

# elumen8

## **Meteor 848 IP FX Panel**

User Manual



Order code: ELUM055

**WARNING****FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!**

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.

**IMPORTANT:**

**The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.**

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. **THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.**
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- **WARRANTY:** Two years from date of purchase.

**OPERATING DETERMINATIONS**

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and/or property.

**Please note:** These fixtures are intended for stage lighting and entertainment applications only, and are not intended for extended periods of use, including but not limited to house-light, industrial or architectural applications and should only be operated with short duty cycles.

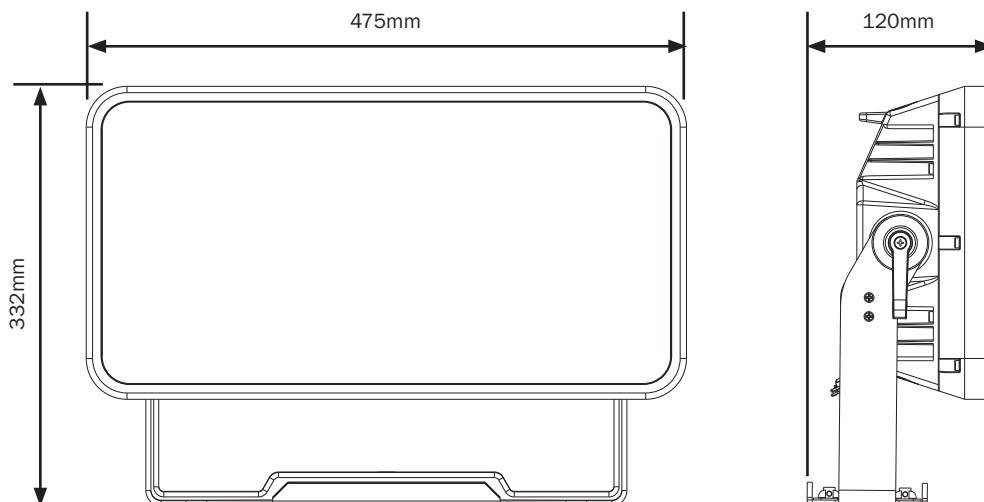
### Meteor 848 IP FX Panel

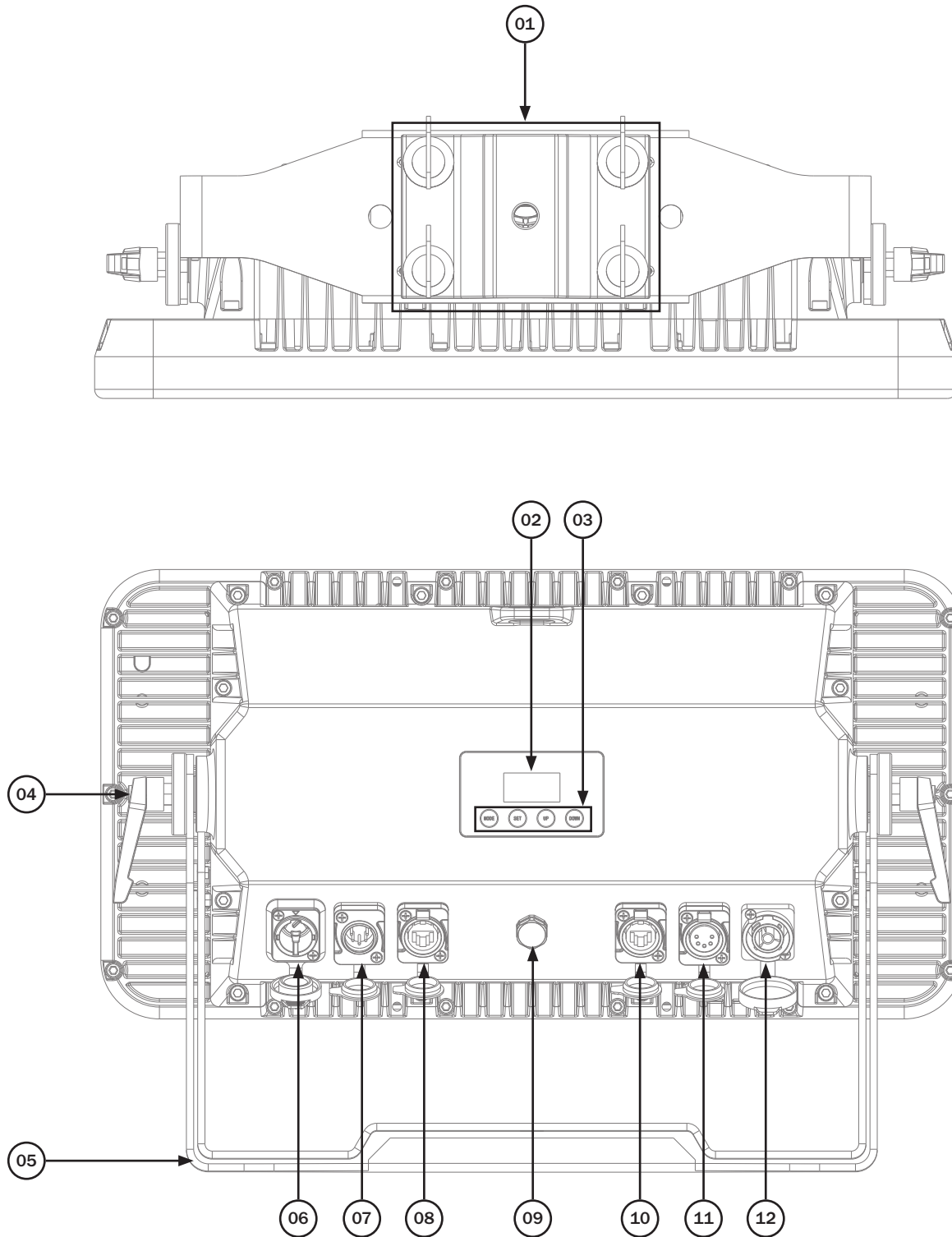
Generating intense white strobe and multicoloured pixel zone effects the Meteor 848 IP FX Panel features a central strip of 48 x 5W cool white SMD LEDs, surrounded on both sides by a total of 800 x 1.5W RGB colour mixing SMD LEDs. All the LEDs are divided into independently controllable zones (40 colour and 5 white). With a wide beam angle the fixture is ideally suited to concerts, festival stages and installations. A clever twist to this fixture is the ability to switch the front glass to a frosted output. Intelligent glass technology developed on this fixture allows the user to simply switch a DMX channel and alternate between clear and frost effects eliminating the need for additional frost filters.

