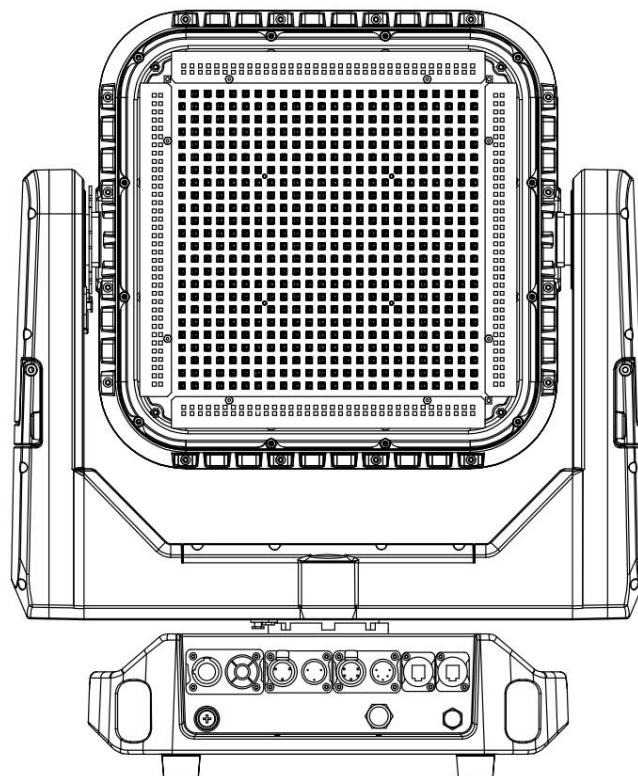
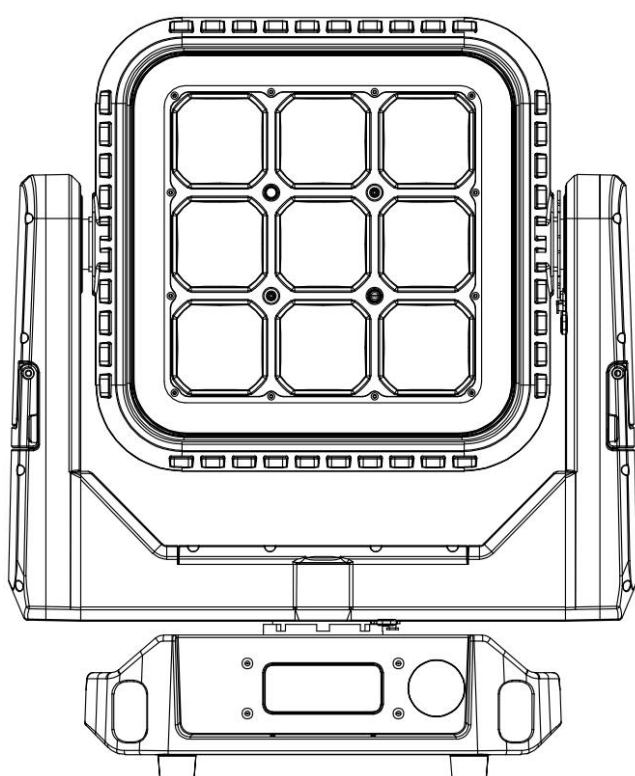


USER MANUAL

Gemini Hydro S



Safety Information



WARNING

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

Important:

Damages caused by the disregard of this user manual are not subject to warranty.

The dealer will not accept liability for any resulting defects or problems.

- Unpack and check carefully to ensure that there is no transportation damage before using the unit.
- DO install and operate by qualified operator.
- DO NOT allow children to operate the fixture.
- Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
- The unit must be installed in a location with adequate ventilation, at least 50CM from adjacent surfaces.
- Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
- Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Minimum ambient temperature TA: -20°C. Maximum ambient temperature TA: 45°C. Do not operate this product at a lower or higher temperature.
- DO NOT connect the device to any dimmer pack.
- Keep flammable materials away from the fixture while operating to avoid fire hazard.
- Make sure the power cord is not crimped or damaged; replace it immediately if damaged.
- Unit's surface temperature may reach up to 65°C. DO NOT touch the housing bare-handed during its operation.
- Avoid any flammable liquids or metal from entering the unit. Once it happens, cut off the mains power immediately.
- DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
- DO NOT touch any wire during operation as there might be a hazard of electric shock.
- Avoid entanglement of the power cord with other wires.
- The minimum distance to objects/surface must be more than 5 meters.
- Disconnect mains power before fuse replacement or servicing.
- Replace fuse only with the same type.
- In the event of serious operating problem, stop using the unit immediately.
- Never turn on and off the unit time after time.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
- DO NOT open the housing as there are no user serviceable parts inside.
- DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
- Disconnect this product from its power source before servicing.
- DO use the original packaging if the device is to be transported.
- Check that the head tilt lock is released before packing for transportation.
- Avoid direct eye exposure to the light source while the product is on.
- DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once.

1. Technical Specifications

Parameter

Light Source

- Side A (Wash Effect):

9 x 90W RGBL (Main LED)

84 x 1W CW&WW (Aura LED, 3 LEDs per group, Total 28 independent segments)

- Side B (Strobe Effect):

576 x 2W RGBWW (Main LED, 36 LEDs per group, Total 16 independent segments)

288 x 1W CW (Aura LED, 6 LEDs per group, Total 48 independent segments)

Optical

- Beam Angle:
- Side A: 4° – 7° (Narrow) / 30° – 45° (Wide)
- Side B: 66° – 110° (RGBWW) / 58° – 87° (CW Strobe)
- Flicker-Free: 1kHz – 25kHz adjustable PWM (Ideal for high-speed cameras)

Electrical Data

- Input Voltage: AC 100V–240V, 50/60Hz (Auto-ranging)
- Max. Power Consumption: 1586W @ 230V / 1634W @ 110V
- Input Current: 7.14A @ 230V / 15.0A @ 110V
- Power Factor (PF): 0.98
- Protection: F20AL250V Fuse

