Instruction Manual

Vari Beam 230

Unpacking: Thank you for purchasing this unit. Every unit has been thoroughly tested and shipped in perfect condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit for any damage and be sure all accessories necessary to operate the unit has arrived instantly. 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 any warning.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufacturer warranty. 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 you with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit for future reference.

Safety Precautions

● 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 user serviceable parts inside.
● Never operate this unit when its rear cover is removed.
● Never plug this unit into 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.
● During long periods of non-use, disconnect the units 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 unit 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 unit 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 s marked change in performance.

WARNING:
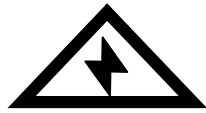
Avoid Electric Shock

High temperature of bulb

FIRE

12m | **CAUTION** RISK OF FIRE

MINIMUM DISTANCE TO FLAMMABLE MATERIAL=12M.

WARNING

DMX Linking: To ensure proper DMX data transmission, when using several DMX units try to use the shortest cable path possible. The order in which units are connected in a DMX line does not influence the DMX addressing. For example; a unit 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 unit 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.

POWER SUPPLY MAINS

Use the plug provides to connect the mains power to the projector paying attention to the voltage and frequency marked on the panel of the projector. It is recommended that each projector be supplied separately so that they may be individually switched on and off.
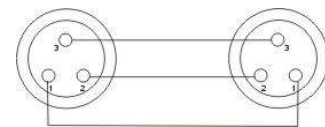
IMPORTANT

It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards. Power consumption of this projector is 400W.

Mounting bracket

Every unit can be placed on the ground or hanging installation in any position. The **fast lock system** makes it quick and simple to install bracket to four locations, see Figure:

Operating Modes: You can use the LED unit in 3 ways:

● Auto Mode-The unit will automatically chase through the different colors.

● DMX control mode – This function will allow you to control each individual units traits with a standard DMX 512 controller.

● Master-slave mode – One unit will work as the master in the one of the above three modes, other units in the chain will work in synchronization towards the master.

LCD display and button

There is one simple button beside the LCD screen controls whole operation: MENU, DOWN, ENTER, UP.

Press button to activate main menu, enter next menu or back. Turn button left to browse last options or decrease DMX value, turn right to browse next options or increase DMX value.

When the fixture is powered, resetting or connected to DMX console, the LCD display will show:

1

DMX Input OK!
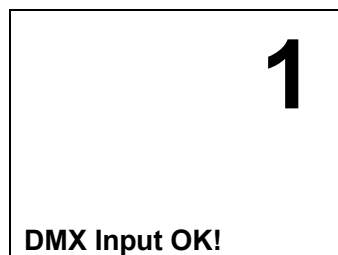
Now, the fixture is ready for work.