- 2 year warranty
- 800 x 1.5W SMD LEDs (RGB) plus 48 x 5W SMD LEDs (CW)
- RGB beam angle: 101° (field angle: 149°)
- CW beam angle: 108° (field angle: 152°)
- Pixel zone mapping: 40 x RGB LED zones and 5 x CW LED zones can be controlled individually
- Intelligent glass technology allows the user to simply alternate between clear and frost effects eliminating the need for additional frost filters
- Control protocols: DMX, Art-net and sACN
- 0 - 100% dimming
- 4 dimming curves: Linear, square law, inverse square law and S-curve
- Variable strobe
- Bracket allows for multiple rigging or floor standing applications
- Quick release omega clamps included
- 4 button menu with OLED display
- powerCON TRUE1 input/output
- IP rated 5-Pin XLR input/output
- etherCON input/output
- Fan cooled



Specifications	Meteor 848 IP FX Panel
Power consumption	350W
Power supply	100~240V, 50/60Hz
IP rating	IP65
Dimensions (H x W x D)	332 x 475 x 120mm
Weight	10.7kg
Order code	ELUM055



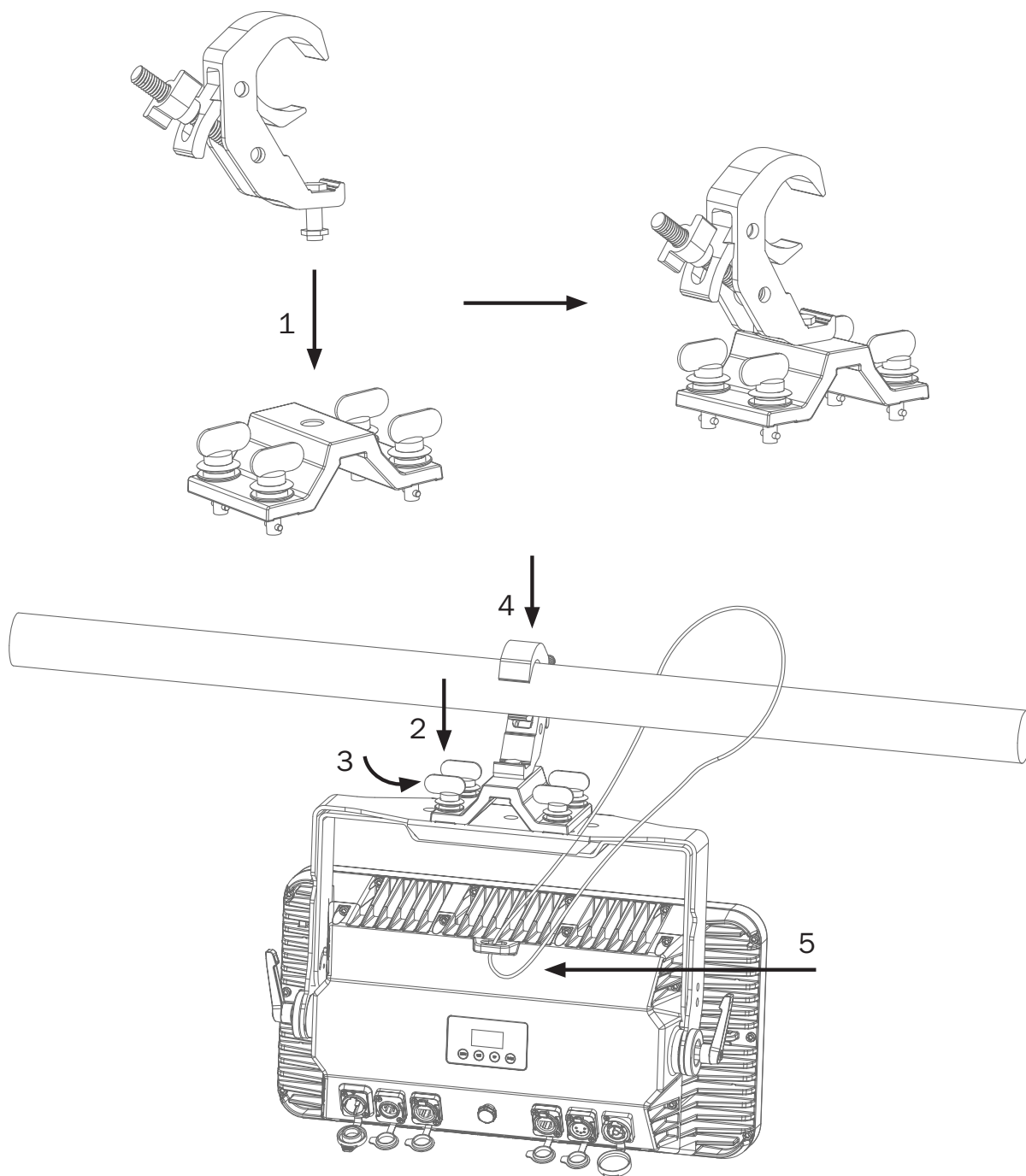


- |                               |                               |                                |
|-------------------------------|-------------------------------|--------------------------------|
| 01 - Omega clamp plate        | 06 - powerCON TRUE1 input     | 11 - IP rated 5-Pin XLR output |
| 02 - OLED display             | 07 - IP rated 5-Pin XLR input | 12 - powerCON TRUE1 output     |
| 03 - Function buttons         | 08 - etherCON input           |                                |
| 04 - Bracket tightening knobs | 09 - Pressure relief valve    |                                |
| 05 - Mounting brackets        | 10 - etherCON output          |                                |

In the box: **1 x fixture,**  
**2 x omega clamps**  
**& 1 x power cable**

### Installation:

1. Fasten the clamp to the omega clamp with a bolt and lock nut through the hole in the omega clamp.
2. Align and insert the omega clamp quick-lock fasteners with the respective holes on the bracket of the unit.