Control & Programming

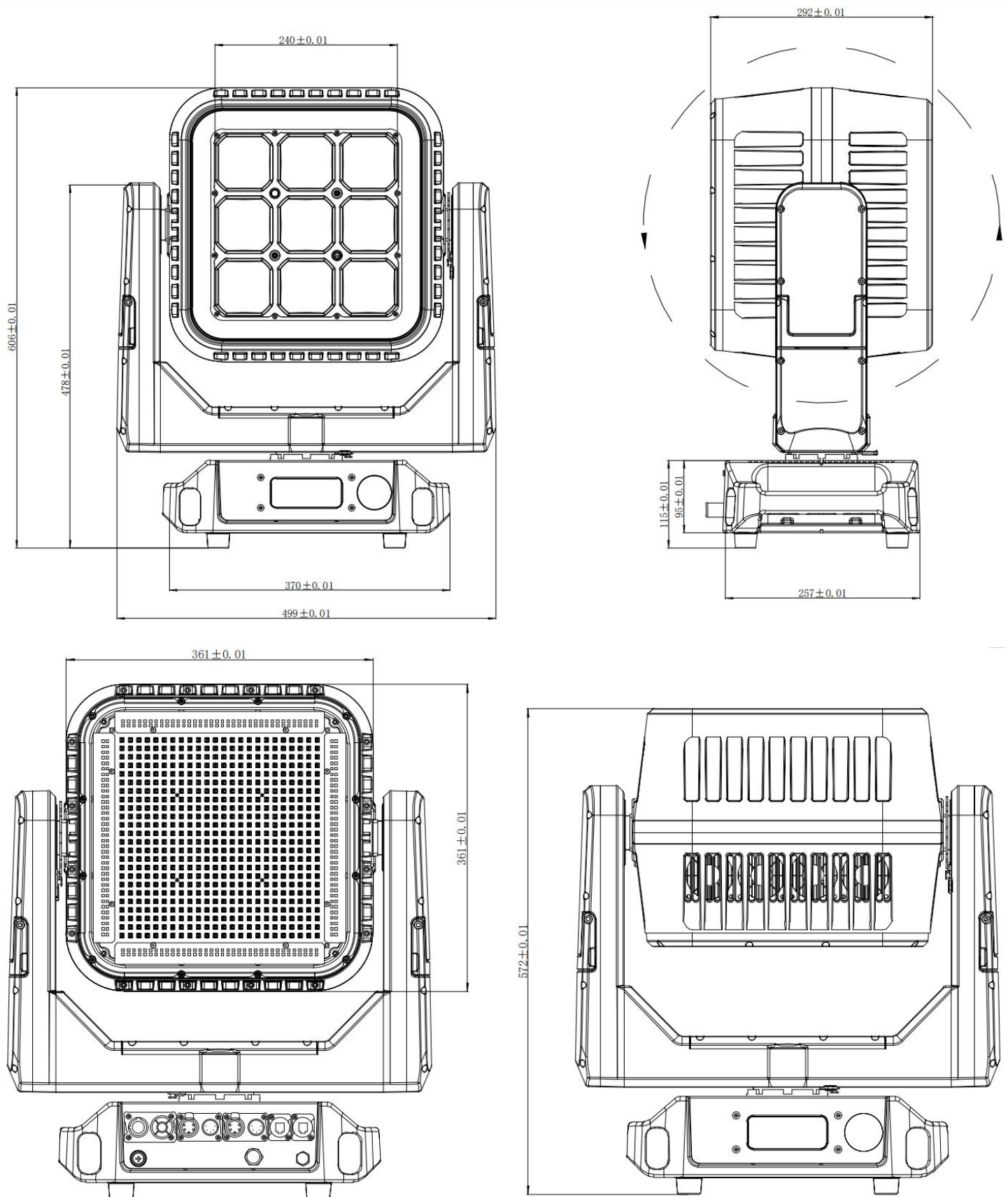
- Control Protocols: DMX512, RDM, Art-Net, sACN, NFC
- DMX Channels: 28CH / 46CH / 228CH (Multi-mode)
- NFC Technology: Built-in NFC for offline configuration via mobile app

Physical & Construction

- IP Rating: IP65
- Dimensions: 499 x 280 x 606 mm
- Net Weight: 32.75 kg
- Gross Weight: 34.00 kg
- Operating Temp: -20°C to 45°C

2.Dimension and Photometric Diagram

Dimension



Photometric Diagram

Side A Narrow Beam Angle

Full (lux)	110000	64000	29100	18500	/
Red (lux)	8860	5600	2340	1590	/
Green (lux)	39500	26700	11100	8420	/
Blue (lux)	7510	5320	2140	1560	/
Lime (lux)	53200	34200	13400	9870	/

Throw Distance	3m	5m	8m	10m	/
Beam Diameter	0.21m	0.35m	0.56m	/	/
Field Diameter	0.365m	0.61m	0.98m	/	/

Side A Wide Beam Angle

Full (lux)	5200	2300	840	500	/
Red (lux)	486	156	75	45	/
Green (lux)	2030	782	352	200	/
Blue (lux)	361	142	63	37	/
Lime (lux)	2630	1020	460	262	/

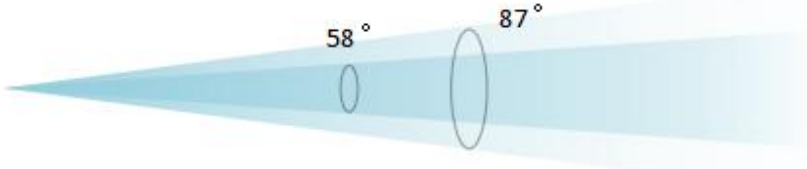
Throw Distance	3m	5m	8m	10m	/
Beam Diameter	1.61m	2.68m	4.29m	7.25m	/
Field Diameter	2.485m	4.14m	6.62m	8.29m	/

Side B RGBW Beam Angle

Full (lux)	1120	480	230	112	/
Red (lux)	227	85	34	19	/
Green (lux)	456	168	68	39	/
Blue (lux)	105	51	25	9	/
White (lux)	620	243	93	56	/

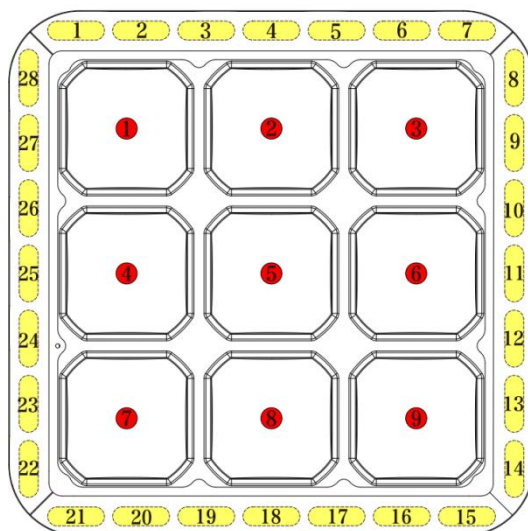
Throw Distance	3m	5m	8m	10m	/
Beam Diameter	3.9m	6.5m	10.4m	13.0m	/
Field Diameter	8.57m	14.28m	22.85m	28.55m	/

Side B CW Beam Angle

Cold White (lux)	794	320	133	76	/
					
Throw Distance	3m	5m	8m	10m	/
Beam Diameter	3.325m	5.54	8.87m	11.09m	/
Field Diameter	5.69m	9.49m	15.45m	19.30m	/

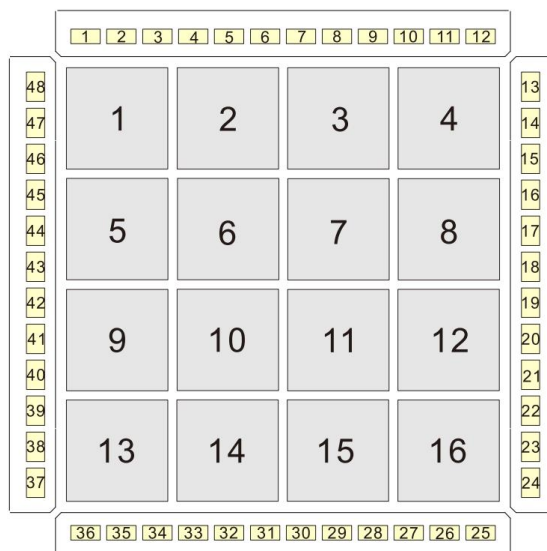
3. LED Layout

9X90W RGBL LED, 84X1W CW&WW(Aura LED,3 LEDs per group,Total 28 segments)

