

User Manual

Vari Spot 300 CMY



Check that the unit has not been damaged during transport



Read all cautions and warnings
prior to operation of this
equipment

Protection Against Fire



Fire

1. Maintain a minimum of 1 50cm distance from any type of flame
2. Replace fuse only with the specified type and rating
3. Do not install the unit to close a heat source
4. Make sure cable are properly secured away from unit movement
5. Maximum surface operating temperature 80°

Protection Against Electrical



Electrical

1. Disconnect power before servicing
2. The unit must be earthed (electronically grounded)

Protection Against Mechanical Hazards



Mechanical

1. Use safety chain when hanging unit
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock



Main Power Connection

Caution!

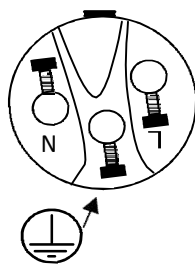
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V
3. automatically This unit must be earthed. (Electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

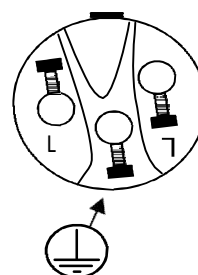
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to 60Hz

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground		

110V
Connection



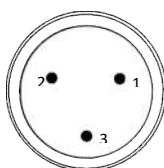
220V
Connection



DMX-512 Connection

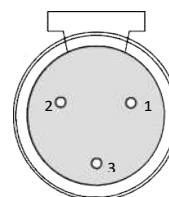
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



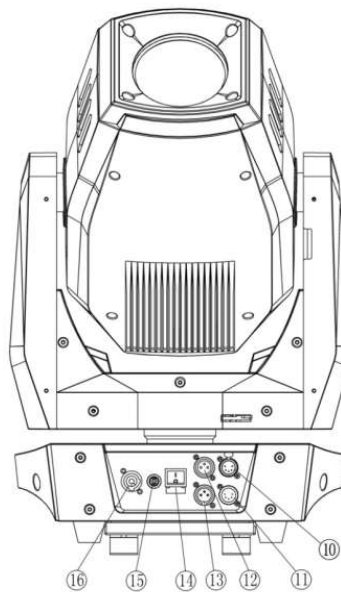
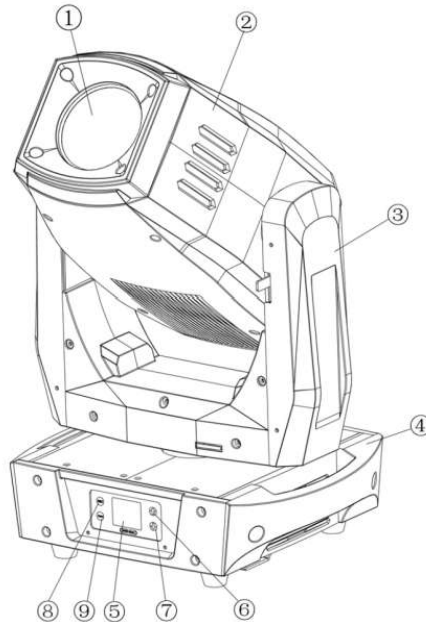
1. Shield
2. Signal (-)
3. Signal (+)

DMX—output



Fixture Instruction

- ① Lens
- ② Head
- ③ Arm
- ④ Bottom
- ⑤ LCD Display
- ⑥ UP –Button
- ⑦ DOWN–Button
- ⑧ ESC-Button
- ⑨ Enter-Button
- ⑩ DMX IN(5 pin)
- ⑪ DMX OUT(5 pin)
- ⑫ DMX IN(3 pin)
- ⑬ DMX OUT(3 pin)
- ⑭ Power Switch ON/OFF
- ⑮ FASE 6A
- ⑯ POWER IN



Specification

SOURCE

- Source: 300W White LED(6000K)
- Lifetime: >20,000hrs

POWER

- Power Consumption: 450W
- Power Supply: AC 100-240V, 50 / 60Hz

OPTICAL SYSTEM

- Zoom: 11-46°linear zoom
- Focus: Motorized linear focus
- Iris: Step-less, 5-100% linear change Iris with pulse effects
- Prism: 4-facet circular rotating prism
- Frost: 1 frost filter
- Dimmer: 0-100% smoothly adjustable
- Strobe: 0-20Hz variable speed, pulse and random strobe
- Pan/Tilt: 540°/ 270°, 16 bit resolution, position memory, auto correction

