

User Manual

Vari Beam 250



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 250W 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

Beam angle: 3°
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: 16-facet Prism and honeycomb 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

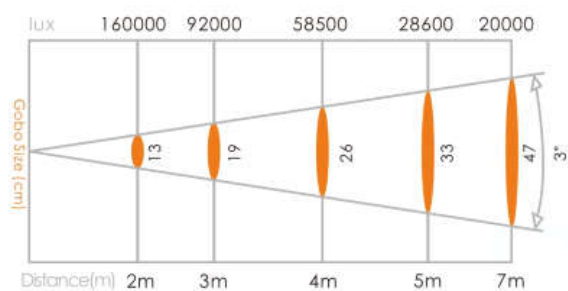
Dimension: 320(L)*220(W)*480(H)mm

Weight (net): 13.5kg

Warranty: 1 Year

Features

Photometric Data



Rotating Gobo Wheel



Static Gobo Wheel



Prism Wheel



Color Wheel



Main Power Connection

Caution!

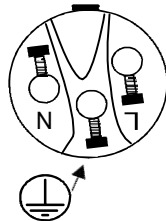
1. Do not connect the fixture to a dimmer system
2. This unit has auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (Electronically grounded)
4. Replace fuse only with the specified type and rating

The occupation of the connection-cable is as follows:

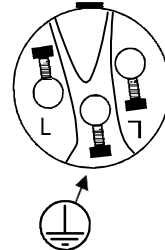
The equipment is with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to

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

110V
Connection



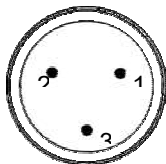
220V
Connection



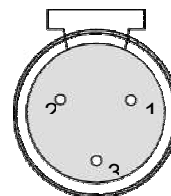
DMX-512 Connection

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

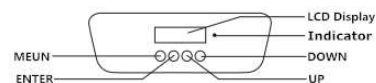
Using the display panel to set the starting DMX address and set functions. The functions provided are described in the following sections.

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

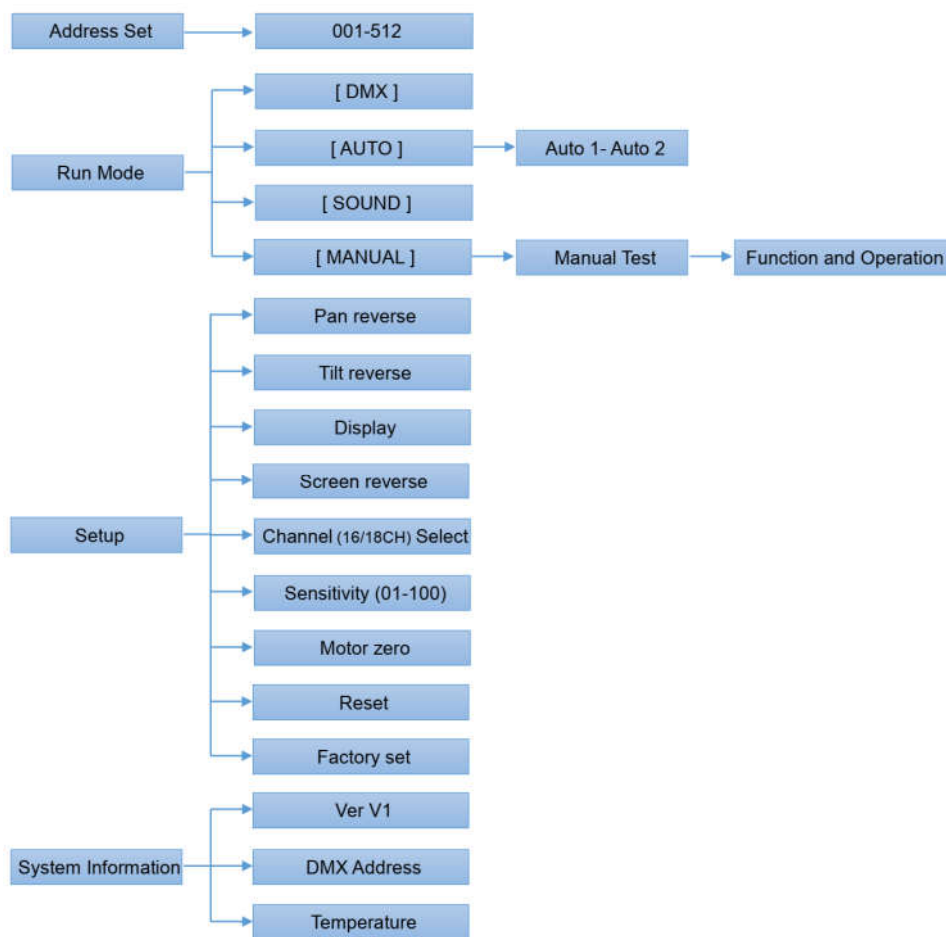
【DOWN】 Scroll “Down” through the menu list or decrease the value of the current function.

【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	Prism 1	0-63	Open
			64-255	Prism
CH15	CH13	Prism 2	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

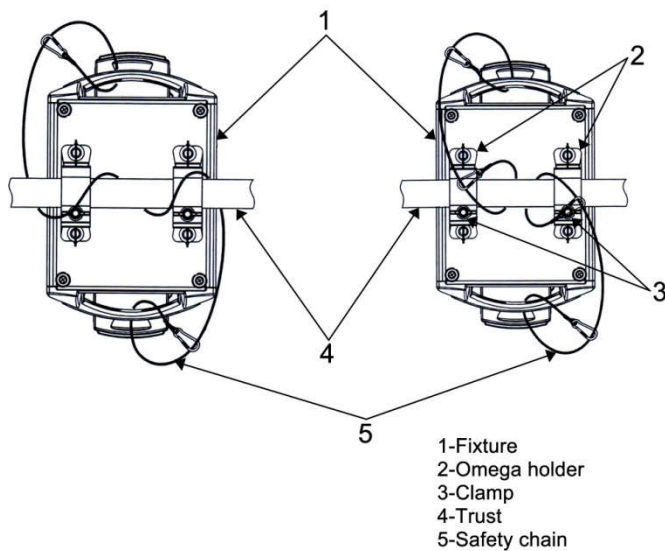
Gobo Replacement Access



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 connect