

User Manual

Vari Spot 200



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

Maintain a minimum of 1 50cm distance from any type of flame

Replace fuse only with the specified type and rating

Do not install the unit to close a heat source

Make sure cable are properly secured away from unit movement

Maximum surface operating temperature 80°

Protection Against Electrical



Electrical

Disconnect power before servicing

The unit must be earthed (electronically grounded)

Protection against Mechanical Hazards



Mechanical

Use safety chain when hanging unit

Use quality clamps or bolts when positioning unit

Do not open unit while it is on, risk of electrical shock

Technical Information

Electrical

Power supply:.....electronic auto-ranging
Input voltage range:.....supply 100-250V, 50/60Hz
Power consumption:.....280W

Optic

Light source: High power 200W white LED X1pc
LED life expectancy: 60,000 hours
Lens: High precision optical lens
Strobe: Dual lens strobe (0.5-9times/second)
Dimmer: Smooth dimmer from 0-100%

Feature

Zoom: 10°-30° motorized control
Color Wheel: 7 colors +white, color fine tuning, rotation with variable direction and speed
Rotation Gobo Wheel: 7 gobos + white, wheel rotation and shake
Static Gobo Wheel: 8 gobos + white, wheel rotation and shake
Prism: 8-facet Prism, bi-directional rotatable at variable speeds
Frost: independent frost filter

Motorized

Pan movement range: 540°
Tilt movement range: 270°
8bit/16 bit movement solution, optional
Automatic Pan/Tilt position correction

LCD operation

Built-in demo sequences
Strong three-phase pan/tilt motors
Supported protocols: DMX512
2 DMX modes (16/18 control channels)

Connection

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

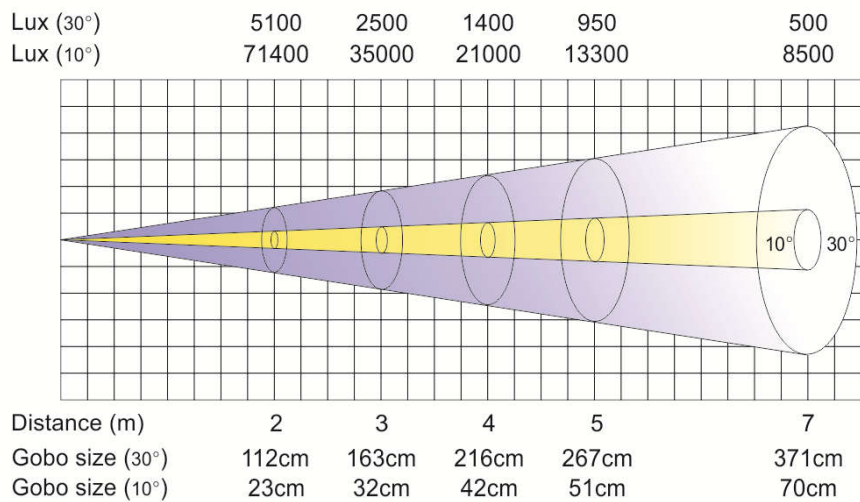
Dimension: 320(L)*220(W)*480(H)mm

Weight (net): 13.5kg

Warranty: 1 Year

Features

Photometric Data



Rotating Gobo Wheel



Static Gobo Wheel



Prism Wheel



Color Wheel



Main Power Connection

Caution!

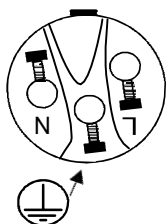
1. Do not connect the fixture to a dimmer system
2. This unit has auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (Electronically grounded)
4. Replace fuse only with the specified type and rating

The occupation of the connection-cable is as follows:

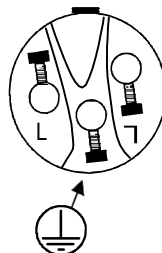
The equipment is with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

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

110V
Connection



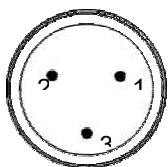
220V
Connection



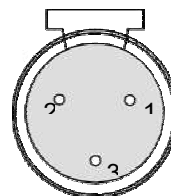
DMX-512 Connection

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 DMX—output



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



Display & Menu

Display Panel

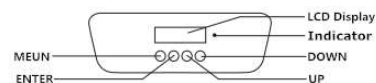
Using the display panel to set the starting DMX address and set functions. The functions provided are described in the following sections.

