FOS Beam CMY

Please read the manual before installing and using this light.
Keep it for future reference.

CONTENTS

CAUTION!

Please read the instructions carefully before installing and using this light.

Keep it for future reference!

[1. SAFETY INSTRUCTION]

Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

Unpack and check carefully there is no transportation damage before using the unit.

Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

The unit is for indoor use only. Use only in a dry location.

The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.

Disconnect main power before replacement or servicing.

Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

Use safety cables when fixing this unit. DO NOT handle the unit by its head only, always carry by its base.

Maximum ambient temperature is Ta: 40 degrees C. DO NOT operate it where the temperature is higher than this.

Unit surface temperature may reach up to 75 degrees C. DO NOT touch the housing with bare-hands during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

DO NOT touch any wire during operation as high voltage may cause electric shock.

Warning: To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture. The housing and lenses must be replaced if they are visibly damaged.

Caution: There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation: The fixture should be mounted via its Omega Quick Release Clamp bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating and make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the fixtures weight. Always use a safety cable that can hold 12 times of the weight of the fixture when installing. The equipment must be installed by professionals. It must be installed in a place where is out of the reach of people and no one can pass by or under it.

[2.LAMP REPLACEMENT]

Caution: Always replace with the exact same type of lamp and fuse, unless otherwise specified by a PROFESSIONAL technician. Replacing with anything other than the specified part can damage your unit and will void your manufacturer's warranty.

Warning: If you continue to blow lamps or fuses, STOP using the unit. Contact customer support for further instructions; you may have to return the unit for servicing. Continuing to use the unit may cause serious damage.

Lamp Replacement: Caution! Never attempt to change the lamp while the fixture is plugged in. Always disconnect the main power and allow the unit ample time to cool before attempting to replace the lamp. Please see page 8 for important information regarding the discharge lamp.
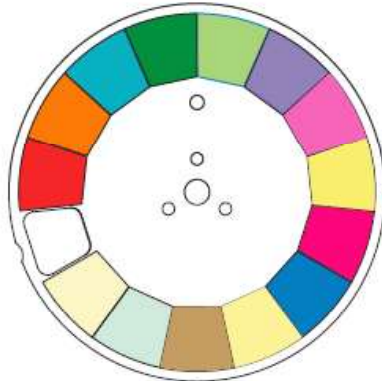
Remove the lamp panel screws located on the rear of the moving head and remove the panel. Loosen the lamp screws and carefully disconnect the lamp.

FOS technologies

[3.OVERVIEW]

COLORS & GOBOS:
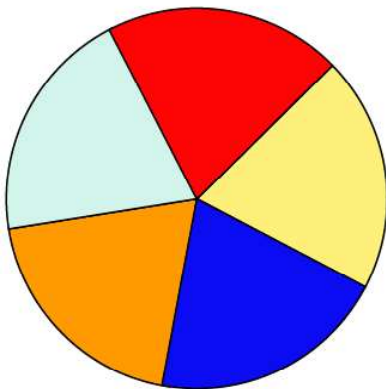
CMY Color System

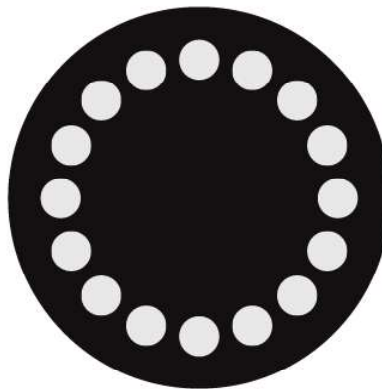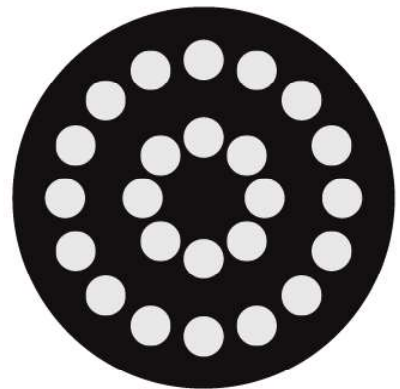**14 Colors**

17 Gobos

RAINBOW & PRISMS:

Custom Rainbow Wheel

Circular 16-facet Prism

Circular 24-facet Prism

[4.SPECIFICATION]

EFFECTS:

1) CMY color mixings, 14 Colors and Rainbow color effect
2) 17 Static Gobos
3) Circular 16-facet and 24-facet Prisms
4) Electronic Focus and Frost functions

SPECIFICATIONS:

Light Source:	PHILIPS MSD Silver 380W/2 LL Lamp, 4000 Hrs
Beam Angel:	2°, 160mm Front lens
Power Consumption:	600W
Colors:	CMY color mixings, 14 Colors and Rainbow color effect
Gobos:	17 Static Gobos
Prisms:	Circular 16-facet and 24-facet Prisms
Other Effects:	Electronic Focus and Frost functions
Input Voltage:	AC 100 ~ 240V, 50/60Hz
Movements:	Pan 540°; Tilt 270° (3-phase motor)
Channels:	20-Channels, 24-Channels
Weight:	17.50 KGs
Dimension:	335 × 240 × 519mm

