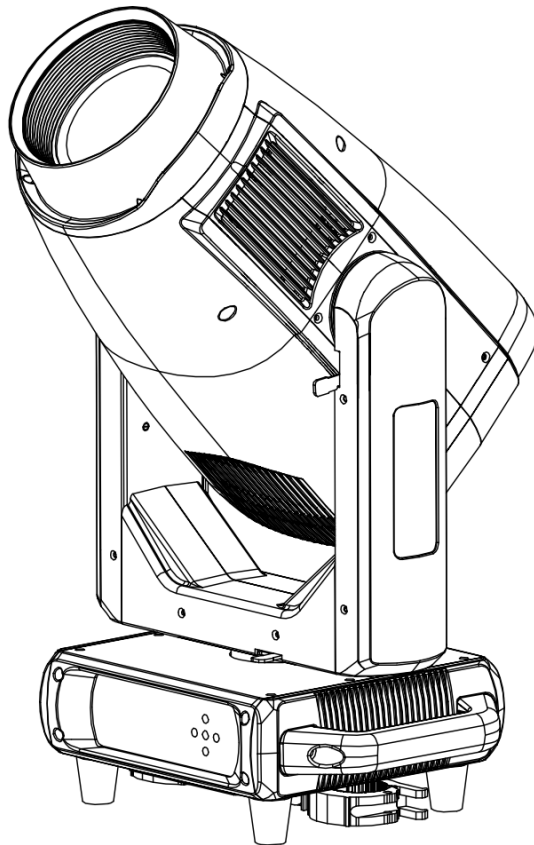


PROFILE 1200 BSWF

FT1200



USER MANUAL

Version 1.2

KEEP THIS USER MANUAL FOR FUTURE NEEDS

Thank you for your patronage!

We are confident that our excellent products and service can satisfy you.

For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly.

We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



CAUTION!

Keep this device away from rain and moisture!



CAUTION!

Unplug mains lead before device's installation, cleaning and maintenance!

Every person involved with the installation, operation and maintenance of this device has to:

-be qualified

-follow carefully the instructions of this manual

INTRODUCTION

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

1. One power in cable
 2. One 3 Pin DMX cable(5 Pin optional)
 3. Two folding clamps
 4. One safety rope
 5. One English user manual
- (Flight case are optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any questions, please consult your dealer and don't install this device.

Check that the unit has not been damaged during transport



Read all cautions and warnings
prior to operation of this
equipment

Protection Against Fire



1. Maintain a minimum of 5 00cm 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



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

Protection Against Mechanical Hazards



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

Clamps

- 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.
- The fixture comes with two folding clamps, easy to use



IMPORTANT SAFETY NOTE!!

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

SPECIFICATION

SOURCE

- Light Source: 900W White LED (High CRI 98 version, High uniform version optional)
- Light Color Temperature: 8000K
- Average LED Life: 20,000 Hour

POWER

- Input Voltage: 100-240VAC, 50/60Hz
- Power Consumption: 1200W max. at full output

OPTICAL SYSTEM

- Zoom: 5° - 50° linear motorized
- Prism: 4-facet circular & 6 facet linear rotating prisms, independent control
- Frost: Frost filter hybrid wash effect
- Iris: Linearly Iris with macro function
- Strobe: 0-25Hz variable speed, pulse, and random strobe
- Dimmer: 0-100% variable linear dimming curves
- CRI Filter: CRI > 90

FRAMING SHUTTER

- Shutters: 4 independent framing shutters
- System Rotation: +/- 90°

COLOR

- 7 Dichoric Colors plus open, Index / Bi-directional rotating rainbow effect
- CMY + CTO Color mix system

FIXED GOBOS

- 1 fixed gobo wheels with 8 glass gobos plus open
- Shake / Bi-directional flow effect

ROTATING GOBOS

- 1 rotation gobo wheels with 7 interchangeable glass gobos plus open
- Interchangeable rotating / Shake / Bi-directional variable-speed rotation effect