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

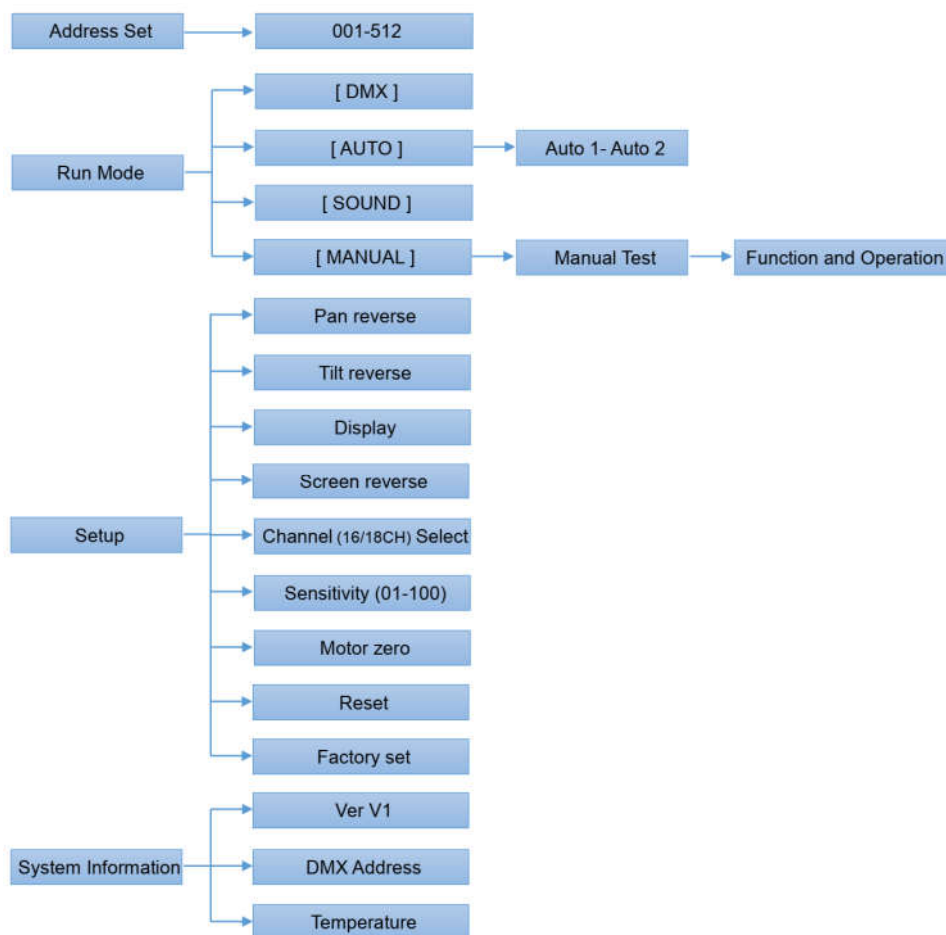
【DOWN】 Scroll “Down” through the menu list or decrease the value of the current function.

【MENU】 This key allows you turn back to main menu and select desired functions.

【ENTER】 This key allows you to confirm settings.



Manu Map



DMX Profile

| 18CH | 16CH | Function | Channel Value | Description |
|------|------|-------------------|---------------|-------------------------------|
| CH1 | CH1 | Pan | 0-255 | 0-540° |
| CH2 | / | Pan fine | 0-255 | Pan Fine |
| CH3 | CH2 | Tilt | 0-255 | 0-270° |
| CH4 | / | Tilt Fine | 0-255 | Tilt Fine |
| CH5 | CH3 | P/T Speed | 0-255 | Fast to Slow |
| CH6 | CH4 | Dimmer | 0-255 | 0-100% |
| CH7 | CH5 | Strobe | 0-7 | Open |
| | | | 8-250 | Strobe Slow to Fast |
| | | | 251-255 | Open |
| CH8 | CH6 | Color Wheel | 0-15 | Open |
| | | | 16-31 | Red |
| | | | 32-47 | Green |
| | | | 48-63 | Yellow |
| | | | 64-79 | Blue |
| | | | 80-95 | Purple |
| | | | 96-111 | Orange |
| | | | 112-127 | Cyan |
| | | | 128-191 | Forward from slow to fast |
| | | | 192-255 | Backward from slow to fast |
| CH9 | CH7 | Color effect | 0-10 | No function |
| | | | 11-209 | Color fine |
| | | | 210-255 | Color shake from fast to slow |
| CH10 | CH8 | Static Gobo Wheel | 0-6 | Open |
| | | | 7-13 | Gobo1 |
| | | | 14-20 | Gobo2 |
| | | | 21-27 | Gobo3 |
| | | | 28-34 | Gobo4 |
| | | | 35-41 | Gobo5 |
| | | | 42-48 | Gobo6 |
| | | | 49-55 | Gobo7 |
| | | | 56-63 | Gobo 8 |
| | | | 64-70 | Gobo 8 shake |
| | | | 71-77 | Gobo 7 shake |
| | | | 78-84 | Gobo 6 shake |
| | | | 85-91 | Gobo 5 shake |