3. Tighten both locking fasteners clockwise on each omega clamp ensuring they're fully secure.
4. Mount the fixture onto your truss system via the clamp and tighten to ensure it's secured.
5. Pull the safety cable through the safety cable hole located on the rear of the fixture and around the truss.



**IMPORTANT! PLEASE NOTE:** The OLED display for this fixture has a menu locking function where after 30 seconds of inactivity it will lock. To unlock the menu hold the “**MODE**” and “**SETUP**” buttons for 3 seconds.

Main Menu	Sub Menu	Options/Values	Description
1. DMX	Address	001-512	DMX Address Setting
	Channels	7	DMX Channel Modes
		15	
		21	
		37	
		127	
		128	
2. ARTNET/sACN	1. 192.168.001.xxx	192.168.001.xxx	IP Address
	2. 255.255.255.000	255.255.255.000	Subnet Mask
	3. Net	000-127	Net
	4. Sub-Net	00-15	Sub-net
	4. Universe	00-15	Universe
	5. sACN-Uni	1-63999	sACN Universe
3. Slave	Yes		Slave Mode
	No		
4. AUTO	Yes		Auto Mode
	No		
5. Program	Mode	1-35	Built-in program
	Colour (Mode:1)	1-38	Static colour mode
	Speed (Mode:2-35)	1-100 ( <b>81</b> )	Speed
	Strobe:	0-99	Strobe
6. Dimmer	Red	000-255	Manual Dimming mode
	Green	000-255	
	Blue	000-255	
	S-White	000-255	
7. Glass fog	000-255		Glass Frost

Main Menu	Sub Menu	Options/Values		Description
8. Settings	1. Curves Select	1-4 (2)		Dimming Curve Setting
	2. Dimmer Speed	<b>Fast</b>		Dimming Speed Setting
		Smooth		
	3. Pixel Dir	<b>Normal</b>		Pixel Direction
		Inverted		
	4. Display	<b>Normal</b>		Display setting
		Inverted		
	5. DMX Fail	<b>Blackout</b>		DMX Fail Setting
		Hold		
		Dimmer		
Program				
6. Fan Mode	<b>Auto</b>		Fan Speed Setting	
	High			
	Slow			
7. Backlight Time	5s		Backlight Time setting	
	10s			
	20s			
	<b>30s</b>			
	ON			
8. Lock	<b>On</b>		Lock Screen	
	Off			
9. Calibration	Password(088)	1.S-White 1: 000-255	Calibration setting	
		...		
		6.S-White 6: 000-255		
10. Factory	Yes		Restore Factory Setting	
	<b>No</b>			
9. Information	Version: x.x		Fixture Information	
	T1:xx °C T2:xx °C			
	Work Time:xxxxxh			
	UID: 0x09A5-xxxxxxx			
	MAC:xxxxxxxxxxx			