DIMENSIONS:

5
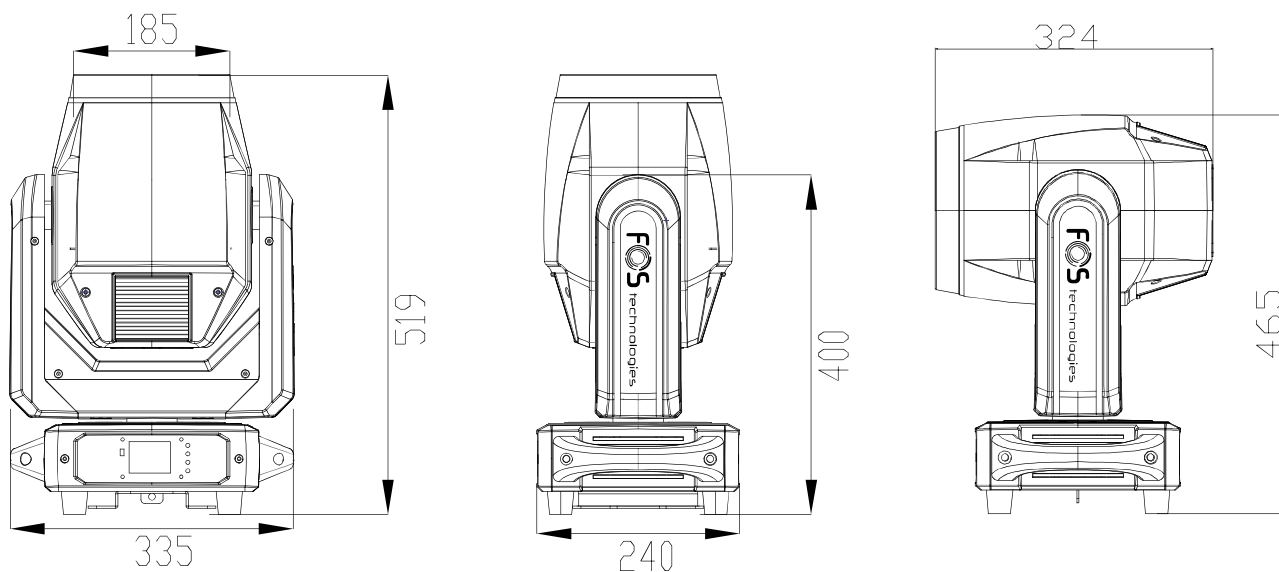
[5. OPERATIONS]

[5.1 CONTROL PANEL]
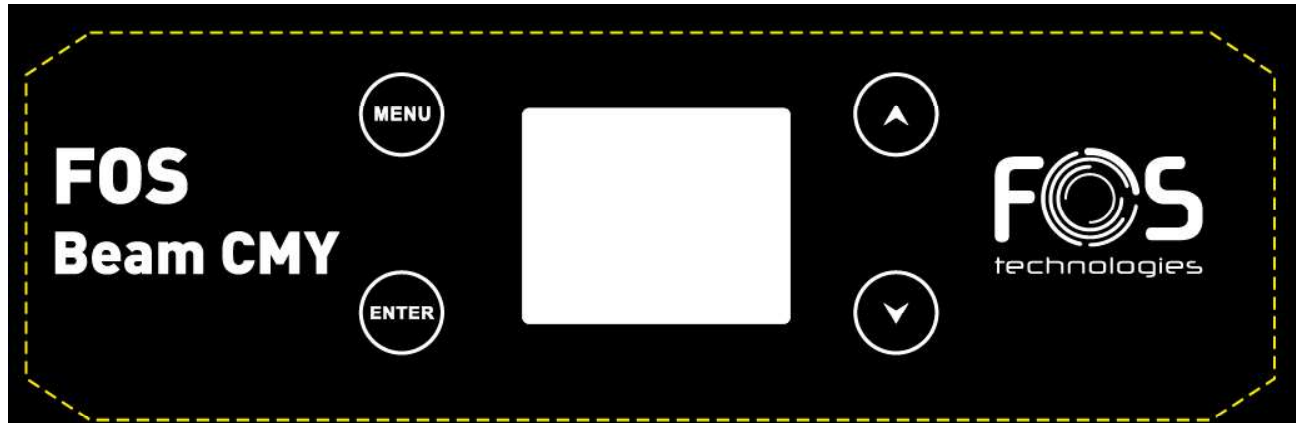
MENU	To select the programming functions
UP	To go forward in the selected functions
DOWN	To go backward in the selected functions
ENTER	To confirm the selected functions