ANIMATION WHEEL

- 1 Fire effect wheel

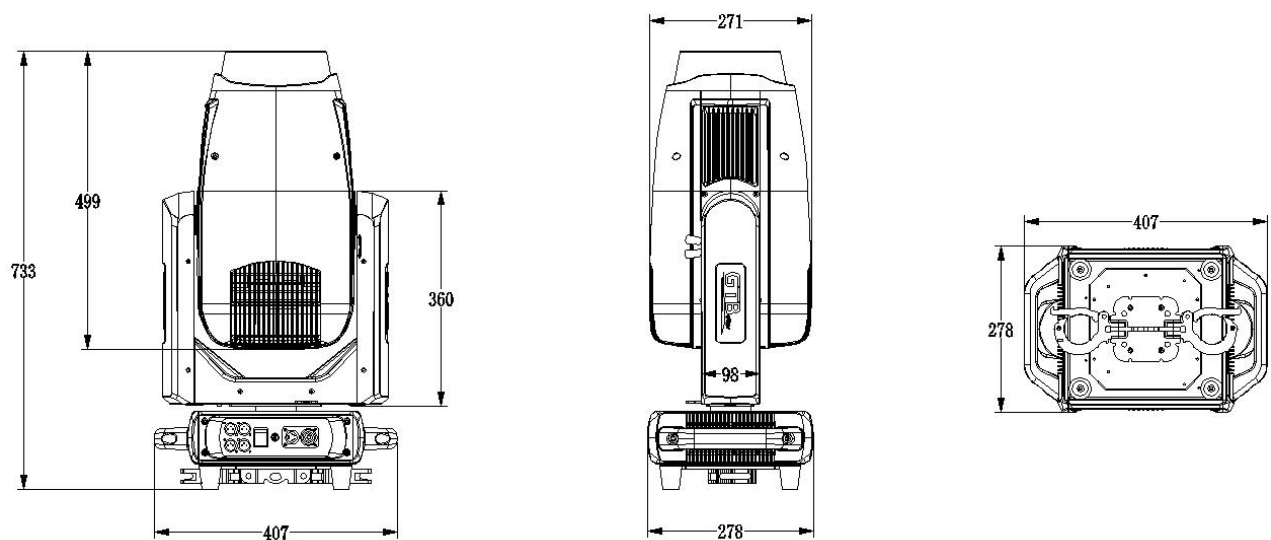
CONTROL / CONNECTION

- DMX Channel: 54/56CHs (Same as Forte channel)
- Control Mode: DMX, Manual
- Control Protocol: DMX, RDM, Artnet optional
- Full Color 180° Reversible LCD
- 3 pin and 5pin DMX In/Out both
- PowerCON ture1 Power Input+Output
- Follow Spot mode(Manual Pan/Tilt)