Channel							Value	Function
7 CH	15 CH	21 CH	37 CH	127 CH	128 CH	141 CH		
1	1	1	-	-	-	1	000-255	Red dimmer (0-100%)
2	2	2	-	-	-	2	000-255	Green dimmer (0-100%)
3	3	3	-	-	-	3	000-255	Blue dimmer (0-100%)
4	4	-	-	-	-	4	000-255	White Strobe (0-100%)
5	6	5	25	-	1	5	000-255	RGB dimmer (0-100%)
6	7	6	26	-	-	6	000-255	RGB dimmer fine (0-100%)
-	8	7	27	-	-	7	000-255	RGB strobe duration
-	9	8	28	-	-	8	<b>RGB Strobe Rate</b>	
							000-006	No function
							007-255	Speed (slow-fast)
-	10	9	29	-	-	9	<b>RBG Strobe Mode</b>	
							000-005	No function
							006-050	Ramp up
							051-100	Ramp down
							101-150	Ramp up-down
							151-200	Lightning
							201-255	Random
5	6	13	32	-	-	10	000-255	White strobe dimmer (0-100%)
6	7	14	33	-	-	11	000-255	White strobe dimmer fine (0-100%)
-	8	15	34	-	-	12	000-255	White strobe duration
-	9	16	35	-	-	13	<b>White Strobe Rate</b>	
							000-006	No function
							007-255	Speed (slow-fast)
-	10	17	36	-	-	14	<b>White Strobe Mode</b>	
							000-005	No function
							006-050	Ramp up
							051-100	Ramp down
							101-150	Ramp up-down
							151-200	Lightning
							201-255	Random
-	5	4	-	-	-	-	<b>Colour Macro</b>	
							000-010	No function
							011-016	R(255) G(000) B(000)
							017-022	R(255) G(080) B(000)
							023-028	R(255) G(108) B(000)
							029-034	R(255) G(152) B(000)
							035-040	R(255) G(163) B(000)
							041-046	R(247) G(214) B(000)
							047-052	R(230) G(215) B(000)
							053-058	R(225) G(232) B(000)
							059-064	R(210) G(255) B(000)



Channel							Value	Function
7 CH	15 CH	21 CH	37 CH	127 CH	128 CH	141 CH		
-	5	4	-	-	-	-	<b>Colour Macro cont.</b>	
							065-070	R(145) G(194) B(000)
							071-076	R(108) G(226) B(000)
							077-082	R(080) G(232) B(000)
							083-088	R(075) G(255) B(000)
							089-094	R(032) G(223) B(000)
							095-100	R(029) G(255) B(000)
							101-106	R(000) G(255) B(000)
							107-112	R(000) G(255) B(094)
							113-118	R(006) G(255) B(143)
							119-124	R(115) G(255) B(165)
							125-130	R(205) G(255) B(199)
							131-136	R(219) G(232) B(175)
							137-142	R(213) G(220) B(222)
							143-148	R(137) G(255) B(227)
							149-154	R(149) G(246) B(255)
							155-160	R(000) G(255) B(234)
							161-166	R(000) G(199) B(255)
							167-172	R(000) G(078) B(255)
							173-178	R(000) G(000) B(255)
							179-184	R(040) G(001) B(255)
							185-190	R(226) G(175) B(226)
							191-196	R(255) G(138) B(219)
							197-202	R(255) G(059) B(113)
							203-208	R(255) G(000) B(044)
209-214	R(214) G(134) B(048)							
215-220	R(255) G(235) B(052)							
221-226	R(255) G(200) B(040)							
227-232	R(255) G(150) B(030)							
233-255	R(255) G(255) B(255)							
-	11	10	-	-	-	-	<b>RBG Macro</b>	
							000-005	No function
							006-015	Macro 1
							016-025	Macro 2
							026-035	Macro 3
							036-045	Macro 4
							046-055	Macro 5
							056-065	Macro 6
							066-075	Macro 7
076-085	Macro 8							

Channel							Value	Function
7 CH	15 CH	21 CH	37 CH	127 CH	128 CH	141 CH		
-	11	10	-	-	-	-	<b>RGB Macro cont.</b>	
							086-095	Macro 9
							096-105	Macro 10
							106-115	Macro 11
							116-125	Macro 12
							126-135	Macro 13
							136-145	Macro 14
							146-155	Macro 15
							156-165	Macro 16
							166-175	Macro 17
							176-185	Macro 18
							186-195	Macro 19
							196-205	Macro 20
							206-215	Macro 21
							216-225	Macro 22
226-235	Macro 23							
236-245	Macro 24							
246-255	Macro 25							
-	13	11	-	-	-	-	<b>RGB Macro Speed</b>	
							000-127	Slow-fast (Normal)
							128-255	Slow-fast (Inverted)
-	12	18	-	-	-	-	<b>White Macro</b>	
							000-005	No function
							006-033	Macro 1
							034-061	Macro 2
							062-089	Macro 3
							090-117	Macro 4
							118-145	Macro 5
							146-173	Macro 6
							174-201	Macro 7
							202-229	Macro 8
230-225	Macro 9							
-	13	19	-	-	-	-	<b>White Macro Speed</b>	
							000-127	Slow-fast (Normal)
							128-255	Slow-fast (Inverted)
-	14	12	-	-	-	-	000-255	RGB Fade (fast-slow)
-	14	20	-	-	-	-	000-255	White fade (fast-slow)
7	15	21	37	127	128	141	000-255	Glass frost (0-100%)
-	-	-	1	1	2	15	000-255	Red 1 dimmer (0-100%)
-	-	-	2	2	3	16	000-255	Green 1 dimmer (0-100%)