COLOR

- 7 Color filters linear change
- CMY variable color mixing for infinite color possibilities

GOBOS

- 1 static Gobo Wheel with 7 metal gobos plus open
- 1 rotating Gobo Wheel with 6 interchangeable glass gobos plus open. Index, shake and bi-directionalrotation at variabel speed

CONTROL

- Control Mode: DMX512, Sound Control, Stand-alone Mode, Master/Slave Mode
- DMX Channel: 21 / 25CHs

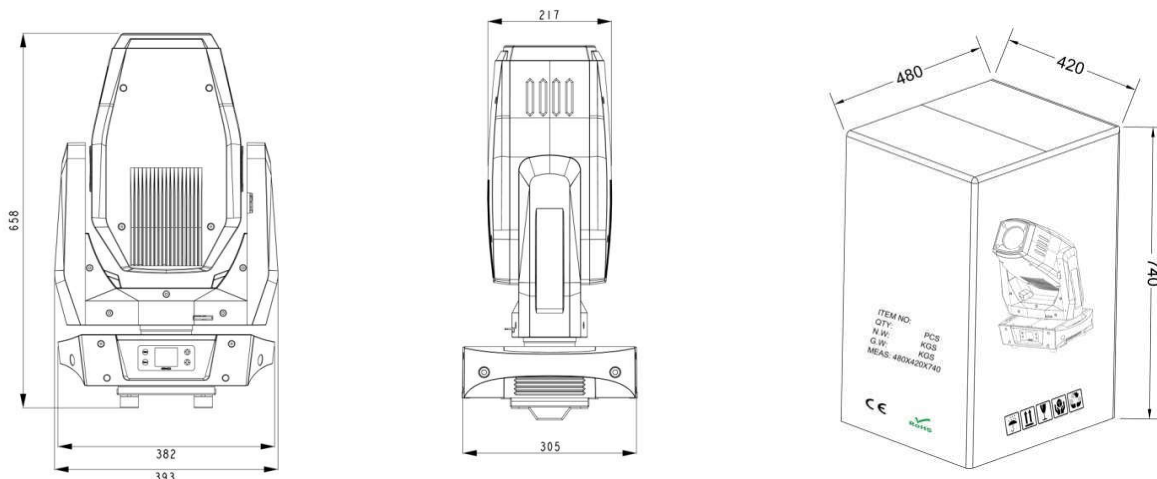
PHYSICAL

- DMX Connection: 3 pin & 5 pin XLR
- LCD Display
- PowerCON Power in

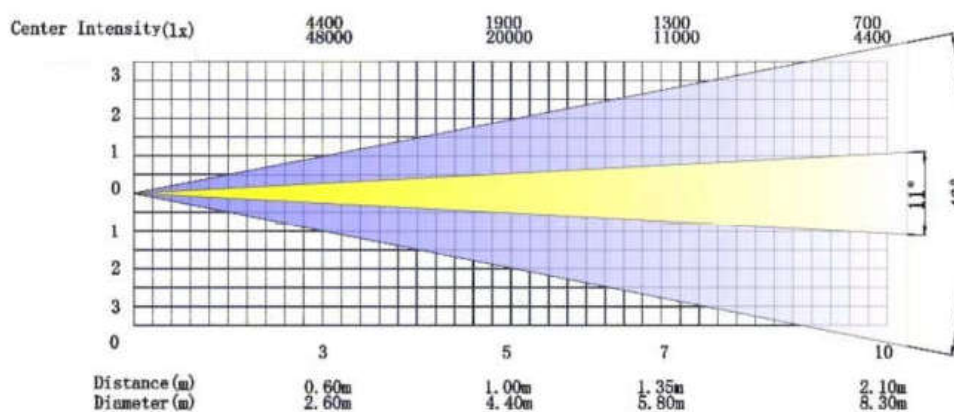
WEIGHT& DIMENSION

- Net Weight: 21.5 Kg
- Dimension: 393×305×658mm

Dimension (mm)



Photometric Data



Control Board

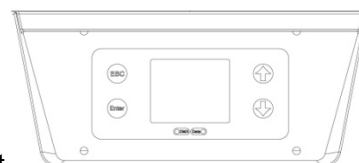
Using the display panel to set the starting DMX address or make other settings. The functions provided are described in the following sections.