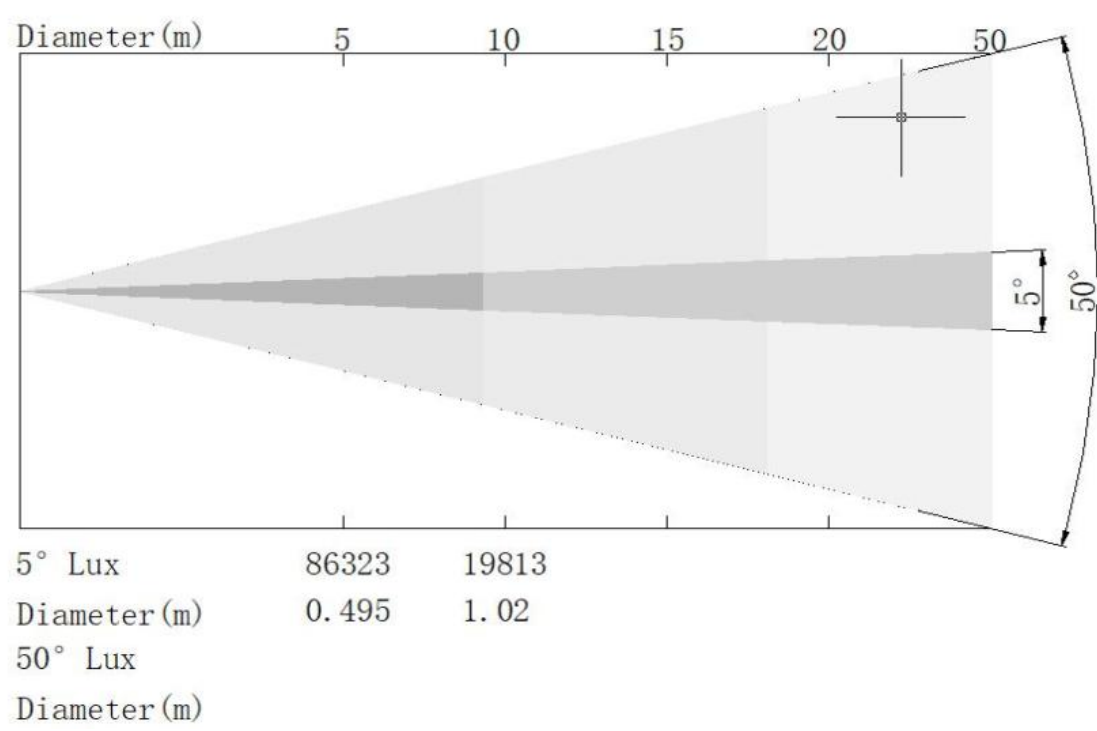
WEIGHT & DIMENSION

- Net Weight: 28kg
- Dimension: 407×278×733mm

Dimension (MM)



Photometric Data



Color Filters



CMY+CTO Filters



Rotating Glass Gobos



Fixed Glass Gobos



Animation Disk



Framing System

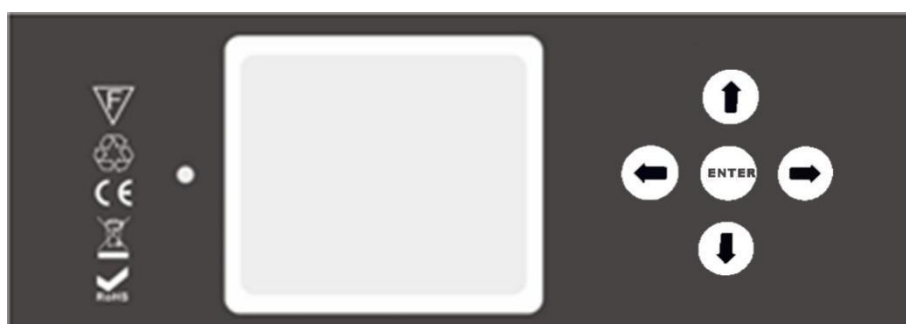


Frost&Prisms



Menu Chart

The control board on the fixture base is your interface to access and control all functions on the unit. It's Touch Screen LCD display gives you a code view of the options and functions. The following will explain each function and its options



MENU DISPLAY			
DMX Addr	011-512		
Channel Mode	20/35		
Reset	Reset All		
	Pan Titl		
	Dim		
	Color		
	Gobo		
	Beam Patch		
Run	DMX	NO/ YES	
Mannul	Lock Manual Ctrl	000-255	
	Pan	000-255	
	Tilt	000-255	
	P/ T	000-255	
	C	000-255	
	M	000-255	
	Y	000-255	
	CTO	000-255	
	Color	000-255	
	Gobo	000-255	
Run Settings	Pan/ Tilt Settings	Manual P/T (Follow spot mode)	
	Dim Curve	Linear	
	User Program		
	If no DMX		
	Auto Ignition		
	Fan Mode	Standard Mode	
Advanced settings	Adj	Input PSW	0-9
	LED display	Sleep	30 sec
		Flip	N/ Y
		Auto Lock	N/ Y
	Language	English/ Chinese	
	Ignore Err	Raster Waveform	N/ Y
	Adj Recover	Input PSW	
	Rsetore Defaults	Sure To Do?	NO/ YES
Info	DMX Value		
	Error		
	LED		
	Teat Mode		