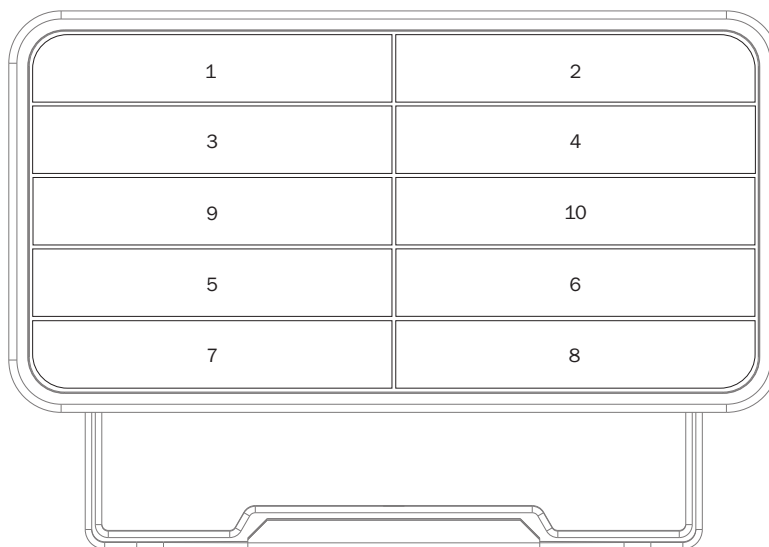
Channel							Value	Function
7 CH	15 CH	21 CH	37 CH	127 CH	128 CH	141 CH		
-	-	-	3	3	4	17	000-255	Blue 1 dimmer (0-100%)
-	-	-	1	4	5	18	000-255	Red 2 dimmer (0-100%)
-	-	-	2	5	6	19	000-255	Green 2 dimmer (0-100%)
-	-	-	3	6	7	20	000-255	Blue 2 dimmer (0-100%)
-	-	-	1	7	8	21	000-255	Red 3 dimmer (0-100%)
-	-	-	2	8	9	22	000-255	Green 3 dimmer (0-100%)
-	-	-	3	9	10	23	000-255	Blue 3 dimmer (0-100%)
-	-	-	1	10	11	24	000-255	Red 4 dimmer (0-100%)
-	-	-	2	11	12	25	000-255	Green 4 dimmer (0-100%)
-	-	-	3	12	13	26	000-255	Blue 4 dimmer (0-100%)
-	-	-	1	13	14	27	000-255	Red 5 dimmer (0-100%)
-	-	-	2	14	15	28	000-255	Green 5 dimmer (0-100%)
-	-	-	3	15	16	29	000-255	Blue 5 dimmer (0-100%)
-	-	-	4	16	17	30	000-255	Red 6 dimmer (0-100%)
-	-	-	5	17	18	31	000-255	Green 6 dimmer (0-100%)
-	-	-	6	18	19	32	000-255	Blue 6 dimmer (0-100%)
-	-	-	4	19	20	33	000-255	Red 7 dimmer (0-100%)
-	-	-	5	20	21	34	000-255	Green 7 dimmer (0-100%)
-	-	-	6	21	22	35	000-255	Blue 7 dimmer (0-100%)
-	-	-	4	22	23	36	000-255	Red 8 dimmer (0-100%)
-	-	-	5	23	24	37	000-255	Green 8 dimmer (0-100%)
-	-	-	6	24	25	38	000-255	Blue 8 dimmer (0-100%)
-	-	-	4	25	26	39	000-255	Red 9 dimmer (0-100%)
-	-	-	5	26	27	40	000-255	Green 9 dimmer (0-100%)
-	-	-	6	27	28	41	000-255	Blue 9 dimmer (0-100%)
-	-	-	4	28	29	42	000-255	Red 10 dimmer (0-100%)
-	-	-	5	29	30	43	000-255	Green 10 dimmer (0-100%)
-	-	-	6	30	31	44	000-255	Blue 10 dimmer (0-100%)
-	-	-	7	31	32	45	000-255	Red 11 dimmer (0-100%)
-	-	-	8	32	33	46	000-255	Green 11 dimmer (0-100%)
-	-	-	9	33	34	47	000-255	Blue 11 dimmer (0-100%)
-	-	-	7	34	35	48	000-255	Red 12 dimmer (0-100%)
-	-	-	8	35	36	49	000-255	Green 12 dimmer (0-100%)
-	-	-	9	36	37	50	000-255	Blue 12 dimmer (0-100%)
-	-	-	7	37	38	51	000-255	Red 13 dimmer (0-100%)
-	-	-	8	38	39	52	000-255	Green 13 dimmer (0-100%)
-	-	-	9	39	40	53	000-255	Blue 13 dimmer (0-100%)
-	-	-	7	40	41	54	000-255	Red 14 dimmer (0-100%)
-	-	-	8	41	42	55	000-255	Green 14 dimmer (0-100%)
-	-	-	9	42	43	56	000-255	Blue 14 dimmer (0-100%)