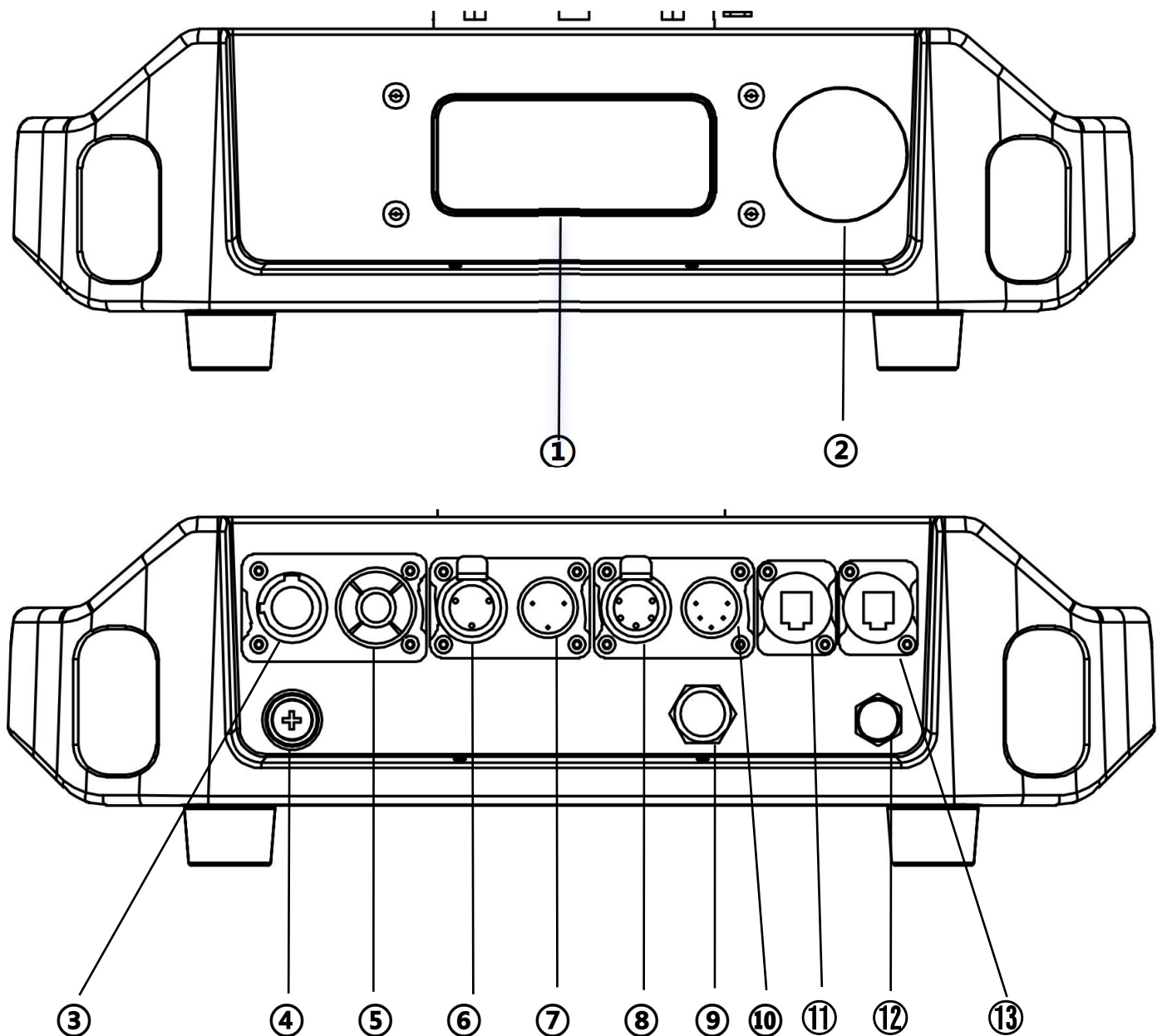


576 x 2W RGBWW (Main LED,36 LEDs per group,Total 16 independent segments)

288 x 1W CW (Aura LED,6 LEDs per group,Total 48 independent segments)



4.Overview

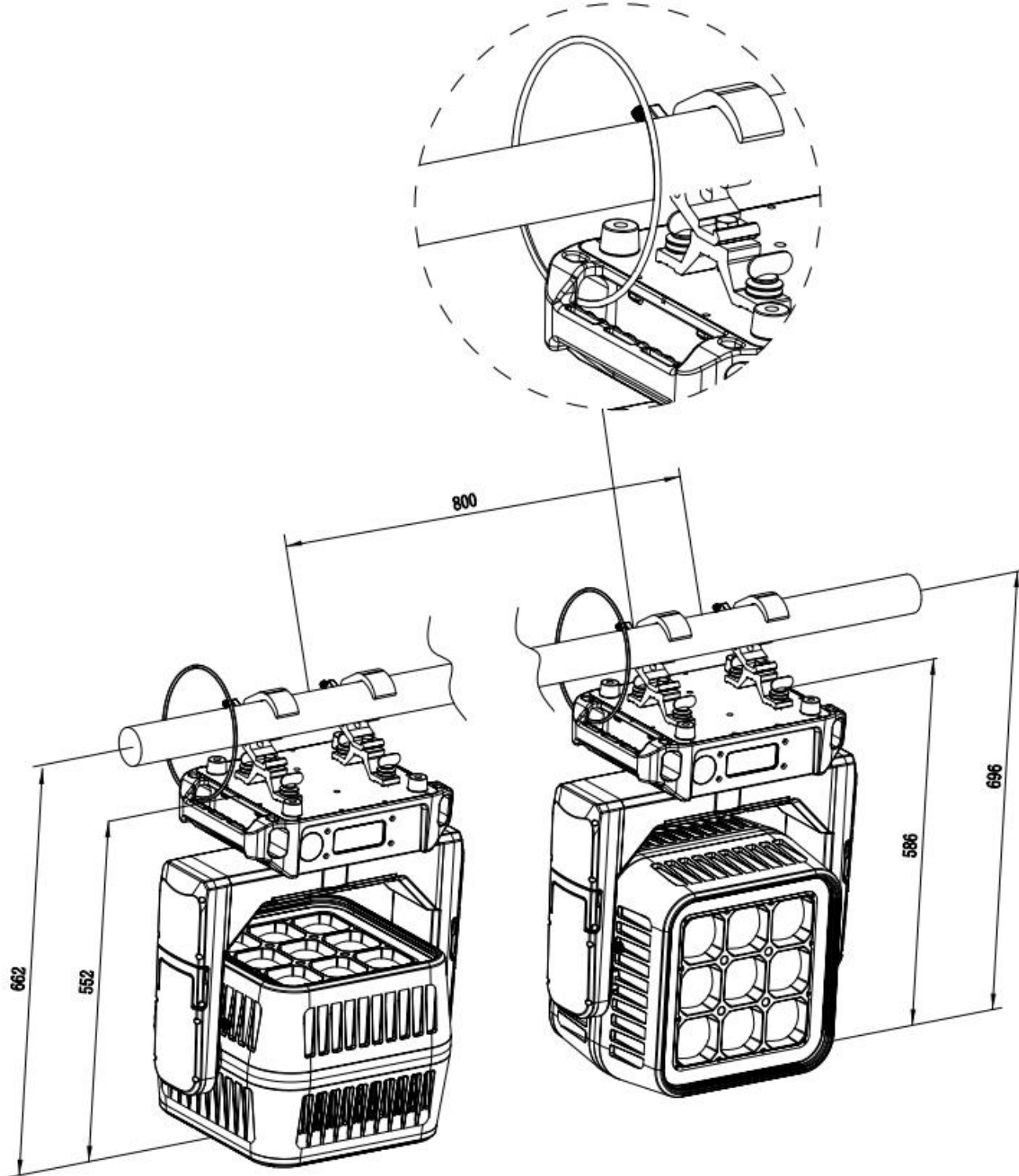


- (1) Display
- (2) NFC Sensor Area
- (3) Seetronic Power In
- (4) Fuse
- (5) Seetronic Power Out
- (6) 3 Pin DMX In
- (7) 3 Pin DMX Out
- (8) 5 Pin DMX In
- (9) Antenna
- (10) 5 Pin DMX Out
- (11) Ethernet In
- (12) Valve
- (13) Ethernet Out