DMX Protocol			
Version: 1.2			
Mode 1 - Standard 16 bit, Mode 2 -enhanced gobo control			
Quick overview of default DMX values for each channel			
Mode/Channel		Default DMX Value	Function
1	2		
1	1	128	Pan
2	2	0	Pan Fine
3	3	128	Tilt
4	4	0	Tilt fine
5	5	0	Pan/Tilt speed , Pan/Tilt time
6	6	0	Reserved
7	7	10	Reserved
8	8	128	Reserved
9	9	0	Reserved
10	10	0	Colour wheel 1
11	11	0	Colour wheel 1-fine positioning
12	12	0	Reserved
13	13	0	Reserved
14	14	0	Cyan
15	15	0	Magenta
16	16	0	Yellow
17	17	0	CTO
18	18	128	Reserved
19	19	0	Reserved
20	20	0	Reserved
21	21	0	Reserved
22	22	0	Reserved
23	23	0	Effect wheel positioning

24	24	128	Effect wheel rotation
25	25	0	Effect wheel animations
26	26	0	Fix. Gobo wheel 1
*	27	0	Reserved
27	28	128	Reserved
28	29	0	Reserved
29	30	0	Rot. Gobo wheel 2
*	31	0	Reserved
30	32	128	Rot. Gobo 2 indexing and rotation
31	33	0	Reserved
32	34	0	Prism 1 (6-facet linear)
33	35	128	Prism 1 indexing/rotation
34	36	0	Prism 2 (4-facet)
35	37	128	Prism 2 indexing/rotation
36	38	0	Frost
37	39	0	Iris
38	40	0	Reserved
39	41	128	Zoom
40	42	0	Reserved
41	43	128	Focus
42	44	0	
43	45	128	Framing shutters module rotation
44	46	0	Framing shutter 1- movement
45	47	128	Framing shutter 1- swivelling
46	48	0	Framing shutter 2- movement
47	49	128	Framing shutter 2- swivelling
48	50	0	Framing shutter 3 movement
49	51	128	Framing shutter 3- swivelling
50	52	0	Framing shutter 4 movement
51	53	128	Framing shutter 4- swivelling
52	54	32	Shutter/ strobe
53	55	0	Dimmer intensity
54	56	0	Reserved

Mode/Channel		DMX Value	Function	Type of control
1	2			
1	1		Pan	
		0 - 255	Pan movement by 540° (128=default)	proportional
2	2		Pan Fine	
		0 - 255	Fine control of pan movement (0=default)	proportional
3	3		Tilt	
		0 - 255	Tilt movement by 270° (128=default)	proportional
4	4		Tilt fine	
		0 - 255	Fine control of tilt movement (0=default)	proportional
5	5		Pan/Tilt speed , Pan/Tilt time	
		0	Standard mode (0=default)	step
		1	Max. Speed Mode	step
			Pan/Tilt speed mode	
		2 - 255	Speed from max. to min.	proportional
			Pan/Tilt time mode	
		2 - 255	Time from 0.2 sec. to 25.5 sec.	proportional
6	6			
7	7			
8	8			
9	9			
10	10		Colour wheel 1	
			Continual positioning	
		0	Open/white (0=default)	proportional
		21	Deep red	proportional
		43	Deep blue	proportional
		64	Orange	proportional
		86	Green	proportional
		107	Congo blue	proportional
		128-129	Open/White	step
			Positioning	