Channel							Value	Function
7 CH	15 CH	21 CH	37 CH	127 CH	128 CH	141 CH		
-	-	-	7	43	44	57	000-255	Red 15 dimmer (0-100%)
-	-	-	8	44	45	58	000-255	Green 15 dimmer (0-100%)
-	-	-	9	45	46	59	000-255	Blue 15 dimmer (0-100%)
-	-	-	10	46	47	60	000-255	Red 16 dimmer (0-100%)
-	-	-	11	47	48	61	000-255	Green 16 dimmer (0-100%)
-	-	-	12	48	49	62	000-255	Blue 16 dimmer (0-100%)
-	-	-	10	49	50	63	000-255	Red 17 dimmer (0-100%)
-	-	-	11	50	51	64	000-255	Green 17 dimmer (0-100%)
-	-	-	12	51	52	65	000-255	Blue 17 dimmer (0-100%)
-	-	-	10	52	53	66	000-255	Red 18 dimmer (0-100%)
-	-	-	11	53	54	67	000-255	Green 18 dimmer (0-100%)
-	-	-	12	54	55	68	000-255	Blue 18 dimmer (0-100%)
-	-	-	10	55	56	69	000-255	Red 19 dimmer (0-100%)
-	-	-	11	56	57	70	000-255	Green 19 dimmer (0-100%)
-	-	-	12	57	58	71	000-255	Blue 19 dimmer (0-100%)
-	-	-	10	58	59	72	000-255	Red 20 dimmer (0-100%)
-	-	-	11	59	60	73	000-255	Green 20 dimmer (0-100%)
-	-	-	12	60	61	74	000-255	Blue 20 dimmer (0-100%)
-	-	-	13	61	62	75	000-255	Red 21 dimmer (0-100%)
-	-	-	14	62	63	76	000-255	Green 21 dimmer (0-100%)
-	-	-	15	63	64	77	000-255	Blue 21 dimmer (0-100%)
-	-	-	13	64	65	78	000-255	Red 22 dimmer (0-100%)
-	-	-	14	65	66	79	000-255	Green 22 dimmer (0-100%)
-	-	-	15	66	67	80	000-255	Blue 22 dimmer (0-100%)
-	-	-	13	67	68	81	000-255	Red 23 dimmer (0-100%)
-	-	-	14	68	69	82	000-255	Green 23 dimmer (0-100%)
-	-	-	15	69	70	83	000-255	Blue 23 dimmer (0-100%)
-	-	-	13	70	71	84	000-255	Red 24 dimmer (0-100%)
-	-	-	14	71	72	85	000-255	Green 24 dimmer (0-100%)
-	-	-	15	72	73	86	000-255	Blue 24 dimmer (0-100%)
-	-	-	13	73	74	87	000-255	Red 25 dimmer (0-100%)
-	-	-	14	74	75	88	000-255	Green 25 dimmer (0-100%)
-	-	-	15	75	76	89	000-255	Blue 25 dimmer (0-100%)
-	-	-	16	76	77	90	000-255	Red 26 dimmer (0-100%)
-	-	-	17	77	78	91	000-255	Green 26 dimmer (0-100%)
-	-	-	18	78	79	92	000-255	Blue 26 dimmer (0-100%)
-	-	-	16	79	80	93	000-255	Red 27 dimmer (0-100%)
-	-	-	17	80	81	94	000-255	Green 27 dimmer (0-100%)
-	-	-	18	81	82	95	000-255	Blue 27 dimmer (0-100%)
-	-	-	16	82	83	96	000-255	Red 28 dimmer (0-100%)

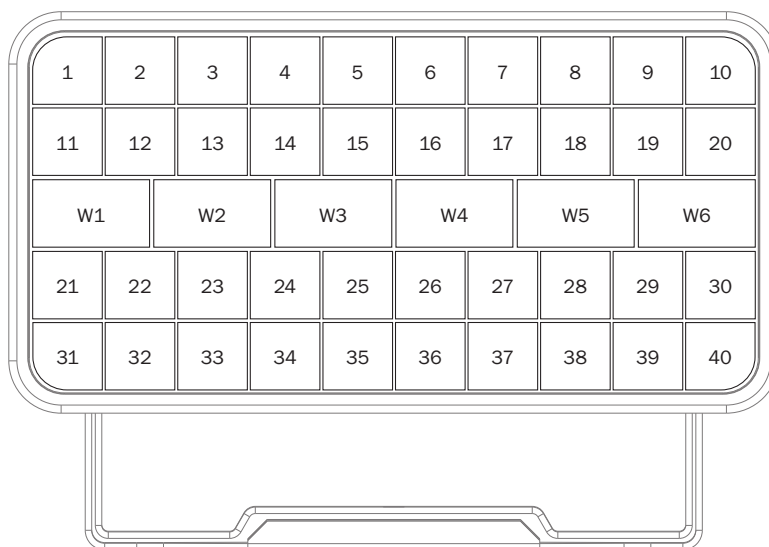
Channel							Value	Function
7 CH	15 CH	21 CH	37 CH	127 CH	128 CH	141 CH		
-	-	-	17	83	84	97	000-255	Green 28 dimmer (0-100%)
-	-	-	18	84	85	98	000-255	Blue 28 dimmer (0-100%)
-	-	-	16	85	86	99	000-255	Red 29 dimmer (0-100%)
-	-	-	17	86	87	100	000-255	Green 29 dimmer (0-100%)
-	-	-	18	87	88	101	000-255	Blue 29 dimmer (0-100%)
-	-	-	16	88	89	102	000-255	Red 30 dimmer (0-100%)
-	-	-	17	89	90	103	000-255	Green 30 dimmer (0-100%)
-	-	-	18	90	91	104	000-255	Blue 30 dimmer (0-100%)
-	-	-	19	91	92	105	000-255	Red 31 dimmer (0-100%)
-	-	-	20	92	93	106	000-255	Green 31 dimmer (0-100%)
-	-	-	21	93	94	107	000-255	Blue 31 dimmer (0-100%)
-	-	-	19	94	95	108	000-255	Red 32 dimmer (0-100%)
-	-	-	20	95	96	109	000-255	Green 32 dimmer (0-100%)
-	-	-	21	96	97	110	000-255	Blue 32 dimmer (0-100%)
-	-	-	19	97	98	111	000-255	Red 33 dimmer (0-100%)
-	-	-	20	98	99	112	000-255	Green 33 dimmer (0-100%)
-	-	-	21	99	100	113	000-255	Blue 33 dimmer (0-100%)
-	-	-	19	100	101	114	000-255	Red 34 dimmer (0-100%)
-	-	-	20	101	102	115	000-255	Green 34 dimmer (0-100%)
-	-	-	21	102	103	116	000-255	Blue 34 dimmer (0-100%)
-	-	-	19	103	104	117	000-255	Red 35 dimmer (0-100%)
-	-	-	20	104	105	118	000-255	Green 35 dimmer (0-100%)
-	-	-	21	105	106	119	000-255	Blue 35 dimmer (0-100%)
-	-	-	22	106	107	120	000-255	Red 36 dimmer (0-100%)
-	-	-	23	107	108	121	000-255	Green 36 dimmer (0-100%)
-	-	-	24	108	109	122	000-255	Blue 36 dimmer (0-100%)
-	-	-	22	109	110	123	000-255	Red 37 dimmer (0-100%)
-	-	-	23	110	111	124	000-255	Green 37 dimmer (0-100%)
-	-	-	24	111	112	125	000-255	Blue 37 dimmer (0-100%)
-	-	-	22	112	113	126	000-255	Red 38 dimmer (0-100%)
-	-	-	23	113	114	127	000-255	Green 38 dimmer (0-100%)
-	-	-	24	114	115	128	000-255	Blue 38 dimmer (0-100%)
-	-	-	22	115	116	129	000-255	Red 39 dimmer (0-100%)
-	-	-	23	116	117	130	000-255	Green 39 dimmer (0-100%)
-	-	-	24	117	118	131	000-255	Blue 39 dimmer (0-100%)
-	-	-	22	118	119	132	000-255	Red 40 dimmer (0-100%)
-	-	-	23	119	120	133	000-255	Green 40 dimmer (0-100%)
-	-	-	24	120	121	134	000-255	Blue 40 dimmer (0-100%)
-	-	-	30	121	122	135	000-255	Strobe White 1 dimmer (0-100%)

