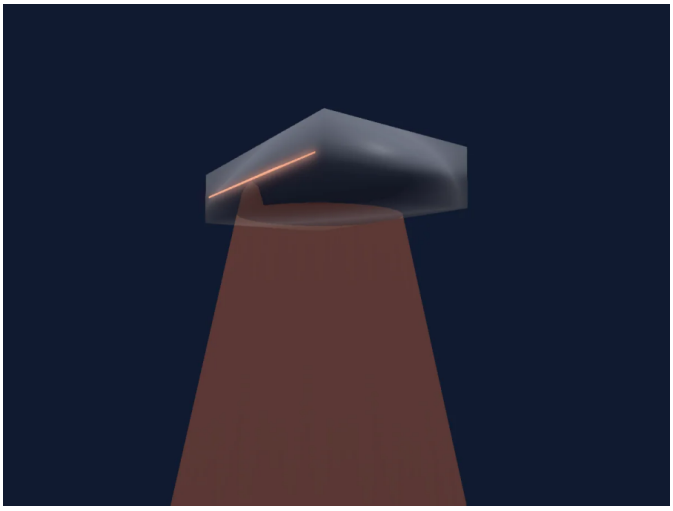
OGSON fixtures

Aputure MC Pro



Manufacturer	**OGSON fixtures**
Type	**PAR**
DMX modes	**24**
DMX footprint	**1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 13, 15 channels**
Beam angle	**25°**
Size (W × H × D)	**110 × 25 × 70 mm**
GDTF fixture type	**1F7EDA10-45F0-40E4-8E77-71E…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Strobe · Dimmer

DMX modes

Mode 11: Ultimate Mode - 8Bit (11ch)	1 ch
Mode 9: FX - 8Bit (10ch) not ready	1 ch
Mode 21: FX - 16Bit (11ch)	2 ch
Mode 23: Ultimate Mode -16Bit (16ch)	2 ch
Mode 2: CCT - 8Bit (4ch)	4 ch
Mode 7: xy - 8Bit (4ch)	4 ch
Mode 10: WWRGB - 8Bit (5ch)	5 ch
Mode 4: RGB - 8Bit (5ch)	5 ch
Mode 5: HSIC - 8Bit (5ch)	5 ch
Mode 8: Source - 8Bit (5ch)	5 ch
Mode 12: HSIC+ - 8Bit (6ch)	6 ch
Mode 20: Source -16Bit (6ch)	6 ch
Mode 6: Gel Mode - 8Bit (6ch)	6 ch
Mode 14: CCT - 16Bit (7ch)	7 ch
Mode 19: xy -16Bit (7ch)	7 ch
Mode 3: CCT HSI - 8Bit (7ch)	7 ch
Mode 1: CCT RGB - 8Bit (8ch)	8 ch
Mode 18: GEL-16Bit (8ch)	8 ch
Mode 16: RGB -16Bit (9ch)	9 ch
Mode 17: HSIC - 16Bit (9ch)	9 ch
Mode 22: WWRGB -16Bit (10ch)	10 ch
Mode 24: HSIC+ - 16Bit (11ch)	11 ch
Mode 15: CCT HSI - 16Bit (13ch)	13 ch
Mode 13: CCT RGB - 16Bit (15ch)	15 ch

Mode 11: Ultimate Mode - 8Bit (11ch)

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

Mode 9: FX - 8Bit (10ch) not ready

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

Mode 21: FX - 16Bit (11ch)

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer

Mode 23: Ultimate Mode -16Bit (16ch)

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer

Mode 2: CCT - 8Bit (4ch)

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	128	
3	Tint	0	0–10 No function 11–119 - Green 120–145 No function 146–255 + Green
4	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 7: xy - 8Bit (4ch)

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C IEX	136	
3	C IEY	125	
4	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 10: WWRGB - 8Bit (5ch)

5 channels

Ch	Function	Default	DMX values
1	Color Add WW	0	
2	White	0	
3	Red	255	
4	Green	255	
5	Blue	255	

Mode 4: RGB - 8Bit (5ch)

