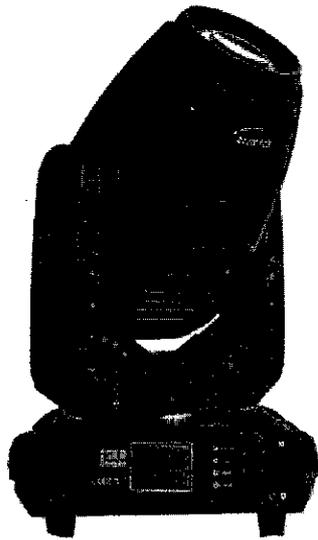


280W Beam&Spot&Wash Moving head

User Manual



This manual contains important information, please read before operating fixture.

Unpacking: Thank you for purchasing 280WBeam+Spot+wash moving head. Every unit has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without first contacting.

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE POWERING OR INSTALLING THIS ITEM. SAVE IT FOR FUTURE REFERENCE.

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

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

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufactureswarranty. In the unlikely event your unit may require service please contact the manufacturer or your dealer.

PLEASE recycle the shipping carton whenever possible.

General Instructions: To optimize the performance of this product, please read these operating instructions carefully to familiarize youwith the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit.

Safety Precautions

To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Do not spill water or other liquids into or on to your unit.

Be sure that the local power outlet match that of the required voltage for your unit.

Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is

used to reduce the risk of electrical shock and fire in case of an internal short.

Disconnect from main power before making any type of connection.

Do not remove the cover under any conditions. There are no user serviceable parts inside.

Never operate this unit when it's cover is removed.

Never plug this unit in to a dimmer pack.

Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.

Do not attempt to operate this unit, if it becomes damaged.

This unit is intended for indoor use only; use of this product outdoors voids all warranties.

During long periods of non-use, disconnect the unit's main power.

Always mount this unit in safe and stable matter.

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.

Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See "Cleaning" for details.

Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

The fixture should be serviced by qualified service personnel when:

- A.The power-supply cord or the plug has been damaged.
- B.Objects have fallen, or liquid has been spilled into the appliance.
- C.The appliance has been exposed to rain or water.
- D.The appliance does not appear to operate normally or exhibits a marked change in performance.

Technical Specifications

Electrical

Power supply:electronic auto-ranging
Input voltage range: supply 100-250V, 50/60Hz
Power consumption: 470W

Optic

Light source: YODN 280 R10 lamp/OSRAM P-VIP 280
LED life expectancy: 2200 hours
Lens: High precision optical lens
Strobe: Dual lens strobe (0.5-9times/second)
Dimmer: Smooth dimmer from 0-100%

Feature

Color: wheel :13 color+white
Rotating gobo wheel: 9 gobos+ white
Static gobo wheel: 14 fixed gobos+white
Prism 1: 8-facets circular rotating prism
Prism 2: 6-facets linear rotating prism
Zoom: 2.5°-20°
Focus: Linear adjustment

Motorized

Pan/Tilt
Pan movement range: 540°
Tilt movement range: 270°
8bit/16 bit movement solution, optional Automatic
Pan/Tilt position correction Pan movement 0°-540°atmax.....
Tilt movement 0°-270°at max.....

LCD operation

LCD operation
Built-in demo sequences
Silent fans cooling
Strong two-phase motors Stand-alone operation
Supported protocols: DMX512
2 DMX modes (16/24 control channels)

Connection

DMX data in/out: Locking 3-pin and 5-pin XLR

AC power input: 1.5m power cord with plug

Rigging

Mounting points: 2 pairs of 1/4-turn locks

Mounting horizontally or vertically via 2 Omega brackets

Temperatures

Maximum ambient temperature: 45°C

Maximum housing temperature: 75°C

Minimum distances

Min. distance from flammable surfaces: 3.0m

Min. distance to lighted object: 2.0m

Dimension: 386(L) x 365(W) x 589(H) mm

Weight (net): 16kg

Warranty: 1 Year

Set Up:

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for unit. The model is Auto power supply. It is workable in 100-250V/50~60Hz. Please make sure your unit voltage matches the wall outlet voltage before attempting to operate you fixture.