【 UP 】 Scroll “Up” through the menu list or increase the value of the current function.

【 DOWN 】 Scroll “Down” through the menu list or decrease the value of the current function.

【 ESC 】 Exit from the currently selected menu.

【 ENTER 】 Enter the currently selected menu or confirm the current function value.



Colour wheel



Dark Blue



Yellow



Green



Red



Orange Red

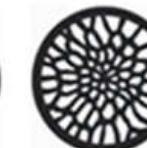


Magenta

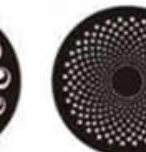
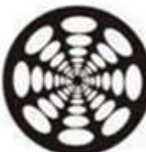


Cyan

Fixed Gobo wheel



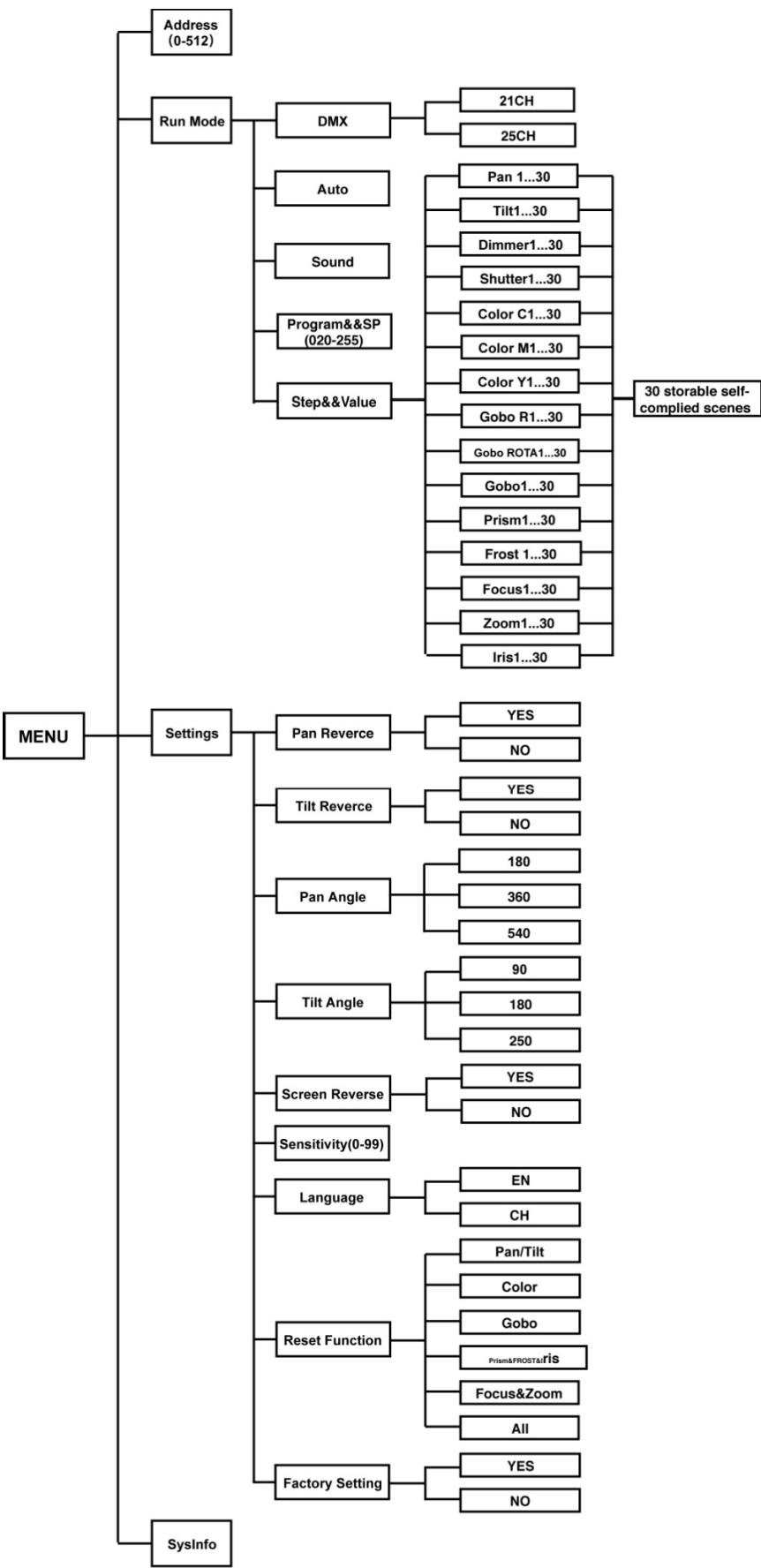
Rotating Gobo wheel



Prism Wheel



Menu Map



DMX Profile

21 DMX Channel Mode:

CH	Function	DMX	Details
1	Pan	0-255	0 to 540 degree
2	Tilt	0-255	0 to 270 degree
3	Pan/Tilt Speed	0-255	From fast to slow
4	Dimmer	0-255	Linear dimmer from dark to bright
5	Strobe	0-3	Light off
		4-7	Light up
		8-76	Strobe with the same step from slow to fast
		77-145	Strobe with pulse from slow to fast
		146-215	Strobe with random from slow to fast
		216-255	Light up
6	CMY-C	0-255	From light to dark
7	CMY-M	0-255	From light to dark
8	CMY-Y	0-255	From light to dark
9	Color C	0-7	Open
		8-255	Color gradually change
10	Color M	0-7	Open
		8-255	Color gradually change
11	Color Y	0-7	Open
		8-255	Color gradually change
12	Rotating Gobo Wheel	0-8	Open
		9-17	Gobo 1
		18-26	Gobo 2
		27-35	Gobo 3
		36-44	Gobo 4
		45-53	Gobo 5
		54-63	Gobo 6
		64-73	Gobo 6 shake, from slow to fast
		74-82	Gobo 5 shake, from slow to fast
		83-91	Gobo 4 shake, from slow to fast
		92-100	Gobo 3 shake, from slow to fast
		101-109	Gobo 2 shake, from slow to fast
		110-118	Gobo 1 shake, from slow to fast
		119-127	Open
		128-189	Forward-directional rainbow effect, from slow to fast