| | | | | |
|------|------|---------------------|---------|----------------------------|
| | | | 92-98 | Gobo 4 shake |
| | | | 99-105 | Gobo 3 shake |
| | | | 106-112 | Gobo 2 shake |
| | | | 113-119 | Gobo 1 shake |
| | | | 120-127 | Open |
| | | | 128-191 | Forward Slow to Fast |
| | | | 192-255 | Backward Slow to Fast |
| CH11 | CH9 | Rotating Gobo Wheel | 0-15 | open |
| | | | 16-31 | Gobo1 |
| | | | 32-47 | Gobo2 |
| | | | 48-63 | Gobo3 |
| | | | 64-79 | Gobo4 |
| | | | 80-95 | Gobo5 |
| | | | 96-111 | Gobo6 |
| | | | 112-127 | Gobo7 |
| | | | 128-191 | Forward Slow to Fast |
| | | | 192-255 | Backward Slow to Fast |
| CH12 | CH10 | Gobo Rotation | 0-15 | open |
| | | | 16-95 | Gobo Fine 0-250° |
| | | | 96-135 | Gobo Rotating 0-90° |
| | | | 136-155 | Gobo Rotating 0-250° |
| | | | 156-175 | Gobo Rotating 0-360° |
| | | | 176-215 | Forward Slow to Fast |
| | | | 216-255 | Backward Slow to Fast |
| CH13 | CH11 | Focus | 0-255 | Far to Near |
| CH14 | CH12 | Zoom | 0-255 | Narrow to Wide |
| CH15 | CH13 | Prism | 0-63 | Open |
| | | | 64-255 | Prism |
| CH16 | CH14 | Prism Rotation | 0-15 | open |
| | | | 16-95 | Prism Fine 0-250° |
| | | | 96-135 | Prism Rotating 0-90° |
| | | | 136-155 | Prism Rotating 0-250° |
| | | | 156-175 | Prism Rotating 0-360° |
| | | | 176-215 | Forward Slow to Fast |
| | | | 216-255 | Backward Slow to Fast |
| CH17 | CH15 | Frost | 0-4 | No function |
| | | | 5-127 | Frost from shallow to deep |
| | | | 128-191 | Frost shake |

| | | | | |
|------|------|----------|---------|---------------|
| | | | 192-255 | Frost effect |
| CH18 | CH16 | Function | 0-7 | No Function |
| | | | 8-131 | Auto Run Mode |
| | | | 132-249 | Sound Mode |
| | | | 250-253 | Reset |
| | | | 254-255 | No Function |

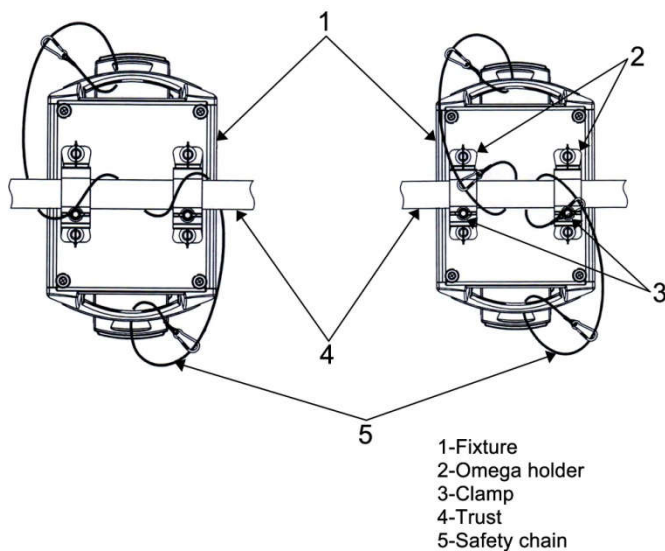
Gobo Replacement Access



Installation

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



Cleaning!

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

Use normal glass cleaner and a soft cloth to wipe off the outside casing.

Clean the external optics with glass cleaner and a soft cloth every 20 days.

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.