Connection to the mains

For protection from electric shock, the fixture must be earthed!

Install a suitable plug on the power cord, note that the cores in the power cord are colored according to the following table. The earth has to be connected!

If you have any doubts about proper installation, consult a qualified electrician.

Core (EU)	Core (US)	Connection	Plug Terminal Marking
Brown	Black	Live	L
Light blue	White	Neutral	N
Yellow/Green	Green	Earth	

DMX512 connection

The fixture is equipped with both 3-pin and 5-pin XLR sockets for DMX input and output. The sockets are wired in parallel.

Only use a shielded twisted-pair cable designed for RS-485 and 3-pin or 5-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 Linking: To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing.

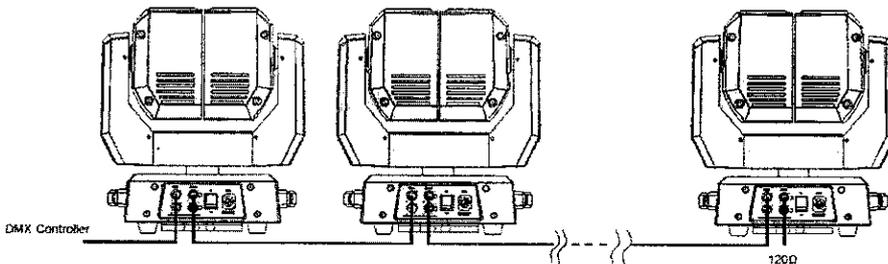
For example; a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to

send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

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.

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



Operating Modes: You can use Beast280 (Beam+Spot) in 4 ways:

Auto Mode - The unit will automatically chase through the different colors and built-in programs.

Slave Mode – The unit will run under slave mode.

DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.

Sound control mode- When music play. The unit will work with music beat.

DMX Mode: Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individualneeds. This function also allows you to use your fixtures as spot lights.

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. The Beast 280 (Beam+Spot) has 16/24 two DMX channels to operate. Please see "DMX Values and Functions" for the DMX traits.
3. To run your fixture in DMX mode, plug in the fixture via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

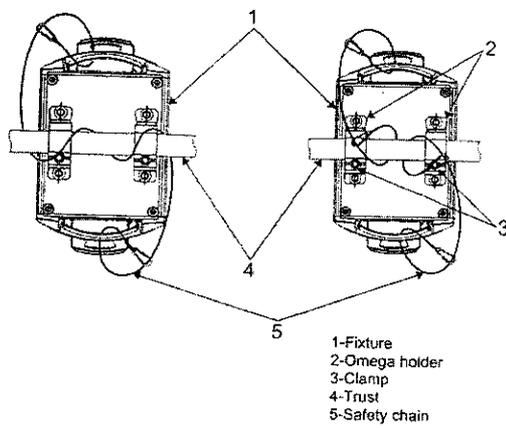
Hanging Drawing:

CAUTION!

Use an appropriate clamp to ring the fixture on the truss. Follow the instructions mentioned at the bottom of the base.

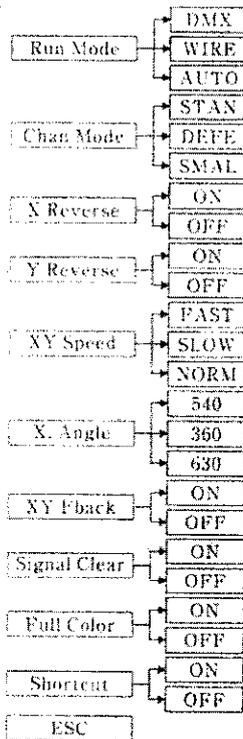
Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.