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Main menu
│
├── Setup
│   ├── DMX address
│   ├── Channel Mode
│   │   ├── Standard(16CH)
│   │   └── Vector(20CH)
│   └── Return (ESC)
│
├── Option
│   ├── Invert
│   │   ├── Invert Pan
│   │   │   ├── Off
│   │   │   └── On
│   │   ├── Invert Tilt
│   │   │   ├── Off
│   │   │   └── On
│   │   └── Return (ESC)
│   ├── Display
│   │   ├── Reversal
│   │   │   ├── Off
│   │   │   └── On
│   │   ├── Backlight
│   │   │   ├── Off
│   │   │   └── On
│   │   └── Return (ESC)
│   └── Return (ESC)
│
├── Information
│   ├── System Version
│   ├── Fixture Hours
│   └── Lamp Hours
│
├── Manual Control
│   ├── Lamp
│   │   ├── Off
│   │   └── On
│   └── Return (ESC)
│
├── Reset
│   ├── System Reset
│   ├── Pan/Tilt Reset
│   ├── Effect Reset
│   └── Return (ESC)
│
├── Factory Reset
│   └── Input: 0000-9999
│       Password: 2222
│       ├── Color Adjust ──→ Value: 000-255
│       ├── Gobo Adjust ──→ Value: 000-255
│       ├── Shatter Adjust ──→ Value: 000-255
│       ├── Pan Adjust ──→ Value: 000-255
│       ├── Tilt Adjust ──→ Value: 000-255
│       ├── Fan MaxSP Adjust ──→ Value: 000-255
│       └── Return(ESC)
│
└── Return(ESC)
```

Menu operation

The main menu options of Vari Beam 230 include: setup, option. Information. Manual control. Reset.

1. Setup

Enter Setup, there are DMX address, channel mode, return (ESC) for options. You can also enter channel mode to select two different modes: 1. Standard 16CH 2.Vector 20CH

2. Option

Enter "Option" , there are 3 options for Invert, Display, Return(ESC). Invert Pan, Invert Tilt, Reversal, Backlight, All of them can be activated by NO/YES.

3. Information

If you would like to know any information about this fixture, you can enter this button, system version can help you know which version you have. Fixture hours can help you know how many hours this fixture keep working. Lamp hours can help you know how many hours the lamp keeps working.

4. Manual Control

Once enter it, two options lamp and Return for your choice." Lamp ON/OFF" means to select the lamp of fixture to be on once power on or lamp on when control by console only.

5. Reset

Among reset, there are 3 different types for your choice, system reset, Pan/Tilt Reset, Effect Reset, Effect Reset, you can select any of them according to your demand. If you don't need, Please enter Return to escape.

6. Factory Reset

If you would like to do factory reset, first you need to enter this button, then coming to input for operating its number, the factory original password is 2222. Once you adjust the input number exactly be 2222, you can further proceeding. Then you will see Color Adjust, Gobo Adjust, Shatter Adjust, Pan Adjust, Tilt Adjust, Pan MaxSP Adjust for option, you can adjust its values to meet your demands.

7. Return (ESC)

The fixtures stop working

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DMX Chart

Channel	Function	DMX Value	Description
		0-4	White
		5-8	Color Half
		9-12	Color 1
		13-17	Color Half
		18-21	Color 2
		22-25	Color Half
		26-29	Color 3

		30-34	Color Half
1	Color wheel	35-38	Color 4
		39-42	Color Half
		43-46	Color 5
		47-51	Color Half
		52-55	Color 6
		56-59	Color Half
		60-63	Color 7
		64-68	Color Half
		69-72	Color 8
		73-76	Color Half
		77-81	Color 9
		82-85	Color Half
		86-89	Color 10
		90-93	Color Half
		94-98	Color 11
		99-102	Color Half
		103-106	Color 12
		107-110	Color Half
		111-115	Color 13
		116-119	Color Half
		120-123	Color 14
		124-127	Color Half
		128-191	Color forward rotation Fast to Slow
		192-255	Color backward rotation Slow to Fast
2	Strobe	0-3	Close
		4-103	Strobe Slow to Fast
		104-107	No function
		108-207	Strobe (fast close/slow open) Fast to Slow
		208-212	Open
		213-251	Random strobe Slow to Fast
		252-255	Open
3	Dimmer	0-255	OFF/ON
		0-3	Open
		4-7	Gobo1
		8-11	Gobo2
		12-15	Gobo3 .
		16-19	Gobo4 .
		20-23	Gobo5 .
		24-27	Gobo6 .
		28-31	Gobo7 .
		32-35	Gobo8 .
		36-39	Gobo9 .

		40-43	Gobo10 .
		44-47	Gobo11 .
		48-51	Gobo12 .
		52-55	Gobo13 .
4	Gobo wheel	56-59	Gobo14 .
		60-63	Gobo15 .
		64-67	Gobo16 .
		68-71	Gobo17
		72-115	Gobo backward rotation fast to slow
		116-159	Gobo forward rotation Slow to Fast
		160-166	Gobo1 Shake(slow to fast)
		167-172	Gobo2 Shake(slow to quick)
		173-179	Gobo3 Shake(slow to quick)
		180-185	Gobo4 Shake(slow to quick)
		186-191	Gobo5 Shake(slow to quick)
		192-198	Gobo6 Shake(slow to quick)
		199-204	Gobo7 Shake(slow to quick)
		205-211	Gobo8 Shake(slow to quick)
		212-217	Gobo9 Shake(slow to quick)
		218-223	Gobo10 Shake(slow to quick)
		224-230	Gobo11 Shake(slow to quick)
		231-236	Gobo12 Shake(slow to quick)
		237-243	Gobo13 Shake(slow to quick)
		244-249	Gobo14 Shake(slow to quick)
		250-255	Gobo15 Shake(slow to quick)
5	Prism	0-63	Index
		64-126	Prism backward rotation Fast to Slow
		127-128	No function
		129-191	Prism forward rotation Slow to Fast
		192-255	Prism forward/ backward rotation Slow to Fast
6	Rotating Prism	0-63	Rotation fine
		64-126	Prism rotation, forward fast-slow
		127-128	No function
		129-191	Prism rotation, backward slow-fast
		192-255	Gobo shake slow-fast
7	NO Function	0-255	
8	Frost	0-255	
9	Focus	0-255	
10	Pan	0-255	
11	Pan fine	0-255	
12	Tilt	0-255	
13	Tilt fine	0-255	

14	NO Function	0-255	
15	Reset	0-156 157-167 168-189 190-255	No function Effect Reset Complete Reset No function
16	Lamp control	0-25 26-100 101-255	No function Lamp Off Lamp On
17	Pan/Tilt speed	0-255	Fast-Slow
18	Color Speed	0 1-254 255	Fixed speed Fast-Slow Fixed speed
19	Prism speed	0 1-254 255	Fixed speed Fast-Slow Fixed speed
20	Gobo speed	0 1-254 255	Fixed speed Fast-Slow Fixed speed

Chart size:
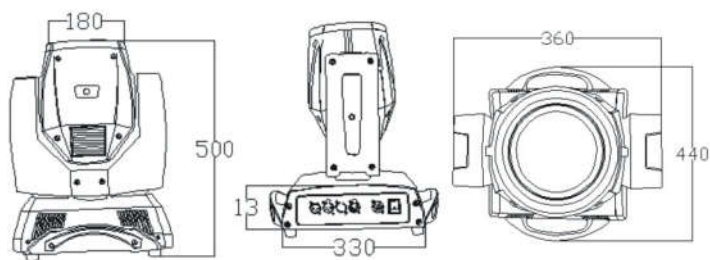
Cleaning

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).

Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

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.

4. Specifications

Model Name: Vari Beam 230

Power: 220V/50~60Hz (110V version is available upon request.)

Power consumption: 400W

Working position: Any safe working position

Lamp: Osram 230W lamp

7800K±300K, 2000 hr

Motors: 13 step motors / Cooling: Forced ventilation with axial fans.

Inputs: DMX512 signal

DMX Channels: 16/20 CHs

Pan: 540°

Tilt: 270°

Resolution:

Pan = 2.11°,

Pan Fine = 0.008°,

Tilt = 0.98°,

Tilt Fine =0.004°

Waterproof IP rating: IP20

Weight: 17Kgs

Note: All information is subject to change without prior notice.