		130-141	Deep red	step
		142-153	Deep blue	step
		154-165	Orange	step
		166-177	Green	step
		178-189	Congo blue	step
		190 - 215	Forwards rainbow effect from fast to slow	proportional
		216 - 217	No rotation	step
		218 - 243	Backwards rainbow effect from slow to fast	proportional
		244 - 249	Random colour selection by audio control	step
			(Set microphone sensitivity in menu „Personality“)	
		250 - 255	Auto random colour selection from fast to slow	proportional
11	11		Colour wheel 1 - fine positioning	
		0 - 255	Fine positioning (0=default)	proportional
12	12			
13	13			
14	14		Cyan	
		0 - 255	Cyan from min. saturation --> full cyan (0=default)	proportional
15	15		Magenta	
		0 - 255	Magenta from min. saturation --> full magenta (0=default)	proportional
16	16		Yellow	
		0 - 255	Yellow from min. saturation --> full yellow (0=default)	proportional
17	17		CTO	
		0 - 255	CTO from 6500K --> 3000K (0=default), HP LED module	proportional
			CTO from 5800K --> 2200K (0=default), HCF LED module	proportional
18	18			
19	19			
20	20			
21	21			
22	22			
23	23		Effect wheel positioning	
		0-19	No function (0=default)	step

		20-127	Proportional indexing (73-center)	proportiona l
		128-170	Ramping from open to full position (max--->min. speed)	proportiona l
		171-213	Ramping from open to half position (max. --->min. speed)	proportiona l
		214-255	Ramp. from half position to full position (max. --->min. speed)	proportiona l
24	24		Effect wheel rotation	
		0	No rotation	step
		1 - 127	Forwards rotation from fast to slow	proportiona l
		128	No rotation (128=default)	step
		129 - 255	Backwards rotation from slow to fast	proportiona l
25	25		Effect wheel animations	
		0-7	No animation (0=default)	
			Note : Set suitable DMX value at Focus channel to get desired animation. All animations were created at distance of 5 m from screen with zoom=128 DMX, Focus value is different for each effect (focus value is stated in parentheses for this distance)	
			The following channels are blocked: Effect wheel positioning, Effect wheel rotation, Rotating gobo wheel 1/2, Rot. Gobo 1/2 indexing and rotation, Rot. Gobo wheel 1/2 fine rotation.	
		8-9	Macro 1 (Focus=190)	step
		10-11	Macro 2 (Focus=167)	step
		12-13	Macro 3 (Focus=170)	step
		14-15	Macro 4 (Focus=170)	step
		16-17	Macro 5 (Focus=170)	step
		18-19	Macro 6 (Focus=136)	step
		20-21	Macro 7 (Focus=140)	step
		22-23	Macro 8 (Focus=130)	step
		24-25	Macro 9 (Focus=142)	step
		26-27	Macro 10 (Focus=140)	step
		28-255	Reserved	
26	*		Fixed gobo wheel 1	
			Index - set indexing on channel 27	

		0-4	Open/hole (0=default)	step
		5-8	Gobo 1	step
		9-13	Gobo 2	step
		14-17	Gobo 3	step
		18-22	Gobo 4	step
		23-26	Gobo 5	step
		27-31	Gobo 6	step
			Rotation - set rotation on channel 27	
		32-35	Gobo 1	step
		36-40	Gobo 2	step
		41-44	Gobo 3	step
		45-49	Gobo 4	step
		50-54	Gobo 5	step
		55-59	Gobo 6	step
			Shaking gobos from slow to fast	
			Index - set indexing on channel 27	
		60-71	Gobo 1	proportional
		72-83	Gobo 2	proportional
		84-95	Gobo 3	proportional
		96-106	Gobo 4	proportional
		107-118	Gobo 5	proportional
		119-129	Gobo 6	proportional
			Shaking gobos from slow to fast	
			Rotation - set rotation on channel 27	
		130-141	Gobo 1	proportional
		142-153	Gobo 2	proportional
		154-165	Gobo 3	proportional
		166-176	Gobo 4	proportional
		177-188	Gobo 5	proportional
		189-199	Gobo 6	proportional
		200 - 201	Open/hole	step
		202 - 222	Forwards gobo wheel rotation from fast to slow	proportiona l
		223 - 243	Backwards gobo wheel rotation from slow to fast	proportiona l