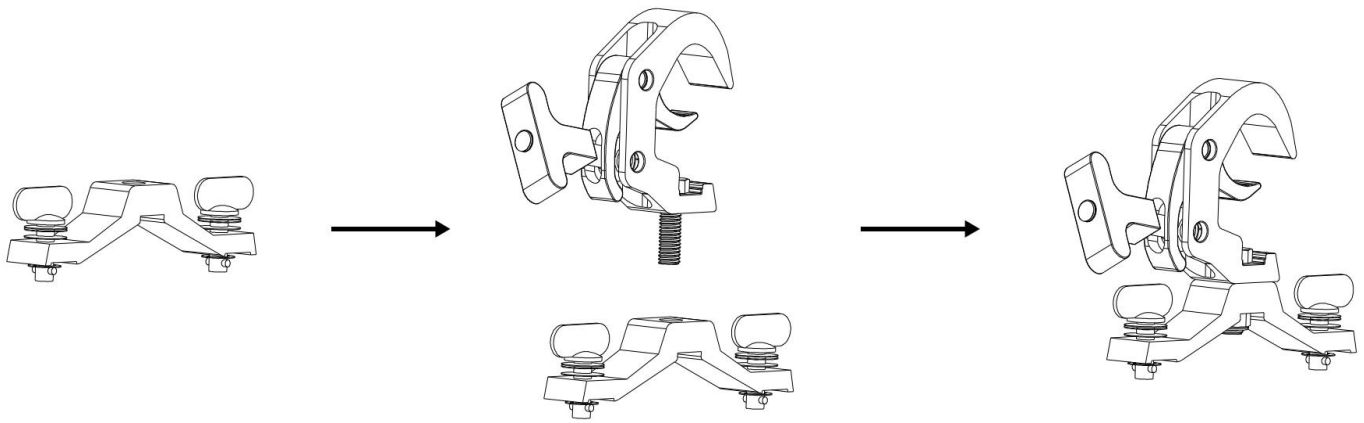
5. Fixture Installation

- DO install and operate by qualified operator. Fixture(s) should be installed in areas outside walking paths, seating areas, or away from areas where unauthorized personnel might reach the fixture by hand. NEVER stand directly below the fixture(s) when rigging, removing or servicing.

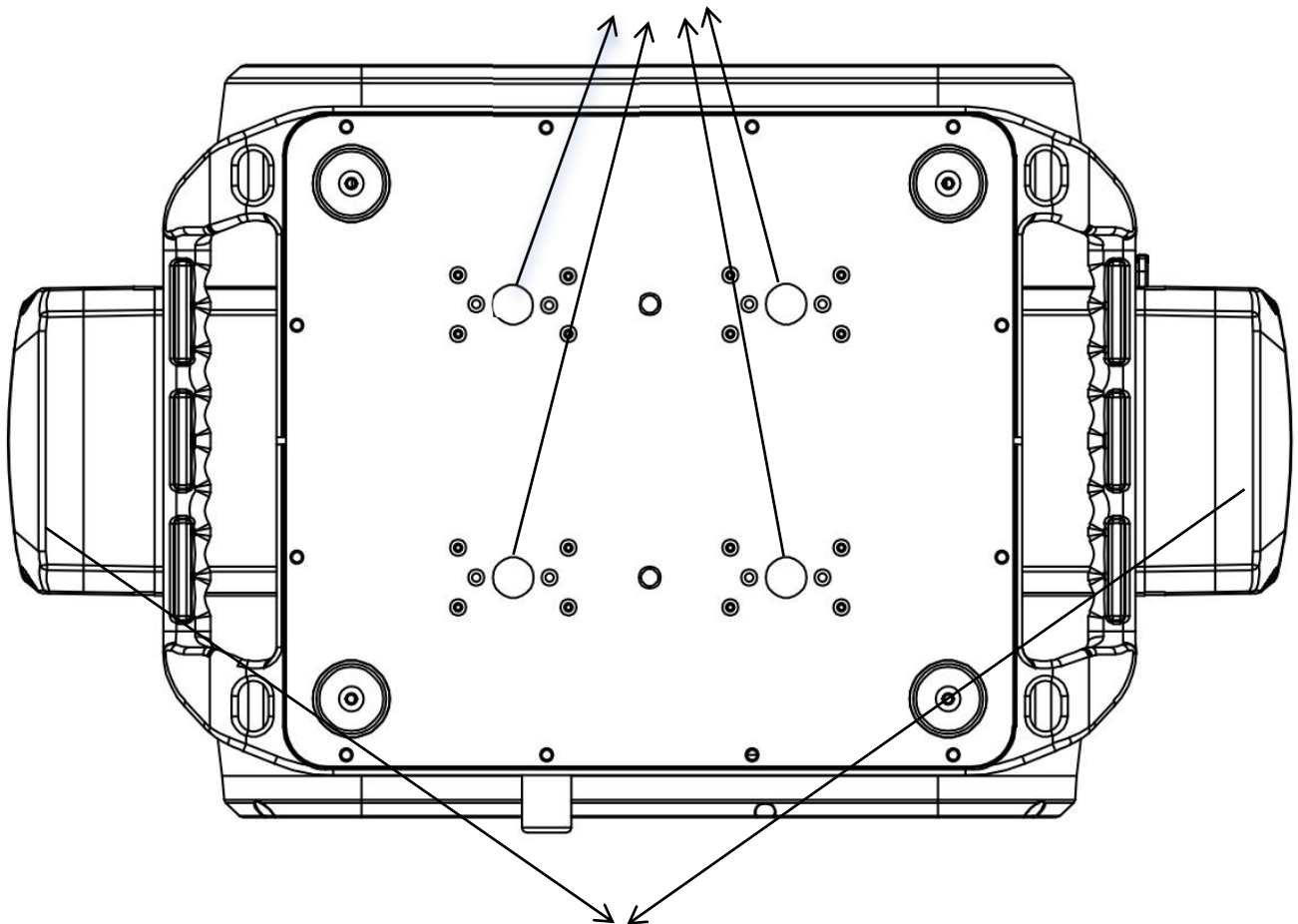
- Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always attach a safety cable that can hold at least 12 times the weight of the fixture whenever installing this fixture in a suspended environment to ensure that the fixture will not fall if the clamp fails.