		190-193	Stop
		194-255	Reversed-directional rainbow effect, from slow to fast
13	Gobo Rotation	0-63	Gobo rotation orientation
		64-145	Forward-directional rotation, from slow to fast
		146-149	Stop
		150-231	Reversed-directional rotation, from slow to fast
		232-255	Gobo rotation, Bi-directional rainbow effect
14	Fixed Gobo Wheel	0-7	Open
		8-15	Gobo 1
		16-23	Gobo 2
		24-31	Gobo 3
		32-39	Gobo 4
		40-47	Gobo 5
		48-55	Gobo 6
		56-63	Gobo 7
		64-71	Gobo 7 shake, from slow to fast
		72-79	Gobo 6 shake, from slow to fast
		80-87	Gobo 5 shake, from slow to fast
		88-95	Gobo 4 shake, from slow to fast
		96-103	Gobo 3 shake, from slow to fast
		104-111	Gobo 2 shake, from slow to fast
		112-119	Gobo 1 shake, from slow to fast
		120-127	Open
		128-190	Forward-directional rainbow effect, from slow to fast
		191-193	Stop
		194-255	Reversed-directional rainbow effect, from slow to fast

21 DMX Channel Mode:

CH	Function	DMX	Details
15	Prism	0-15	No function
		16-255	Prism effect
16	Prism Rotation	0-15	No function
		31-159	Reversed-directional rotation, from slow to fast
		160-255	Forward-directional rotation, from slow to fast
17	Frost	0-255	From less to more
18	Focus	0-255	From far to near
19	Zoom	0-255	From far to near
20	IRIS	0-63	IRIS from big to small
		64-255	IRIS effect
21	Function Channels	0-7	No function
		8-15	No function
		16-23	No function
		24-31	No function
		32-39	No function
		40-47	No function
		48-55	No function
		56-87	No function
		88-95	No function
		96-111	XY reset
		112-119	Color reset
		120-127	Gobo reset
		128-135	Frost, Prism, IRIS reset
		136-143	Foucs, Zoom reset
		144-151	All reset
		152-159	No function
		160-167	No function
		168-175	No function
		176-255	No function