		244 - 249	Random gobo selection by audio control	step
			(Set microphone sensitivity in menu „Personality”)	
		250 - 255	Auto random gobo selection from fast to slow	proportional
*	26		Fix. gobo wheel 1	
			Index - set indexing on channel 28	
		0-4	Open/hole (0=default)	step
		5-8	Gobo 1	step
		9-13	Gobo 2	step
		14-17	Gobo 3	step
		18-22	Gobo 4	step
		23-26	Gobo 5	step
		27-31	Gobo 6	step
			Rotation - set rotation on channel 28	
		32-35	Gobo 1	step
		36-40	Gobo 2	step
		41-44	Gobo 3	step
		45-49	Gobo 4	step
		50-54	Gobo 5	step
		55-59	Gobo 6	step
			Continual positioning	
			Index - set indexing on channel 28	
		60	Open/hole	proportional
		70	Gobo 1	proportional
		80	Gobo 2	proportional
		90	Gobo 3	proportional
		100	Gobo 4	proportional
		110	Gobo 5	proportional
		120	Gobo 6	proportional
		130	Open/hole	proportional
			Continual positioning	
			Rotation - set rotation on channel 28	
		131	Open/hole	proportional
		141	Gobo 1	proportional

		151	Gobo 2	proportional
		161	Gobo 3	proportional
		171	Gobo 4	proportional
		181	Gobo 5	proportional
		191	Gobo 6	proportional
		201	Open/hole	proportional
		202 - 222	Forwards gobo wheel rotation from fast to slow	proportional
		223 - 243	Backwards gobo wheel rotation from slow to fast	proportional
		244 - 249	Random gobo selection by audio control	step
			(Set microphone sensitivity in menu „Personality“)	
		250 - 255	Auto random gobo selection from fast to slow	proportional
*	27			
27	28			
28	29		Reserved	
		32-35	Gobo 1	step
		36-40	Gobo 2	step
		41-44	Gobo 3	step
		45-49	Gobo 4	step
		50-54	Gobo 5	step
		55-59	Gobo 6	step
			Shaking gobos from slow to fast	
			Index - set indexing on channel 30	
		60-71	Gobo 1	proportional
		72-83	Gobo 2	proportional
		84-95	Gobo 3	proportional
		96-106	Gobo 4	proportional
		107-118	Gobo 5	proportional
		119-129	Gobo 6	proportional
			Shaking gobos from slow to fast	
			Rotation - set rotation on channel 30	
		130-141	Gobo 1	proportional
		142-153	Gobo 2	proportional

		154-165	Gobo 3	proportional
		166-176	Gobo 4	proportional
		177-188	Gobo 5	proportional
		189-199	Gobo 6	proportional
		200 - 201	Open/hole	step
		202 - 222	Forwards gobo wheel rotation from fast to slow	proportional
		223 - 243	Backwards gobo wheel rotation from slow to fast	proportional
		244 - 249	Random gobo selection by audio control	step
			(Set microphone sensitivity in menu „Personality“)	
		250 - 255	Auto random gobo selection from fast to slow	proportional
29	30		Rotating gobo wheel 2	
			Index - set indexing on channel 33	
		0-4	Open/hole (0=default)	step
		5-8	Gobo 1	step
		9-13	Gobo 2	step
		14-17	Gobo 3	step
		18-22	Gobo 4	step
		23-26	Gobo 5	step
		27-31	Gobo 6	step
			Rotation - set rotation on channel 32	
		32-35	Gobo 1	step
		36-40	Gobo 2	step
		41-44	Gobo 3	step
		45-49	Gobo 4	step
		50-54	Gobo 5	step
		55-59	Gobo 6	step
			Continual positioning	
			Index - set indexing on channel 32	
		60	Open/hole	proportional
		70	Gobo 1	proportional
		80	Gobo 2	proportional
		90	Gobo 3	proportional
		100	Gobo 4	proportional
		110	Gobo 5	proportional
		120	Gobo 6	proportional