5.1 Steps for installing omega brackets



Omega Bracket Attachment Points



Safety Cable Attachment Points

6.Control Menu

Main Menu	Sub Menu	Option/Value	Option/Value
Control	Base Control	DMX Address	001-512
		Channel Mode	28CH
			46CH
			228CH
		Protocol	Art-net
			sACN
			DMX
		Universe	00001-32767
	Main Pixels Ctrl A	DMX Address	001-512
		Protocol	Art-net
			sACN
		Universe	00001-32767
		Color Mode	RGB
			RGBW
	Aura Pixels Ctrl A	DMX Address	001-512
		Protocol	Art-net
			sACN
		Universe	00001-32767
	Main Pixels Ctrl B	DMX Address	001-512
		Protocol	Art-net
			sACN
		Universe	00001-32767
		Color Mode	RGB
			RGBL
	Aura Pixels Ctrl B	DMX Address	001-512
		Protocol	Art-net
			sACN
		Universe	00001-32767
	Net to DMX	No	
		YES	
	WDMX to DMX	No	
		YES	
	Wireless Free	Cancel	
		OK	
	Manual	Pan	
		Pan Fine	
		...	
		Crossfade	
Network	IP Mode	DHCP	
		Static	
	IP Address	000.000.000.000	
	Subnet Mask	255.000.000.000	
Settings	Display	Always ON	
		10 sec	
		30 sec	
		1min	
	Display Invert	NO	
		YES	

	Key Lock	NO	
		YES	
	DMX Loss	Hold	
		Blacklout	
	Dimmer Speed	Standard	
		Fast	
		Slow	
	Dimmer Curve	Linear	
		Square	
		S-Shape	
	LED Frequency	4 KHz,8 KHz	
		16 KHz,24 KHz	
	Red Shift	Off	
		On	
	Pixel Invert	Off	
		On	
	Fan Mode	Auto	
		Silent	
		Full	
	Pan Setting	Reversal	
		Calibration	
		Encoder	
	Tilt Setting	Reversal	
		Calibration	
		Encoder	
	Zoom Setting	Calibration	
		sensor	disable Enable
	Color Calibration	RAW Mode	
		Adjust Mode1	RGBL
		Adjust Mode1	RGBL1-RGBL18
	Factory Reset	No	
		Yes	
Preset	Save Preset	Preset1	
		Preset2	
		Preset3	
		Preset4	
	Recall Preset	Preset1	
		Preset2	
		Preset3	
		Preset4	
Information	Error Info	*	
	Temperature	°C	
	Version	*	
	UID	*	

7.DMX Channel

28 Channel Mode

Channel	Channel Name	DMX Value	Function
1	Pan	000-255	540°
2	Pan Fine	000-255	16bit adjustable
3	Tilt	000-255	450°
4	Tilt Fine	000-255	16bit adjustable
5	Tilt Continuous Rotation	000-127	No function
		128-189	Clockwise rotation, fast to slow
		190-193	Stop
		194-255	Counter-clockwise rotation, slow to fast
6	Pan/Tilt Speed	0-255	Fast to slow
7	Control Channel	0-4	No function
		5月9日	Display always on
		10月14日	Display stays on for 10s
		15-19	Display stays on for 30s
		20-24	Display stays on for 1min
		25-29	Screen unlock
		30-34	Screen lock
		35-39	Keep signal
		40-44	Blackout
		45-59	No function
		60-64	Dimmer Standard
		65-69	Dimmer Fast
		70-74	Dimmer Smooth / Slow
		75-84	No function
		85-89	Linear curve
		90-94	Square curve
		95-99	S-curve
		100-109	No function
		110-114	4000Hz
		115-119	8000Hz
		120-124	16000Hz
		125-129	24000Hz
		130-139	No function
		140-144	Fan Auto
		145-149	Fan Silent
		150-154	Fan High Speed
		155-164	No function
		165-169	Red shift off
		170-174	Red shift on

		175-179	Pixel reverse off
		180-184	Pixel reverse on
		185-194	No function
		195-199	Pan reverse off
		200-204	Pan reverse on
		205-209	Pan error correction off
		210-214	Pan error correction on
		215-219	Tilt reverse off
		220-224	Tilt reverse on
		225-229	Tilt error correction off
		230-234	Tilt error correction on
		235-239	Pan/Tilt Reset
		240-244	Focus / Zoom Reset
		245-249	All Reset
		250-255	No function
8	Zoom	0-255	Narrow to Wide
9	Master Dimmer	0-255	Dark to Bright
10	Master Dimmer Fine	0-255	16bit Dimmer
11	RGBL Strobe	0-5	Strobe Open
	RGBL Strobe	6月10日	Strobe Closed
	RGBL Strobe	011-035	Puls Random, slow->fast
	RGBL Strobe	036-060	Ramp up Random, slow->fast
	RGBL Strobe	061-085	Ramp down Random, slow->fast
	RGBL Strobe	086-110	Random Strobe Effect
	RGBL Strobe	111-135	Strobe Break Effect
	RGBL Strobe	136-250	Strobe slow ->fast
	RGBL Strobe	251-255	Strobe Open
12	Red	000-255	Dark to Bright
13	Green	000-255	Dark to Bright
14	Blue	000-255	Dark to Bright
15	Lime	000-255	Dark to Bright
16	WWCW Aux Strobe	0-5	Strobe Open
		6月10日	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
17	Warm White	000-255	Dark to Bright
18	Cold White	000-255	Dark to Bright
19	Strobe Dimmer	000-255	Dark to Bright

20	Strobe Dimmer Fine	000-255	16bit Dimmer
21	Strobe Effect	0-5	Strobe Open
		6月10日	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
22	R	000-255	Dark to Bright
23	G	000-255	Dark to Bright
24	B	000-255	Dark to Bright
25	W	000-255	Dark to Bright
26	CW Strobe	0-5	Strobe Open
		6月10日	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
27	CW	000-255	Dark to Bright
28	Pixel Control	000-015	DMX Control
28	Pixel Control	016-238	Mixed Mode
28	Pixel Control	239-255	Network Control

46 Channel Mode

Channel	Channel Name	DMX Value	Function
1	Pan	000-255	540°
2	Pan Fine	000-255	16bit adjustable
3	Tilt	000-255	450°
4	Tilt Fine	000-255	16bit adjustable
5	Tilt Continuous Rotation	000-127	No function
		128-189	Clockwise rotation, fast to slow
		190-193	Stop
		194-255	Counter-clockwise rotation, slow to fast
6	Pan/Tilt Speed	0-255	Fast to slow
7	Control Channel	0-4	No function
		5-9	Display always on

		10-14	Display stays on for 10s
		15-19	Display stays on for 30s
		20-24	Display stays on for 1min
		25-29	Screen unlock
		30-34	Screen lock
		35-39	Keep signal
		40-44	Blackout
		45-59	No function
		60-64	Dimmer Standard
		65-69	Dimmer Fast
		70-74	Dimmer Smooth / Slow
		75-84	No function
		85-89	Linear curve
		90-94	Square curve
		95-99	S-curve
		100-109	No function
		110-114	4000Hz
		115-119	8000Hz
		120-124	16000Hz
		125-129	24000Hz
		130-139	No function
		140-144	Fan Auto
		145-149	Fan Silent
		150-154	Fan High Speed
		155-164	No function
		165-169	Red shift off
		170-174	Red shift on
		175-179	Pixel reverse off
		180-184	Pixel reverse on
		185-194	No function
		195-199	Pan reverse off
		200-204	Pan reverse on
		205-209	Pan error correction off
		210-214	Pan error correction on
		215-219	Tilt reverse off
		220-224	Tilt reverse on
		225-229	Tilt error correction off
		230-234	Tilt error correction on
		235-239	Pan/Tilt Reset
		240-244	Focus / Zoom Reset
		245-249	All Reset
		250-255	No function
8	Zoom	0-255	Narrow to Wide
9	Master Dimmer	0-255	Dark to Bright
10	Master Dimmer Fine	0-255	16bit Dimmer
11	Wash Dimmer	0-255	Dark to Bright
12	Wash Dimmer Fine	0-255	16bit Dimmer
13	RGBL Strobe	0-5	Strobe Open