25 DMX Channel Mode:

CH	Function	DMX	Details
1	Pan	0-255	0 to 540 degree
2	Pan Fine Tuning 16bit	0-255	16bit adjustabe
3	Tilt	0-255	0 to 270 degree
4	Tilt Fine Tuning 16bit	0-255	16bit adjustabe
5	Pan/Tilt Speed	0-255	From fast to slow
6	Dimmer	0-255	Linear dimmer from dark to bright
7	Dimmer 16bit	0-255	16bit adjustabe
8	Strobe	0-3	Light off
		4-7	Light up
		8-76	Strobe with the same step from slow to fast
		77-145	Strobe with pulse from slow to fast
		146-215	Strobe with random from slow to fast
		216-255	Light up
9	CMY-C	0-255	From light to dark
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11	CMY-Y	0-255	From light to dark
12	Color C	0-7	Open
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		9-17	Gobo 1
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		194-255	Reversed-directional rainbow effect, from slow to fast
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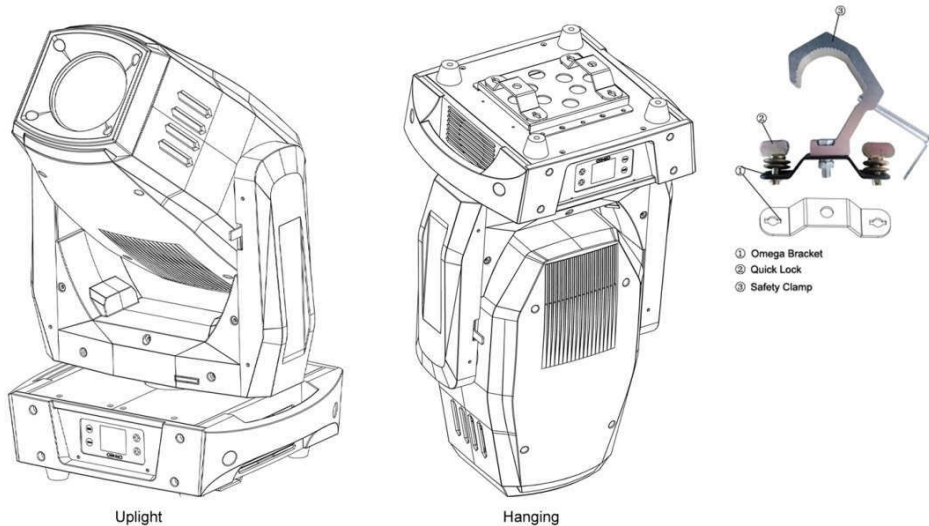
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21	Focus	0-255	From far to near
22	Zoom	0-255	From far to near
23	IRIS	0-63	IRIS from big to small
		64-255	IRIS effect
24	IRIS Fine	0-255	16bit adjustable
25	Function Channels	0-7	No function
		8-15	No function
		16-23	No function
		24-31	No function
		32-39	No function
		40-47	No function
		48-55	No function
		56-87	No function
		88-95	No function
		96-111	XY reset
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		120-127	Gobo reset
		128-135	Frost, Prism, IRIS reset
		136-143	Focus, Zoom reset
		144-151	All reset
		152-159	No function
		160-167	No function
		168-175	No function
		176-255	No function

Mounting Installation

Mounting

- The fixture can be mounted in any position.
- Always ensure that mounting surface can withstand 10 times the weight of the fixture.
- Always use a safety cable when mounting the fixture in any elevated position.

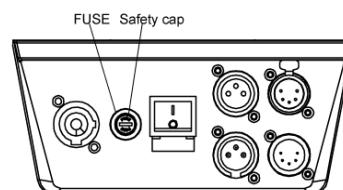


Warning!!

- Always use a safety cable when installing this unit!!
- Be sure that the safety cable is connected to a solid load-bearing structure.

Fuse Replacement

- Remove the safety cap by a screwdriver.
- Fetch the old fuse from safety cap.
- Install a new fuse.
- Install the safety cap.
- Fuse: 6A



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 off 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 unit operates (i.e. smoke, fog residue, dust, dew).

Unit not responding to DMX:

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 are connected.