3 seconds, and turn on the bulb after the reset is completed
	<b>Manual on</b>	After the reset is complete, open the bulb manually through the menu or console
<b>Factory Setting</b>	After selecting "SURE", the lamp parameters return to the factory settings	

When choosing the electric bubble mode, the lamp will wait for the bulb for 30 seconds for the bulb to fully start, and the internal voltage is stable enough, and then start the reset program. If the field power capacity is stable, it is recommended to open the electric bulb mode.

When the lamp cannot correct the position, first check whether the optical coupling correction is turned off.

When removing the signal, if the lamp position is not output as expected, check the Data Hold setting first.

When setting XY offset, after setting, first control XY with the maximum stroke to check the setting, XY will not hit the positioning rod or shell.

## 12-DMX512 mode

Enter the [Mode](#) mode, select DMX512, press the OK button to confirm, use the  $\uparrow \downarrow$  buttons to run DMX512 mode.

## 13-DMX address code

Select the [Addr](#), press the OK button to confirm, the current DMX address will be displayed on the display. Use the  $\uparrow \downarrow$  button to select the address 001~512, and press the OK button to save. Press the  $\leftarrow$  button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

## 14-DMX last state

Select the last state of DMX, press the OK button to confirm, the current mode will be displayed on the display, select by the  $\uparrow \downarrow$  button: standby (the fixture will enter standby mode when the DMX signal stops), hold (the fixture will keep the last when the DMX signal stops the machine) State) or manual (after selecting this mode, the machine will automatically read the parameters in the "manual mode" mode for operation), press the OK button to save. Press the  $\leftarrow$  button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

## 15-Observe the DMX channel value

Select to observe the DMX channel value, press the OK button to confirm, the current channel and its value will be displayed on the screen. Use the  $\uparrow \downarrow$  button to view other channel values. Press the  $\leftarrow$  button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

## 16-DMX Channel

### DMX Channel Summary-16 Channels Mode

Chanel	Name	Value	Description
<b>CH1</b>	<b>Pan</b>	0-255	0-540°
<b>CH2</b>	<b>Tilt</b>	0-255	0-270°
<b>CH3</b>	<b>Pan fine</b>	0-255	0-2°
<b>CH4</b>	<b>Tilt fine</b>	0-255	0-1°
<b>CH5</b>	<b>P/T speed</b>	0-255	From fast to slow
<b>CH6</b>	<b>Frost</b>	0-127	No function
		128-255	Insert atomization
<b>CH7</b>	<b>Strobe</b>	0-3	No function
		4-103	From slow to fast

		104-107	Open
		108-207	From slow to fast
		208-212	Open
		213-251	From slow to fast
		252-255	Open
<b>CH8</b>	<b>Dimming</b>	0-255	0-100% dimming
<b>CH9</b>	<b>Color</b>	0-4	White
		5-9	White + Color 1
		10-14	Color 1
		15-19	Color 1 + Color 2
		20-24	Color 2
		25-29	Color 2 + Color 3
		30-34	Color 3
		35-39	Color 3 + Color 4
		40-44	Color 4
		45-49	Color 4 + Color 5
		50-54	Color 5
		55-59	Color 5 + Color 6
		60-64	Color 6
		65-69	Color 6 + Color 7
		70-74	Color 7
		75-79	Color 7 + Color 8
		80-84	Color 8
		85-89	Color 8 + Color 9
		90-94	Color 9
		95-99	Color 9 + Color 10
		100-104	Color 10
		105-109	Color 10 + Color 11
		110-114	Color 11
		115-119	Color 11 + Color 12
		120-124	Color 12

		125-129	Color 12 + Color 13
		130-134	Color 13
		135-139	Color 13 + Color 14
		140-144	Color 14
		145-149	Color 14 + White
		150-202	Clockwise rotation
		203-255	Anticlockwise rotation
<b>CH10</b>	<b>Gobo</b>	0-4	White
		5-9	Gobo1
		10-14	Gobo2
		15-19	Gobo3
		20-24	Gobo4
		25-29	Gobo5
		30-34	Gobo6
		35-39	Gobo7
		40-44	Gobo8
		45-49	Gobo9
		50-54	Gobo10
		55-59	Gobo11
		60-64	Gobo12
		65-69	Gobo13
		70-125	Clockwise rotation
		126-130	Stop
		131-190	Anticlockwise rotation
		191-195	Shake Gobo1
		196-200	Shake Gobo2
		201-205	Shake Gobo3
		206-210	Shake Gobo4
		211-215	Shake Gobo5
		216-220	Shake Gobo6
		221-225	Shake Gobo7



		226-230	Shake Gobo8
		231-235	Shake Gobo9
		236-240	Shake Gobo10
		241-245	Shake Gobo11
		246-250	Shake Gobo12
		251-255	Shake Gobo13
<b>CH11</b>	<b>Prism 1</b>	0-127	No function
		128-255	Prism 1 on
<b>CH12</b>	<b>Prism 2</b>	0-127	No function
		128-255	Prism 2 on
<b>CH13</b>	<b>Prism rotating</b>	0-127	Rotating 0-400°
		128-187	Clockwise rotation
		188-195	Stop
		196-255	Anticlockwise rotation
<b>CH14</b>	<b>Rainbow</b>	0-127	No function
		128-255	Rainbow Effect on
<b>CH15</b>	<b>Focus</b>	0-255	Focusing gobo
<b>CH16</b>	<b>Reset</b>	100-105	Turn off the lamp after 6 seconds
		200-205	Turn on the lamp after 6 seconds
		210-215	Reset P/T after 6 seconds
		220-235	Return the effect motor after 6 seconds
		240-255	Reset after 6 seconds

## 20-Fault handling

A. The fixture does not work, there is no light, and the fan does not run

1. Check the power contact.
2. Check the voltage.

B. Control of uncontrolled stations

1. Check whether the DMX signal connector and signal cable are connected correctly.
2. Check whether the address code setting is correct.
3. If the DMX signal transmission is intermittent, check whether the XLR socket and the signal cable are well connected.
4. Try it with other controllers.
5. Check if the distance between the DMX signal line and the high-voltage line is too close, otherwise it will damage or interfere with the signal circuit.

C. A channel fails

1. The stepper motor or motor lead may be damaged.
2. The drive circuit of the motor may be damaged.

## 21-Accessories list

Quick lock x 2

Power cable x 1

Dmx512 cable x 1

Manual x 1