		6-10	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
14	Red	000-255	Dark to Bright
15	Green	000-255	Dark to Bright
16	Blue	000-255	Dark to Bright
17	Lime	000-255	Dark to Bright
18	WWCW Aux Dimmer	0-255	Dark to Bright
19	WWCW Aux Strobe	0-5	Strobe Open
		6-10	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
20	Warm White	000-255	Dark to Bright
21	Cold White	000-255	Dark to Bright
22	CTO	0-5	No function
		6-21	1800K
		22-37	2000K
		38-53	2500K
		54-69	2700K
		70-85	3000K
		86-101	3200K
		102-117	3500K
		118-133	4000K
		134-149	4500K
		150-165	5000K
		166-181	5600K
		182-197	6000K
		198-213	6500K
		214-229	7200K
		230-255	8000K
23	Color Temperature Comp (Tint)	000-000	OFF
		001-127	From Magenta to OFF
		128-128	OFF
		129-255	From OFF to Green
24	Wash Color Macro	000-005	No function
		006-010	Cyan (R=000, G=255, B=255)
		011-015	Magenta (R=255, G=000, B=255)
		016-020	Yellow (R=255, G=255, B=000)

		021-025	CTO 3200K (R=255, G=147, B=041)
		026-030	Flame Red (R=255, G=080, B=000)
		031-035	Rose Red (R=255, G=050, B=000)
		036-040	Sunset Red (R=255, G=050, B=000)
		041-045	Dark Pink (R=170, G=000, B=100)
		046-050	Bright Pink (R=255, G=100, B=180)
		051-055	Golden Amber (R=255, G=200, B=000)
		056-060	Bastard Amber (R=255, G=150, B=000)
		061-065	Full C.T. Orange (R=255, G=165, B=000)
		066-070	Sky Blue (R=135, G=206, B=255)
		071-075	Steel Blue (R=070, G=130, B=180)
		076-080	Light Blue (R=173, G=216, B=230)
		081-085	Medium Blue (R=000, G=000, B=200)
		086-090	Summer Blue (R=100, G=140, B=255)
		091-095	Pale Navy Blue (R=065, G=090, B=150)
		096-100	Lagoon Blue (R=100, G=140, B=255)
		101-105	Lighter Blue (R=173, G=216, B=230)
		106-110	Lime Green (R=050, G=255, B=050)
		111-115	Moss Green (R=100, G=140, B=050)
		116-120	Forest Green (R=034, G=139, B=034)
		121-125	Pale Green (R=150, G=255, B=120)
		126-130	Sea Green (R=046, G=139, B=087)
		131-135	Spring Green (R=100, G=080, B=127)
		136-140	Aquamarine (R=070, G=255, B=180)
		141-145	Emerald Green (R=080, G=200, B=120)
		146-185	Rainbow Effect ----- Smooth Fade
		186-220	Color Macro Snap/Jump
		221-255	Color Macro Fade ----- Smooth Fade
25	Wash Program Effect	000-009	No function
		010-034	Program 1
		035-059	Program 2
		060-084	Program 3
		085-109	Program 4
		110-134	Program 5
		135-159	Program 6
		160-184	Program 7
		185-209	Program 8
		210-234	Program 9
		235-244	Program 10
		245-255	Program 1-10 Cycle
26	Wash Program Speed	0-255	0-127 INDEX, 128 - stop, 129-191 clockwise rotation from fast to slow, 192 stop, 193-255 counterclockwise rotate slow to fast
27	CCT Aux Program Effect	000-009	No function
		010-034	Program 1
		035-059	Program 2
		060-084	Program 3
		085-109	Program 4
		110-134	Program 5

		135-159	Program 6
		160-184	Program 7
		185-209	Program 8
		210-234	Program 9
		235-244	Program 10
		245-255	Program 1-10 Cycle
28	CCT Aux Program Speed	0-255	0-127 INDEX, 128 - stop, 129-191 clockwise rotation from fast to slow, 192 stop, 193-255 counterclockwise rotate slow to fast
29	Wash Program Fade	0-255	Max 3 or 4 trailing pixels
30	Strobe Dimmer	000-255	Dark to Bright
31	Strobe Dimmer Fine	000-255	16bit Dimmer
32	Strobe Effect	0-5	Strobe Open
		6-10	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
33	R	000-255	Dark to Bright
34	G	000-255	Dark to Bright
35	B	000-255	Dark to Bright
36	W	000-255	Dark to Bright
37	CW Dimmer	000-255	Dark to Bright
38	CW Strobe	0-5	Strobe Open
		6-10	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
39	CW	000-255	Dark to Bright
40	Wash Color Macro	000-005	No function
		006-010	Cyan
		011-015	Magenta
		016-020	Yellow
		021-025	CTO 3200K
		026-030	Deep Red
		031-035	Bright Red
		036-040	Orange Red
		041-045	Tangerine
		046-050	Pink
		051-055	Rose
		056-060	Burgundy
		061-065	Coral

		066-070	Deep Green
		071-075	Bright Green
		076-080	Yellow Green
		081-085	Cyan Green
		086-090	Mint
		091-095	Olive
		096-100	Teal Green
		101-105	Lime
		106-110	Deep Blue
		111-115	Bright Blue
		116-120	Indigo
		121-125	Royal Blue
		126-130	Sky Blue
		131-135	Violet Blue
		136-140	Light Blue
		141-145	Ice Blue
		146-185	Rainbow Effect ----- Smooth Fade
		186-220	Color Macro Snap/Jump
		221-255	Color Macro Fade ----- Smooth Fade
41	Strobe Program Effect	000-009	No function
		010-034	Program 1
		035-059	Program 2
		060-084	Program 3
		085-109	Program 4
		110-134	Program 5
		135-159	Program 6
		160-184	Program 7
		185-209	Program 8
		210-234	Program 9
		235-244	Program 10
		245-255	Program 1-10 Cycle
42	Strobe Program Speed	0-255	0-127 INDEX, 128 - stop, 129-191 clockwise rotation from fast to slow, 192 stop, 193-255 counterclockwise rotate slow to fast
43	CW Program Effect	000-009	No function
		010-034	Program 1
		035-059	Program 2
		060-084	Program 3
		085-109	Program 4
		110-134	Program 5
		135-159	Program 6
		160-184	Program 7
		185-209	Program 8
		210-234	Program 9
		235-244	Program 10
		245-255	Program 1-10 Cycle
44	CW Program Speed	0-255	0-127 INDEX, 128 - stop, 129-191 clockwise rotation from fast to slow, 192 stop, 193-255 counterclockwise rotate slow to fast

45	Strobe Program Fade	0-255	Max 3 or 4 trailing pixels
46	Pixel Control	000-015	DMX Control
		016-238	Mixed Mode
		239-255	Network Control

228 Channel Mode

Channel	Channel Name	DMX Value	Function
1	Pan	000-255	540°
2	Pan Fine	000-255	16bit adjustable
3	Tilt	000-255	450°
4	Tilt Fine	000-255	16bit adjustable
5	Tilt Continuous Rotation	000-127	No function
		128-189	Clockwise rotation, fast to slow
		190-193	Stop
		194-255	Counter-clockwise rotation, slow to fast
6	Pan/Tilt Speed	0-255	Fast to slow
7	Control Channel	0-4	No function
		5-9	Display always on
		10-14	Display stays on for 10s
		15-19	Display stays on for 30s
		20-24	Display stays on for 1min
		25-29	Screen unlock
		30-34	Screen lock
		35-39	Keep signal
		40-44	Blackout
		45-59	No function
		60-64	Dimmer Standard
		65-69	Dimmer Fast
		70-74	Dimmer Smooth / Slow
		75-84	No function
		85-89	Linear curve
		90-94	Square curve
		95-99	S-curve
		100-109	No function
		110-114	4000Hz
		115-119	8000Hz
		120-124	16000Hz
		125-129	24000Hz
		130-139	No function
		140-144	Fan Auto
		145-149	Fan Silent
		150-154	Fan High Speed