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	255	
3	Green	255	
4	Blue	255	
5	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 5: HSIC - 8Bit (5ch)

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	H SBHue	0	
3	H SBSaturation	0	
4	C TC	128	
5	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 8: Source - 8Bit (5ch)

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

Mode 8: Source - 8Bit (5ch) (continued)

Ch	Function	Default	DMX values
2	Source	0	0–2 Tungsten Bulb 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Warm Antique Bulb 15–17 Christmas Lights 18–20 Night Light 21–23 Infrared Heat Lamp 24–26 Grow Light 27–29 CFL Soft White CFL 30–32 Bright White 33–35 CFL Cool White 36–38 CFL Daylight 39–41 Cool White 1 42–44 Cool White 2 45–47 Cool White 3 48–50 Warm White 51–53 CFL Blacklight 54–56 HMI 57–59 High Pressure Sodium 60–62 Low Pressure Sodium 63–65 Mercury Vapor 66–68 Metal Halide 69–71 Ceramic 72–74 Carbon Arc 75–77 Xenon 78–80 Candle 81–83 Gas Fire 84–86 Sun Direct 87–89 Sun Overcast 90–92 Sun Blue Hour 93–95 Mobile Phone 96–98 Computer Monitor 99–101 Electroluminescence 102–104 Blow Torch 105–107 Road Flare 108–110 Amber Caution 111–113 Green Traffic Light 114–116 Yellow Traffic Light 117–119 Red Traffic Light 120–122 Blue Glow Stick 123–125 Green Glow Stick 126–128 Red Glow Stick 129–131 Yellow Glow Stick 132–135 Pink Glow Stick 136–138 Violet Glow Stick 139–255 Reserved
3	C IEX	136	
4	C IEY	125	
5	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 12: HSIC+ - 8Bit (6ch)

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

Mode 12: HSIC+ - 8Bit (6ch) (continued)

Ch	Function	Default	DMX values
2	Tint	0	0–10 No function 11–119 - Green 120–145 No function 146–255 + Green
3	C TC	128	
4	H SBHue	0	
5	H SBSaturation	0	
6	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 20: Source -16Bit (6ch)

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer

Mode 20: Source -16Bit (6ch) (continued)

Ch	Function	Default	DMX values
3	Source	0	0–2 Tungsten Bulb 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Warm Antique Bulb 15–17 Christmas Lights 18–20 Night Light 21–23 Infrared Heat Lamp 24–26 Grow Light 27–29 CFL Soft White CFL 30–32 Bright White 33–35 CFL Cool White 36–38 CFL Daylight 39–41 Cool White 1 42–44 Cool White 2 45–47 Cool White 3 48–50 Warm White 51–53 CFL Blacklight 54–56 HMI 57–59 High Pressure Sodium 60–62 Low Pressure Sodium 63–65 Mercury Vapor 66–68 Metal Halide 69–71 Ceramic 72–74 Carbon Arc 75–77 Xenon 78–80 Candle 81–83 Gas Fire 84–86 Sun Direct 87–89 Sun Overcast 90–92 Sun Blue Hour 93–95 Mobile Phone 96–98 Computer Monitor 99–101 Electroluminescence 102–104 Blow Torch 105–107 Road Flare 108–110 Amber Caution 111–113 Green Traffic Light 114–116 Yellow Traffic Light 117–119 Red Traffic Light 120–122 Blue Glow Stick 123–125 Green Glow Stick 126–128 Red Glow Stick 129–131 Yellow Glow Stick 132–135 Pink Glow Stick 136–138 Violet Glow Stick 139–255 Reserved
4	C IEX	136	
5	C IEY	125	
6	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 6: Gel Mode - 8Bit (6ch)

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	128	0–254 3200K 255–255 5600K

Mode 6: Gel Mode - 8Bit (6ch) (continued)

Ch	Function	Default	DMX values
3	Gel Manufacture	0	0–12 Rosco 13–24 LEE 25–255 No function
4	Gel Series	0	0–9 Col Cor 10–19 Cal Cor / Col filters 20–29 Storaro / 600 series 30–39 Cinelux / Cosmetics 40–49 Reserved / 700 50–255 Reserved
5	Gel Category	0	
6	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 14: CCT - 16Bit (7ch)