[5.2 MENU SETTINGS]

Main Menu					
DMX Setup	Dmx Address	**1** - 512			
	Channel Mode	**20CH**			
		24CH			
	Run Mode	**DMX**			
		Auto			
Personality	Pan Inverse	**No**			
		Yes			
	Tilt Inverse	**No**			
		Yes			
	Tilt Feedback	Off			
		On			
	No Data Mode	Blackout			
		Hold			
	M/S Mode	**Slave**			
		Master			
	Lamp Mode	Manual			
		Reset			
	Lamp	**Off**			
		On			
Display	Display Rotate	**Normal**			
		Rotate 180			
	Display Intensity	1-**100**			
	Temperature Unit	**°C**			
		°F			
	Language	English			
		中文			

Motor Reset	All	**No**			
		Yes			
	Tilt	**No**			
		Yes			
	Effect	**No**			
		Yes			
Manual Control	Pan	0 - 255			
	○ ○ ○	0 - 255			
	Function	0 - 255			
DMX Live	Pan	0 - 255			
	○ ○ ○	0 - 255			
	Function	0 - 255			
Service	Password	Calibration	Motor	Pan	-128 -> 127
				○ ○ ○	-128 -> 127
			Fan	Open	0 -255
				...	0 -255
		Factory Default	**No**		
			Yes		
		Clear Power On Time	**No**		
			Yes		
		Clear Lamp Hours	**No**		
			Yes		
Information	Power On Time	xxxxxH			
	Lamp Hours	xxxxxH			
	SW Version	1U：Vx.x.x			
		2U：Vx.x.x			
		3U：Vx.x.x			
		4U：Vx.x.x			
	RDM UID	0xXXXX-XXXXXXXX			

[5.3 ADDRESS SETTINGS]

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press the **MENU** button to enter menu mode, select *DMX Functions*, press the **ENTER** button to confirm, use the **UP**/**DOWN** button to select *DMX Address*, press the **ENTER** button to confirm, the present address will blink on the display, use the **UP**/**DOWN** button to adjust the address from 001 to 512, and press the **ENTER** button to store. Press the **MENU** button back to the last menu or let the unit idle 7 seconds to exit menu mode

Please refer to the following diagram to set the DMX address for the first 4 units：

Channel mode	Unit 1 Addressing	Unit 2 Addressing	Unit 3 Addressing	Unit 4 Addressing
20-CH mode	1	21	41	61
24-CH mode	1	25	49	73

[6. DMX CHANNELS]

Channels		Name	Value	Description
20-Ch	24-Ch			
1	1	Pan/X	0-255	0-540°
	2	Pan Fine	0-255	0-2°
2	3	Tilt/Y	0-255	0-270°
	4	Tilt Fine	0-255	0-1°
3	5	Cyan	0-255	0-100%
4	6	Magenta	0-255	0-100%
5	7	Yellow	0-255	0-100%
6	8	Color Wheel	0-3	White
			4-59	14 colors
			60-127	Colors Change
			128-189	Clockwise rotation, fast to slow
			190-193	Stop
			194-255	Counter Clockwise rotation, slow to fast
7	9	Color Macros	0-31	OFF
			32-39	Macro1
			40-239	……….
			240-247	Macro27
			248-255	Random CMY
8	10	Multi-Color Effect	0-7	Close
			8-255	Open
9	11	Gobo Wheel	0-7	Open
			8-55	16 Gobos
			56-127	Gobos rotation, slow to fast
			128-189	Clockwise rotation, fast to slow
			190-193	Stop
			194-255	Counter Clockwise rotation, slow to fast
10	12	Prism-1	0-7	OFF
			8-255	Open

			0-127	0-100%
11	13	**Prism-1 Rotation**	128-189	Clockwise rotation, fast to slow
			190-193	Stop
			194-255	Counter Clockwise rotation, slow to fast
12	14	**Prism-2**	0-7	OFF
			8-255	Open
13	15	**Prism-2 Rotation**	0-127	0-100%
			128-189	Clockwise rotation, fast to slow
			190-193	Stop
			194-255	Counter Clockwise rotation, slow to fast
14	16	**Shutter**	0-31	OFF
			32-255	Open
15	17	**Dimmer**	0-255	0-100%
	18	**Dimmer Fine**	0-255	0-100%
16	19	**Focus**	0-255	0-100%
	20	**Focus Fine**	0-255	0-100%
17	21	**Frost**	0-255	0-100%
18	22	**Cmy Speed**	0-255	Fast to slow
19	23	**Pan/Tilt Speed**	0-255	Fast to slow
20	24	**Reset**	0-69	OFF
			70-129	Blackout Enable/Disable
			130-139	Lamp On
			140-149	Reset XY
			150-159	Reset Effect
			160-169	Reset Color/Cmy
			150-159	Reset Effect
			200-209	Reset All
			230-239	Lamp Off