		155-164	No function
		165-169	Red shift off
		170-174	Red shift on
		175-179	Pixel reverse off
		180-184	Pixel reverse on
		185-194	No function
		195-199	Pan reverse off
		200-204	Pan reverse on
		205-209	Pan error correction off
		210-214	Pan error correction on
		215-219	Tilt reverse off
		220-224	Tilt reverse on
		225-229	Tilt error correction off
		230-234	Tilt error correction on
		235-239	Pan/Tilt Reset
		240-244	Focus / Zoom Reset
		245-249	All Reset
		250-255	No function
8	Zoom	0-255	Narrow to Wide
9	Master Dimmer	0-255	Dark to Bright
10	Master Dimmer Fine	0-255	16bit Dimmer
11	Wash Dimmer	0-255	Dark to Bright
12	Wash Dimmer Fine	0-255	16bit Dimmer
13	RGBL Strobe	0-5	Strobe Open
		6-10	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
14	WWCW Aux Dimmer	251-255	Strobe Open
		0-255	Dark to Bright
15	WWCW Aux Strobe	0-5	Strobe Open
		6-10	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
16	Strobe Dimmer	000-255	Dark to Bright
17	Strobe Dimmer Fine	000-255	16bit Dimmer
18	Strobe Effect	0-5	Strobe Open

		6-10	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
19	CW Dimmer	0-255	Dark to Bright
20	CW Strobe	0-5	Strobe Open
		6-10	Strobe Closed
		011-035	Puls Random, slow->fast
		036-060	Ramp up Random, slow->fast
		061-085	Ramp down Random, slow->fast
		086-110	Random Strobe Effect
		111-135	Strobe Break Effect
		136-250	Strobe slow ->fast
		251-255	Strobe Open
21	CTO	0-5	No function
		6-21	1800K
		22-37	2000K
		38-53	2500K
		54-69	2700K
		70-85	3000K
		86-101	3200K
		102-117	3500K
		118-133	4000K
		134-149	4500K
		150-165	5000K
		166-181	5600K
		182-197	6000K
		198-213	6500K
		214-229	7200K
		230-255	8000K
22	Color Temperature Comp (Tint)	000-000	OFF
		001-127	From Magenta to OFF
		128-128	OFF
		129-255	From OFF to Green
23	Color Macro	000-005	No function
		006-010	Cyan (R=000, G=255, B=255)
		011-015	Magenta (R=255, G=000, B=255)
		016-020	Yellow (R=255, G=255, B=000)
		021-025	CTO 3200K (R=255, G=147, B=041)
		026-030	Flame Red (R=255, G=080, B=000)
		031-035	Rose Red (R=255, G=050, B=000)

		036-040	Sunset Red (R=255, G=050, B=000)
		041-045	Dark Pink (R=170, G=000, B=100)
		046-050	Bright Pink (R=255, G=100, B=180)
		051-055	Golden Amber (R=255, G=200, B=000)
		056-060	Bastard Amber (R=255, G=150, B=000)
		061-065	Full C.T. Orange (R=255, G=165, B=000)
		066-070	Sky Blue (R=135, G=206, B=255)
		071-075	Steel Blue (R=070, G=130, B=180)
		076-080	Light Blue (R=173, G=216, B=230)
		081-085	Medium Blue (R=000, G=000, B=200)
		086-090	Summer Blue (R=100, G=140, B=255)
		091-095	Pale Navy Blue (R=065, G=090, B=150)
		096-100	Lagoon Blue (R=100, G=140, B=255)
		101-105	Lighter Blue (R=173, G=216, B=230)
		106-110	Lime Green (R=050, G=255, B=050)
		111-115	Moss Green (R=100, G=140, B=050)
		116-120	Forest Green (R=034, G=139, B=034)
		121-125	Pale Green (R=150, G=255, B=120)
		126-130	Sea Green (R=046, G=139, B=087)
		131-135	Spring Green (R=100, G=080, B=127)
		136-140	Aquamarine (R=070, G=255, B=180)
		141-145	Emerald Green (R=080, G=200, B=120)
		146-185	Rainbow Effect ----- Smooth Fade
		186-220	Color Macro Snap/Jump
		221-255	Color Macro Fade ----- Smooth Fade
24	Pixel Control	0-255	000-015 DMX Control
		0-255	016-238 Mixed Mode
		0-255	239-255 Network Control
25	Red	000-255	Wash Main Pixel 1
26	Green	000-255	Wash Main Pixel 1
27	Blue	000-255	Wash Main Pixel 1
28	Lime	000-255	Wash Main Pixel 1
29	Red	000-255	Wash Main Pixel 2
30	Green	000-255	Wash Main Pixel 2
31	Blue	000-255	Wash Main Pixel 2
32	Lime	000-255	Wash Main Pixel 2
33	Red	000-255	Wash Main Pixel 3
34	Green	000-255	Wash Main Pixel 3
35	Blue	000-255	Wash Main Pixel 3
36	Lime	000-255	Wash Main Pixel 3
37	Red	000-255	Wash Main Pixel 4
38	Green	000-255	Wash Main Pixel 4
39	Blue	000-255	Wash Main Pixel 4
40	Lime	000-255	Wash Main Pixel 4
41	Red	000-255	Wash Main Pixel 5
42	Green	000-255	Wash Main Pixel 5
43	Blue	000-255	Wash Main Pixel 5

44	Lime	000-255	Wash Main Pixel 5
45	Red	000-255	Wash Main Pixel 6
46	Green	000-255	Wash Main Pixel 6
47	Blue	000-255	Wash Main Pixel 6
48	Lime	000-255	Wash Main Pixel 6
49	Red	000-255	Wash Main Pixel 7
50	Green	000-255	Wash Main Pixel 7
51	Blue	000-255	Wash Main Pixel 7
52	Lime	000-255	Wash Main Pixel 7
53	Red	000-255	Wash Main Pixel 8
54	Green	000-255	Wash Main Pixel 8
55	Blue	000-255	Wash Main Pixel 8
56	Lime	000-255	Wash Main Pixel 8
57	Red	000-255	Wash Main Pixel 9
58	Green	000-255	Wash Main Pixel 9
59	Blue	000-255	Wash Main Pixel 9
60	Lime	000-255	Wash Main Pixel 9
61	Warm White	000-255	Wash Aux Pixel 1
62	Cold White	000-255	Wash Aux Pixel 1
63	Warm White	000-255	Wash Aux Pixel 2
64	Cold White	000-255	Wash Aux Pixel 2
65	Warm White	000-255	Wash Aux Pixel 3
66	Cold White	000-255	Wash Aux Pixel 3
67	Warm White	000-255	Wash Aux Pixel 4
68	Cold White	000-255	Wash Aux Pixel 4
69	Warm White	000-255	Wash Aux Pixel 5
70	Cold White	000-255	Wash Aux Pixel 5
71	Warm White	000-255	Wash Aux Pixel 6
72	Cold White	000-255	Wash Aux Pixel 6
73	Warm White	000-255	Wash Aux Pixel 7
74	Cold White	000-255	Wash Aux Pixel 7
75	Warm White	000-255	Wash Aux Pixel 8
76	Cold White	000-255	Wash Aux Pixel 8
77	Warm White	000-255	Wash Aux Pixel 9
78	Cold White	000-255	Wash Aux Pixel 9
79	Warm White	000-255	Wash Aux Pixel 10
80	Cold White	000-255	Wash Aux Pixel 10
81	Warm White	000-255	Wash Aux Pixel 11
82	Cold White	000-255	Wash Aux Pixel 11
83	Warm White	000-255	Wash Aux Pixel 12
84	Cold White	000-255	Wash Aux Pixel 12
85	Warm White	000-255	Wash Aux Pixel 13
86	Cold White	000-255	Wash Aux Pixel 13
87	Warm White	000-255	Wash Aux Pixel 14
88	Cold White	000-255	Wash Aux Pixel 14
89	Warm White	000-255	Wash Aux Pixel 15
90	Cold White	000-255	Wash Aux Pixel 15
91	Warm White	000-255	Wash Aux Pixel 16
92	Cold White	000-255	Wash Aux Pixel 16
93	Warm White	000-255	Wash Aux Pixel 17
94	Cold White	000-255	Wash Aux Pixel 17