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	
4	C TC Fine	128	Fine byte of C TC
5	Tint	0	0–16 No function 17–116 - Green 117–155 No function 156–255 + Green
6	Tint Fine	0	Fine byte of Tint
7	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 19: xy -16Bit (7ch)

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	136	
4	C IEX Fine	136	Fine byte of C IEX
5	C IEY	125	
6	C IEY Fine	125	Fine byte of C IEY
7	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 3: CCT HSI - 8Bit (7ch)

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	128	

Mode 3: CCT HSI - 8Bit (7ch) (continued)

Ch	Function	Default	DMX values
3	Tint	0	0–10 No function 11–119 - Green 120–145 No function 146–255 + Green
4	Crossfade	0	0–254 White 255–255 RGB
5	H SBHue	0	
6	H SBSaturation	0	
7	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 1: CCT RGB - 8Bit (8ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	128	
3	Tint	0	0–10 No function 11–119 - Green 120–145 No function 146–255 + Green
4	Crossfade	0	0–254 White 255–255 RGB
5	Red	255	
6	Green	255	
7	Blue	255	
8	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 18: GEL-16Bit (8ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	0–254 3200K 255–255 5600K
4	Gel Manufacture	0	0–12 Rosco 13–24 LEE 25–255 No function
5	Gel Series	0	0–9 Col Cor 10–19 Cal Cor / Col filters 20–29 Storaro / 600 series 30–39 Cinelux / Cosmetics 40–49 Reserved / 700 50–255 Reserved
6	Gel Category	0	
7	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz
8	Dummy	0	

Mode 16: RGB -16Bit (9ch)

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 17: HSIC - 16Bit (9ch)

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	0	
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	0	
6	H SBSaturation Fine	0	Fine byte of H SBSaturation
7	C TC	128	
8	C TC Fine	128	Fine byte of C TC
9	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 22: WWRGB -16Bit (10ch)

10 channels

Ch	Function	Default	DMX values
1	Color Add WW	0	
2	Color Add WW Fine	0	Fine byte of Color Add WW
3	White	0	
4	White Fine	0	Fine byte of White
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue

Mode 24: HSIC+ - 16Bit (11ch)

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

Mode 24: HSIC+ - 16Bit (11ch) (continued)

Ch	Function	Default	DMX values
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	
4	C TC Fine	128	Fine byte of C TC
5	Tint	0	0–16 No function 17–116 - Green 117–155 No function 156–255 + Green
6	Tint Fine	0	Fine byte of Tint
7	H SBHue	0	
8	H SBHue Fine	0	Fine byte of H SBHue
9	H SBSaturation	0	
10	H SBSaturation Fine	0	Fine byte of H SBSaturation
11	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 15: CCT HSI - 16Bit (13ch)

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	
4	C TC Fine	128	Fine byte of C TC
5	Tint	0	0–16 No function 17–116 - Green 117–155 No function 156–255 + Green
6	Tint Fine	0	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 RGB
8	Crossfade Fine	0	Fine byte of Crossfade
9	H SBHue	0	
10	H SBHue Fine	0	Fine byte of H SBHue
11	H SBSaturation	0	
12	H SBSaturation Fine	0	Fine byte of H SBSaturation
13	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz

Mode 13: CCT RGB - 16Bit (15ch)

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	
4	C TC Fine	128	Fine byte of C TC

Mode 13: CCT RGB - 16Bit (15ch) (continued)

Ch	Function	Default	DMX values
5	Tint	0	0–16 No function 17–116 - Green 117–155 No function 156–255 + Green
6	Tint Fine	0	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 RGB
8	Crossfade Fine	0	Fine byte of Crossfade
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	Shutter / Strobe	0	0–19 Open 20–254 Shutter1Strobe 2 · Min 1–24.9 Hz 255–255 Shutter1Strobe 2 · Max 25 Hz