Securing the fixture via one safety wire Securing the fixture via two safety wires

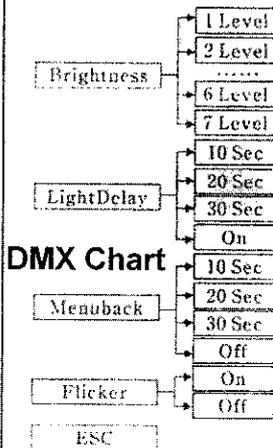


Menu Map

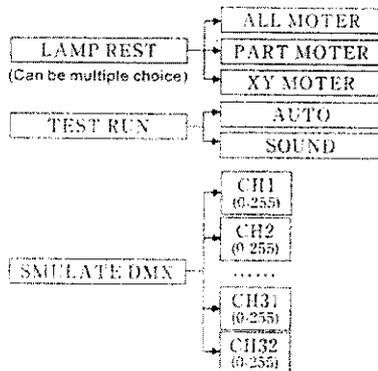
1. FEATURES SETTING



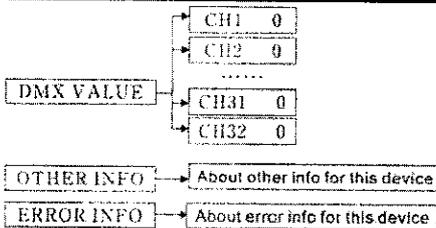
4. DISPLAY SETTING



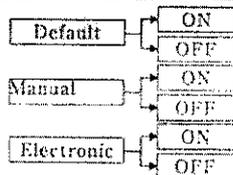
2. MANUAL



3. SYSTEM INFO



5. LAMP SETTING (Can be multiple choice)



6. REVERSAL

Click on the window reverse phase

7. LANGUAGE

Chinese/English can be optional

8. ESC

Click to return to the original interface

Standard Mode	Reduced Mode	DMX Value	Function	Description
1	1	0-255	Pan	Pen
2	*	0-255	Pan Fine	Pen Fine
3	2	0-255	Tilt	Tile
4	*	0-255	Tilt Fine	Tile Fine
5	3	0-255	Pan/Tile Speed	Pan/Tile Speed Fast-Slow
6	4	0-19	Macro	No Function
		20-24		Energy Saving Mode(230W)
		25-129		No Function
		130-139		Lamp On
		140-149		Pan/Tilt Reset
		150-159		No Function
		160-169		Effect Reset
		170-199		No Function
		200-209		Fixture Reset
		230-239		Lamp Off
		240-255		No Function
7	5	0-2	Color Wheel	White
		3-13		Light Red arbitrarily
		14-22		Deep Blue arbitrarily
		23-31		Yellow arbitrarily
		32-40		Green arbitrarily
		41-49		Fuchsine arbitrarily
		50-58		Light yellow arbitrarily
		59-67		Red arbitrarily
		68-76		Deep yellow arbitrarily
		77-85		Pink arbitrarily
		86-94		Light Blue arbitrarily
		95-103		Light Green arbitrarily
		104-113		Warm arbitrarily
		114-122		Fluorescence arbitrarily
		123-129		White
		130-134		Light Red
		135-138		Deep Blue
		139-143		Yellow
		144-147		Green
		148-152		Fuchsine

		153-157		Light yellow
		158-161		red
		162-166		Deep yellow
		167-171		Pink
		172-176		Light blue
		177-180		Light green
		181-185		Warm
		186-189		fluorescence
		190-215		Rotating Color-Wheel backwards Fast-Slow
		218-243		Rotating Color-Wheel forwards Slow-Fast
		244-255		Sound Control-Chang
8	*	0-255		Colour fine
9	6	0-255		Gobo speed
10	7	0-3	Static Gobo Wheel	NO
		4-9		Gobo1
		10-15		Gobo2
		16-21		Gobo3
		22-27		Gobo4
		28-33		Gobo5
		34-39		Gobo6
		40-45		Gobo7
		56-51		Gobo8
		52-57		Gobo9
		58-63		Gobo10
		64-69		Gobo11
		70-75		Gobo12
		76-87		Gobo13
				Gobo of swing
		88-95		Gobo1
		96-103		Gobo2
		104-111		Gobo3
		112-119		Gobo4
		120-127		Gobo5
		128-135		Gobo6
136-143	Gobo7			
144-151	Gobo8			
152-159	Gobo9			