95	Warm White	000-255	Wash Aux Pixel 18
96	Cold White	000-255	Wash Aux Pixel 18
97	Warm White	000-255	Wash Aux Pixel 19
98	Cold White	000-255	Wash Aux Pixel 19
99	Warm White	000-255	Wash Aux Pixel 20
100	Cold White	000-255	Wash Aux Pixel 20
101	Warm White	000-255	Wash Aux Pixel 21
102	Cold White	000-255	Wash Aux Pixel 21
103	Warm White	000-255	Wash Aux Pixel 22
104	Cold White	000-255	Wash Aux Pixel 22
105	Warm White	000-255	Wash Aux Pixel 23
106	Cold White	000-255	Wash Aux Pixel 23
107	Warm White	000-255	Wash Aux Pixel 24
108	Cold White	000-255	Wash Aux Pixel 24
109	Warm White	000-255	Wash Aux Pixel 25
110	Cold White	000-255	Wash Aux Pixel 25
111	Warm White	000-255	Wash Aux Pixel 26
112	Cold White	000-255	Wash Aux Pixel 26
113	Warm White	000-255	Wash Aux Pixel 27
114	Cold White	000-255	Wash Aux Pixel 27
115	Warm White	000-255	Wash Aux Pixel 28
116	Cold White	000-255	Wash Aux Pixel 28
117	R	000-255	Strobe Pixel 1
118	G	000-255	Strobe Pixel 1
119	B	000-255	Strobe Pixel 1
120	W	000-255	Strobe Pixel 1
121	R	000-255	Strobe Pixel 2
122	G	000-255	Strobe Pixel 2
123	B	000-255	Strobe Pixel 2
124	W	000-255	Strobe Pixel 2
125	R	000-255	Strobe Pixel 3
126	G	000-255	Strobe Pixel 3
127	B	000-255	Strobe Pixel 3
128	W	000-255	Strobe Pixel 3
129	R	000-255	Strobe Pixel 4
130	G	000-255	Strobe Pixel 4
131	B	000-255	Strobe Pixel 4
132	W	000-255	Strobe Pixel 4
133	R	000-255	Strobe Pixel 5
134	G	000-255	Strobe Pixel 5
135	B	000-255	Strobe Pixel 5
136	W	000-255	Strobe Pixel 5
137	R	000-255	Strobe Pixel 6
138	G	000-255	Strobe Pixel 6
139	B	000-255	Strobe Pixel 6
140	W	000-255	Strobe Pixel 6
141	R	000-255	Strobe Pixel 7
142	G	000-255	Strobe Pixel 7
143	B	000-255	Strobe Pixel 7
144	W	000-255	Strobe Pixel 7
145	R	000-255	Strobe Pixel 8

146	G	000-255	Strobe Pixel 8
147	B	000-255	Strobe Pixel 8
148	W	000-255	Strobe Pixel 8
149	R	000-255	Strobe Pixel 9
150	G	000-255	Strobe Pixel 9
151	B	000-255	Strobe Pixel 9
152	W	000-255	Strobe Pixel 9
153	R	000-255	Strobe Pixel 10
154	G	000-255	Strobe Pixel 10
155	B	000-255	Strobe Pixel 10
156	W	000-255	Strobe Pixel 10
157	R	000-255	Strobe Pixel 11
158	G	000-255	Strobe Pixel 11
159	B	000-255	Strobe Pixel 11
160	W	000-255	Strobe Pixel 11
161	R	000-255	Strobe Pixel 12
162	G	000-255	Strobe Pixel 12
163	B	000-255	Strobe Pixel 12
164	W	000-255	Strobe Pixel 12
165	R	000-255	Strobe Pixel 13
166	G	000-255	Strobe Pixel 13
167	B	000-255	Strobe Pixel 13
168	W	000-255	Strobe Pixel 13
169	R	000-255	Strobe Pixel 14
170	G	000-255	Strobe Pixel 14
171	B	000-255	Strobe Pixel 14
172	W	000-255	Strobe Pixel 14
173	R	000-255	Strobe Pixel 15
174	G	000-255	Strobe Pixel 15
175	B	000-255	Strobe Pixel 15
176	W	000-255	Strobe Pixel 15
177	R	000-255	Strobe Pixel 16
178	G	000-255	Strobe Pixel 16
179	B	000-255	Strobe Pixel 16
180	W	000-255	Strobe Pixel 16
181	CW	000-255	Strobe CW Pixel 1
182	CW	000-255	Strobe CW Pixel 2
183	CW	000-255	Strobe CW Pixel 3
184	CW	000-255	Strobe CW Pixel 4
185	CW	000-255	Strobe CW Pixel 5
186	CW	000-255	Strobe CW Pixel 6
187	CW	000-255	Strobe CW Pixel 7
188	CW	000-255	Strobe CW Pixel 8
189	CW	000-255	Strobe CW Pixel 9
190	CW	000-255	Strobe CW Pixel 10
191	CW	000-255	Strobe CW Pixel 11
192	CW	000-255	Strobe CW Pixel 12
193	CW	000-255	Strobe CW Pixel 13
194	CW	000-255	Strobe CW Pixel 14
195	CW	000-255	Strobe CW Pixel 15
196	CW	000-255	Strobe CW Pixel 16

197	CW	000-255	Strobe CW Pixel 17
198	CW	000-255	Strobe CW Pixel 18
199	CW	000-255	Strobe CW Pixel 19
200	CW	000-255	Strobe CW Pixel 20
201	CW	000-255	Strobe CW Pixel 21
202	CW	000-255	Strobe CW Pixel 22
203	CW	000-255	Strobe CW Pixel 23
204	CW	000-255	Strobe CW Pixel 24
205	CW	000-255	Strobe CW Pixel 25
206	CW	000-255	Strobe CW Pixel 26
207	CW	000-255	Strobe CW Pixel 27
208	CW	000-255	Strobe CW Pixel 28
209	CW	000-255	Strobe CW Pixel 29
210	CW	000-255	Strobe CW Pixel 30
211	CW	000-255	Strobe CW Pixel 31
212	CW	000-255	Strobe CW Pixel 32
213	CW	000-255	Strobe CW Pixel 33
214	CW	000-255	Strobe CW Pixel 34
215	CW	000-255	Strobe CW Pixel 35
216	CW	000-255	Strobe CW Pixel 36
217	CW	000-255	Strobe CW Pixel 37
218	CW	000-255	Strobe CW Pixel 38
219	CW	000-255	Strobe CW Pixel 39
220	CW	000-255	Strobe CW Pixel 40
221	CW	000-255	Strobe CW Pixel 41
222	CW	000-255	Strobe CW Pixel 42
223	CW	000-255	Strobe CW Pixel 43
224	CW	000-255	Strobe CW Pixel 44
225	CW	000-255	Strobe CW Pixel 45
226	CW	000-255	Strobe CW Pixel 46
227	CW	000-255	Strobe CW Pixel 47
228	CW	000-255	Strobe CW Pixel 48