		130	Open/hole	proportional
			Continual positioning	
			Rotation - set rotation on channel 32	
		131	Open/hole	proportional
		141	Gobo 1	proportional
		151	Gobo 2	proportional
		161	Gobo 3	proportional
		171	Gobo 4	proportional
		181	Gobo 5	proportional
		191	Gobo 6	proportional
		201	Open/hole	proportional
		202 - 222	Forwards gobo wheel rotation from fast to slow	proportional
		223 - 243	Backwards gobo wheel rotation from slow to fast	proportional
		244 - 249	Random gobo selection by audio control	step
			(Set microphone sensitivity in menu „Personality“)	
		250 - 255	Auto random gobo selection from fast to slow	proportional
*	31			
30	32		Rot. Gobo 2 indexing and rotation	
			Gobo indexing - set position on channel 29/30	
		0 - 255	Gobo indexing	proportional
			Gobo rotation - set position on channel 29/30	
		0	No rotation	step
		1 - 127	Forwards gobo rotation from fast to slow	proportional
		128	No rotation (128=default)	step
		129 - 255	Backwards gobo rotation from slow to fast	proportional
31	33			
32	34		Prism 1 (6-facet linear)	
		0 - 19	Open position - hole (0=default)	step
		20 - 73	Prism 1 indexing	step
		74-127	Prism 1 rotation	step

			Prism 1 /gobo macros	
			The following channels are blocked: Prism 1, Prism 1 indexing/ rotation, Rotating gobo 1/2 wheel, Rot. Gobo 1/2 indexing and rotation, Rot. Gobo 1/2 fine rotation.	
		128 - 135	Macro 1	step
		136 - 143	Macro 2	step
		144 - 151	Macro 3	step
		152 - 159	Macro 4	step
		160 - 167	Macro 5	step
		168 - 175	Macro 6	step
		176 - 183	Macro 7	step
		184 - 191	Macro 8	step
		192 - 199	Macro 9	step
		200 - 207	Macro 10	step
		208 - 215	Macro 11	step
		216 - 223	Macro 12	step
		224 - 231	Macro 13	step
		232 - 239	Macro 14	step
		240 - 247	Macro 15	step
		248 - 255	Macro 16	step
33	35		Prism 1 indexing/rotation	
			Prism 1 indexing - set position on channel 32/34	
		0 - 255	Prism 1 indexing	proportional
			Prism 1 rotation - set position on channel 32/34	
		0	No rotation	step
		1 - 127	Forwards prism rotation from fast to slow	proportional
		128	No rotation (128=default)	step
		129-255	Backwards prism rotation from slow to fast	proportional
34	36		Prism 2 (6-facet circular)	
		0 - 19	Open position - hole (0=default)	step
		20-127	Prism 2 rotation	step
			Prism 2 /gobo macros	
			The following channels are blocked: Prism 2, Prism 2 rotation, Rotating gobo wheel 1/2, Rot. Gobo 1/2 indexing and rotation,	

			Rot. Gobos 1/2 fine rotation.	
		128 - 135	Macro 1	step
		136 - 143	Macro 2	step
		144 - 151	Macro 3	step
		152 - 159	Macro 4	step
		160 - 167	Macro 5	step
		168 - 175	Macro 6	step
		176 - 183	Macro 7	step
		184 - 191	Macro 8	step
		192 - 199	Macro 9	step
		200 - 207	Macro 10	step
		208 - 215	Macro 11	step
		216 - 223	Macro 12	step
		224 - 231	Macro 13	step
		232 - 239	Macro 14	step
		240 - 247	Macro 15	step
		248 - 255	Macro 16	step
35	37		Prism 2 rotation	
		0	No rotation	step
		1 - 127	Forwards prism rotation from fast to slow	proportional
		128	No rotation (128=default)	step
		129-255	Backwards prism rotation from slow to fast	proportional
36	38		Frost	
		0	Open (0=default)	step
			Light Frost	
		1-50	Light Frost from 0% to 100%	proportional
		51-53	100% Light Frost	step
		54-63	Pulse closing from slow to fast	proportional
		64-73	Pulse opening from fast to slow	proportional
		74-83	Ramping from fast to slow	proportional
		84-86	Open	step
			Medium Frost	