Channel							Value	Function
7 CH	15 CH	21 CH	37 CH	127 CH	128 CH	141 CH		
-	-	-	30	122	123	136	000-255	Strobe White 2 dimmer (0-100%)
-	-	-	30	123	124	137	000-255	Strobe White 3 dimmer (0-100%)
-	-	-	31	124	125	138	000-255	Strobe White 4 dimmer (0-100%)
-	-	-	31	125	126	139	000-255	Strobe White 5 dimmer (0-100%)
-	-	-	31	126	127	140	000-255	Strobe White 6 dimmer (0-100%)

### 37 CHANNEL MODE



### 127/128/141 CHANNEL MODE



### Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100, 101, 102, 103, 104, 105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

### DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

### DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to 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 fixture 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.

### DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit requires either a standard 3-pin or 5-pin XLR connector for data input/output, see images below.



Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight Concepts dealers.

Please quote:	3-Pin:	<b>CABL10 – 2m</b>	<b>CABL11 – 5m</b>	<b>CABL12 – 10m</b>
	5-Pin:	<b>CABL185 – 2m</b>	<b>CABL187 – 5m</b>	<b>CABL188 – 10m</b>

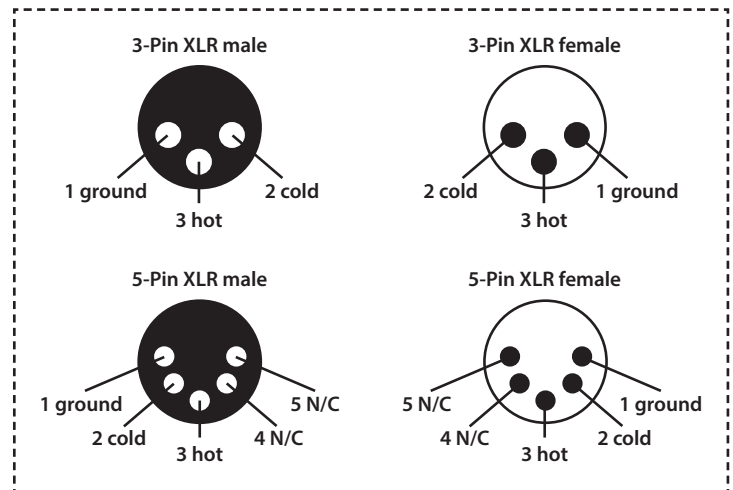
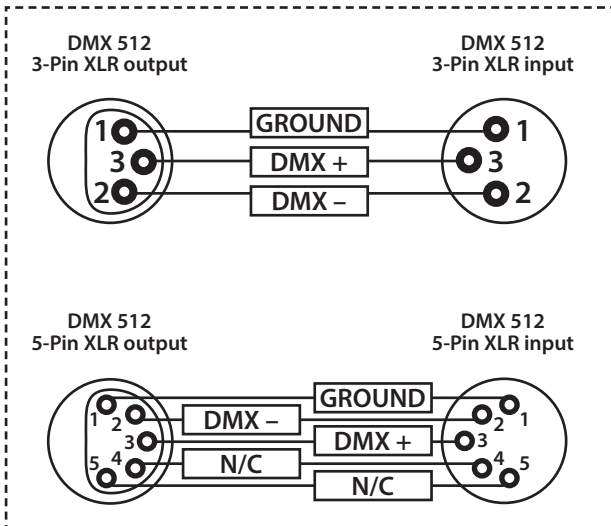
Also remember that DMX cable must be daisy chained and cannot be split.



### Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.

Pin Configuration	
3-Pin	5-Pin
	Pin 1 - Ground
	Pin 2 - Negative
	Pin 3 - Positive
-	Pin 4 - N/C
-	Pin 5 - N/C

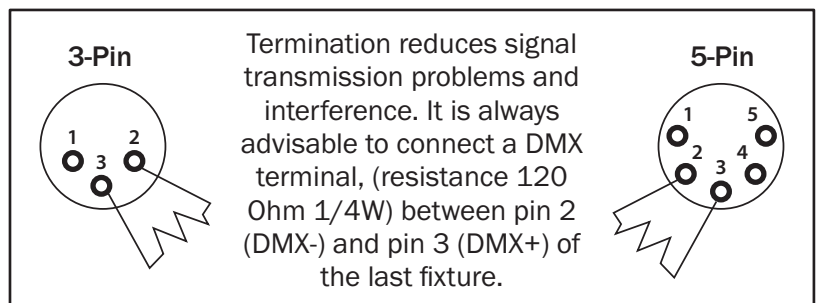


### Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

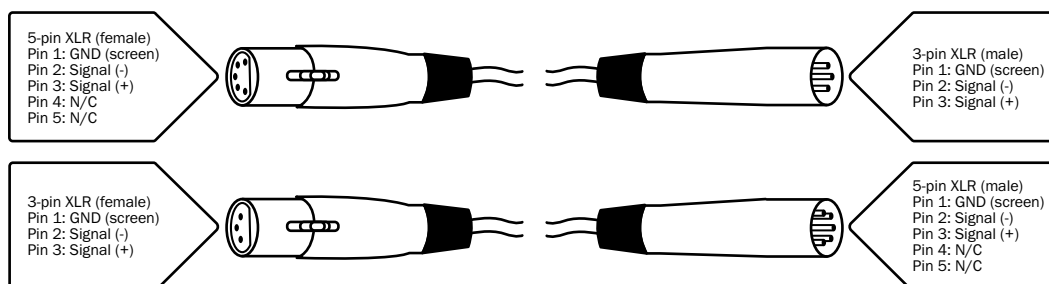
**Using a cable terminator will decrease the possibilities of erratic behaviour.**

(3-pin - Order ref: CABL90,  
5-pin - Order ref: CABL89)



### 5-pin XLR DMX connectors:

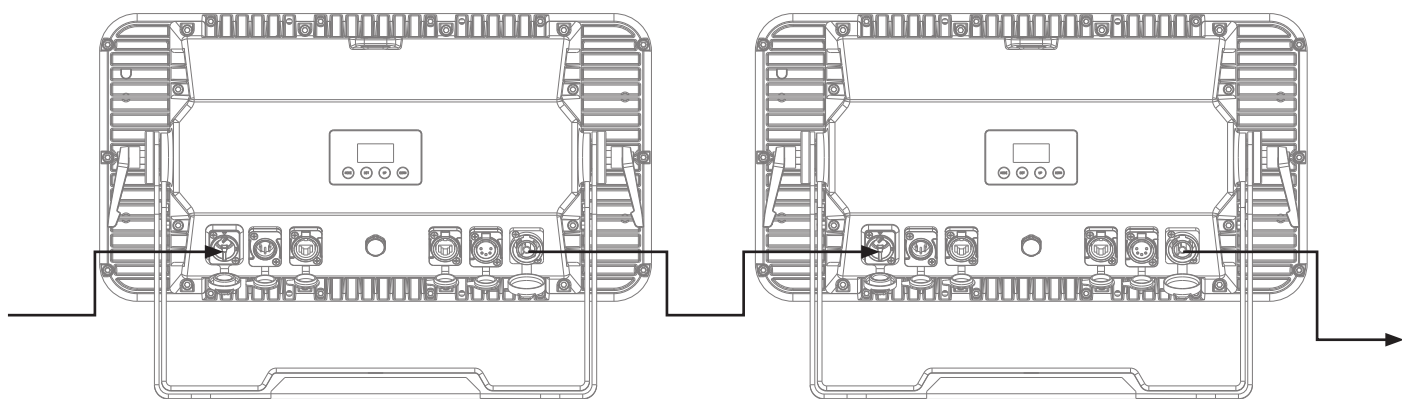
Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



### Power linking:

This fixture provides power linking via the power output on the rear allowing multiple units to be connected together. The maximum number of fixtures that can be connected is 4 fixtures @ 240V or 2 fixtures @ 120V (including the first fixture). After the maximum number of fixtures are connected a new power run will need to be started.

Please note: Caution should be used when power linking other fixtures to the Meteor 848 IP FX Panel as the power consumption of other fixtures will vary. Fixtures fitted with lamps often require 2/3 times more current on startup, these may require their own power source.





***Correct Disposal of this Product  
(Waste Electrical & Electronic Equipment)***

**(Applicable in the European Union and other European countries  
with separate collection systems)**

This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