		160-167		Gobo10
		168-175		Gobo11
		176-183		Gobo12
		184-191		Gobo13
		192-199		White
		200-221		Static Gobo Fast-Slow
		224-243		Static Gobo Slow-Fast
		244-255		Auto
11	8	0-4	Rotating Gobo Wheel	NO
		5-7		Gobo1
		8-10		Gobo2
		11-13		Gobo3
		14-16		Gobo4
		17-19		Gobo5
		20-22		Gobo6
		23-25		Gobo7
		26-28		Gobo8
		29-31		Gobo9
				Gobo of rotate
		32-34		Gobo1
		35-37		Gobo2
		38-40		Gobo3
		41-43		Gobo4
		44-46		Gobo5
		47-49		Gobo6
		50-52		Gobo7
		53-55		Gobo8
		56-58		Gobo9
				Gobo Of swing
		60-67		Gobo1
		68-75		Gobo2
		76-83		Gobo3
		84-91		Gobo4
		92-99		Gobo5
		100-107		Gobo6
		108-115		Gobo7
		116-123		Gobo8
		124-129		Gobo9
	Gobo Of swing and rotate			

		130-137		Gobo1
		138-145		Gobo2
		146-153		Gobo3
		154-161		Gobo4
		162-169		Gobo5
		170-177		Gobo6
		178-185		Gobo7
		186-193		Gobo8
		194-199		Gobo9
		200-221		Rotating Gobo-Wheel Forwards Fast-Slow
		224-243		Rotating Gobo-Wheel Forwards Slow- Fast
		244-255		Auto
12	9	0-255	Rotating	Adjusting angle and rotate
13	*	0-255	Gobo	Adjusting angle low
14	10	0-19	Prism	No Function
				6-facet Round Prism
		20-49		Adjusting angle
		50-75		rotate
				8-facet Round Prism
		76-104		Adjusting angle
		105-127		rotate
				6-facet Round Prism and gobo
		128-135		Effect 1
		136-143		Effect 2
		144-151		Effect 3
		152-159		Effect 4
		160-167		Effect 5
		168-175		Effect 6
		176-183		Effect 7
		184-191		Effect 8
		192-199		Effect 9
				8-facet Round Prism and gobo
		200-207		Effect 1
		208-215		Effect 2
216-223	Effect 3			
224-231	Effect 4			
232-239	Effect 5			

		240-247		Effect 6
		248-255		Effect 7
15	11	0-127	Rotating Prism	Adjusting angle and rotate
16	12	0-64	Frost	No Function
		65-255		Frost Small-Big
17	13	0-255	Zoom	Zoom
18	*	0-255	Zoom Fine	Zoom Fine
19	14	0-255	Focus	Focus
20	*	0-255	Focus Fine	Focus Fine
21	*	0-255	No Function	No Function
22	15	0-31	Strobe	Strobe Off
		32-63		Strobe On
		64-95		Strobe Slow-Fast
		96-127		Strobe On
		128-143		Slow Close/Fast Open
		144-159		Fast-Slow
				Fast Open/Slow Close
		160-191		Slow-Fast
		192-223		Strobe On
224-255	Random Strobe Slow-Fast			
23	16	0-255	Dimmer	Linear Dimming 0-100%
24	*			No Function

Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

TROUBLE SHOOTING: Listed below are a few common problems the user may encounter ,with solutions

Unit not responds to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 5 may be 'hot'). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs areconnected.

PLEASE Note: All information is subject to change without prentice !