		87-136	Medium Frost from 0% to 100%	proportional
		137-139	100% Medium Frost	step
		140-149	Pulse closing from slow to fast	proportional
		150-159	Pulse opening from fast to slow	proportional
		160-169	Ramping from fast to slow	proportional
		170-255	Open	step
37	39		Iris	
		0	Open (0=default)	step
		1 - 179	From max. diameter to min. diameter	proportional
		180 - 191	Closed	step
			Pulse effects with Iris blackout	
		192 -219	Pulse opening from slow to fast	proportional
		220 - 247	Pulse closing from fast to slow	proportional
		248 - 249	Random pulse opening (fast)	step
		250 - 251	Random pulse opening (slow)	step
		252 - 253	Random pulse closing (fast)	step
		254 - 255	Random pulse closing (slow)	step
38	40			
39	41		Zoom	
		0 - 255	Zoom from max. to min. beam angle (128=default)	proportional
40	42		Zoom - fine	
		0-255	Fine zooming (0=default)	proportional
41	43		Focus	
		0 - 255	Continuous adjustment from far to near (128=default)	proportional
42	44			
43	45		Framing shutters module rotation	
		0-127	Rotation from right (0°) to 60°	proportional
		128	Centre (128=default)	step
		129-255	Rotation from 60° to left (120°)	proportional
44	46		Framing shutter 1- movement	
		0-255	Movement from Outward to Inward (0=default)	proportional

45	47		Framing shutter 1- swivelling	
		0-127	Swivelling from -30 degrees towards 0 degrees	proportional
		128	0 degrees (128=default)	step
		129-255	Swivelling from 0 degrees to +30 degrees	proportional
46	48		Framing shutter 2- movement	
		0-255	Movement from Outward to Inward (0=default)	proportional
47	49		Framing shutter 2- swivelling	
		0-127	Swivelling from -30 degrees towards 0 degrees	proportional
		128	0 degrees (128=default)	step
		129-255	Swivelling from 0 degrees to +30 degrees	proportional
48	50		Framing shutter 3 movement	
		0-255	Movement from Outward to Inward (0=default)	proportional
49	51		Framing shutter 3- swivelling	
		0-127	Swivelling from -30 degrees towards 0 degrees	proportional
		128	0 degrees (128=default)	step
		129-255	Swivelling from 0 degrees to +30 degrees	proportional
50	52		Framing shutter 4 movement	
		0-255	Movement from Outward to Inward (0=default)	proportional
51	53		Framing shutter 4- swivelling	
		0-127	Swivelling from -30 degrees towards 0 degrees	proportional
		128	0 degrees (128=default)	step
		129-255	Swivelling from 0 degrees to +30 degrees	proportional
52	54		Shutter/ strobe	
		0 - 31	Shutter closed	step
		32 - 63	Shutter open (32=default)	step
		64 - 95	Strobe-effect from slow to fast	proportional
		96 - 127	Shutter open	step
		128 - 143	Opening pulse in sequences from slow to fast	proportional
		144 - 159	Closing pulse in sequences from fast to slow	proportional
		160 - 191	Shutter open	step

		192 - 223	Random strobe-effect from slow to fast	proportiona l
		224 - 255	Shutter open	step
53	55		Dimmer intensity	
		0 - 255	Dimmer intensity from 0% to 100% (0=default)	proportiona l
54	56			
All Specifications subject to change without notice				

Cleaning

In order to make the fixture in good condition and extend the life time, we suggest a regular cleaning to the fixture.

- Clean the inside and outside lens each week to avoid the weaknesses of the fixture due to accumulation of the dust.
- Clean the fan each week.
- A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents. There are no serviceable parts inside the device. Should you need any spare parts, please order genuine parts from us.