Portman Lights

OMNIRAY



Manufacturer	**Portman Lights**
Type	**Moving head**
DMX modes	**8**
DMX footprint	**8, 15, 16, 21, 24, 28 channels**
Beam angle	**3-85°**
Tilt range	**360°**
Heads / cells	**2**
Size (W × H × D)	**300 × 300 × 200 mm**
GDTF fixture type	**67FC08CC-0EDE-4557-B515-AE...**

Controls

Extra LED colours · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control

Safety-relevant functions

Built-in effect programmes

DMX modes

Simple RGB	8 ch
CCT	15 ch
RGBW	16 ch
TUNGSTEN	16 ch
CCT 16B	21 ch
RGBW 16B	24 ch
TUNGSTEN 16B	24 ch
FULL ACCESS 16B	28 ch

Simple RGB

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	255	
3	Green	255	
4	Blue	255	
5	Dimmer	0	0–254 Open 255–255 Close
6	Red	255	
7	Green	255	
8	Blue	255	

CCT

15 channels

Ch	Function	Default	DMX values
1	White	255	

CCT (continued)

Ch	Function	Default	DMX values
2	C TC	127	0–5 2000 K (wheel slot 1) 6–10 2100 K (wheel slot 2) 11–16 2200 K (wheel slot 3) 17–21 2300 K (wheel slot 4) 22–27 2400 K (wheel slot 5) 28–32 2500 K (wheel slot 6) 33–38 2600 K (wheel slot 7) 39–44 2700 K (wheel slot 8) 45–49 2800 K (wheel slot 9) 50–55 2900 K (wheel slot 10) 56–60 3000 K (wheel slot 11) 61–66 3100 K (wheel slot 12) 67–71 3200 K (wheel slot 13) 72–77 3300 K (wheel slot 14) 78–82 3400 K (wheel slot 15) 83–88 3500 K (wheel slot 16) 89–94 3600 K (wheel slot 17) 95–99 3700 K (wheel slot 18) 100–105 3800 K (wheel slot 19) 106–110 3900 K (wheel slot 20) 111–116 4000 K (wheel slot 21) 117–121 4100 K (wheel slot 22) 122–127 4200 K (wheel slot 23) 128–133 4300 K (wheel slot 24) 134–138 4400 K (wheel slot 25) 139–144 4500 K (wheel slot 26) 145–149 4600 K (wheel slot 27) 150–155 4700 K (wheel slot 28) 156–160 4800 K (wheel slot 29) 161–166 4900 K (wheel slot 30) 167–172 5000 K (wheel slot 31) 173–177 5100 K (wheel slot 32) 178–183 5200 K (wheel slot 33) 184–188 5300 K (wheel slot 34) 189–194 5400 K (wheel slot 35) 195–199 5500 K (wheel slot 36) 200–205 5600 K (wheel slot 37) 206–210 5700 K (wheel slot 38) 211–216 5800 K (wheel slot 39) 217–222 5900 K (wheel slot 40) 223–227 600O K (wheel slot 41) 228–233 6100 K (wheel slot 42) 234–238 6200 K (wheel slot 43) 239–244 6300 K (wheel slot 44) 245–249 6400 K (wheel slot 45) 250–255 6500 K (wheel slot 46)
3	Tint	127	0–9 Open 10–127 Minus Green 128–136 Open 137–255 Plus Green
4	Red	255	
5	Green	255	
6	Blue	255	
7	White	0	

CCT (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–9 Main source Open 10–19 Main source Closed 20–120 STROBE · Min 0.5–39.6 Hz 121–121 STROBE · Max 40 Hz 122–129 Open1 130–244 RANDOME STROBE · Min 0.5–39.7 Hz 245–245 RANDOME STROBE · Max 40 Hz 246–255 Open2
9	Shutter / Strobe	0	0–9 Narrow source Open 10–19 Narrow source Closed 20–120 STROBE · Min 0.5–39.6 Hz 121–121 STROBE · Max 40 Hz 122–129 Narrow source Shutter Open2 130–244 RANDOME STROBE · Min 0.5–29.7 Hz 245–245 RANDOME STROBE · Max 30 Hz 246–255 Narrow source Open3
10	Color Macro5	0	
11	Effects1Adjust1	255	
12	Color Wheel	0	0–3 EFFECT1 OFF 4–9 RGBWAL SNAP 10–15 RAGCBMW SNAP 16–21 RMW SNAP 22–27 G M SNAP 28–33 R B R W SNAP 34–39 R W B SNAP 40–44 M W G W SNAP 45–50 A C SNAP 51–56 B W SNAP 57–62 B M R A G SMOOTH 63–68 R A G C B M W SMOOTH 69–74 WB W WR L W SMOOTH 75–80 R W B W G W A W SMOOTH 81–85 L A R G B W A SMOOTH 86–91 G W M W SMOOTH 92–255 M R W A L W C G B W SMOOTH
13	Effect Speed	0	
14	Color1Wheel Spin	0	0–254 Narrow 255–255 Wide
15	Control1	0	0–30 Empty 31–35 Flicker Mode 1 36–40 Flicker Mode 2 41–45 Flicker Mode 3 46–60 Empty2 61–65 Square 66–70 INV Square 71–75 S-Curve 76–80 Empty3 81–95 Empty4 96–100 Dimmer Fade Smooth 101–105 Dimmer Fade Fast 106–120 Empty6 121–125 Fan Off 126–130 Fan Silent Mode 131–135 Fan Smart Mode 136–140 Fan Beast Mode 141–255 Empty7

RGBW

16 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Shutter / Strobe	0	0–9 Main source Shutter Open 10–19 Main source Shutter Close 20–121 Main Source Strobe Freq 122–129 Main source Shutter Open 130–245 Main Source RND Strobe Freq 246–255 Main source Shutter Open
10	Shutter / Strobe	0	0–9 Narrow source Open 10–19 Narrow source Closed 20–121 Narrow source Strobo Freq 122–129 Narrow source Shutter Open 130–245 Narrow source RND Strobe Freq 246–255 Narrow source Shutter Open
11	Color Macro5	0	
12	Effects1Adjust1	255	
13	Effect	0	0–3 Effect1 OFF 4–9 RGBWAL SNAP 10–15 RAGCBMW SNAP 16–21 RMW SNAP 22–27 G M SNAP 28–33 R B R W SNAP 34–39 R W B SNAP 40–44 M W G W SNAP 45–50 A C SNAP 51–56 B W SNAP 57–62 B M R A G SMOOTH 63–68 R A G C B M W SMOOTH 69–74 WB W WR L W SMOOTH 75–80 R W B W G W A W SMOOTH 81–85 L A R G B W A SMOOTH 86–91 G W M W SMOOTH 92–255 M R W A L W C G B W SMOOTH
14	Effect Speed	0	0–254 Effect1 Speed Min 255–255 Effect1 Speed Max
15	Reserved 15	0	

RGBW (continued)

Ch	Function	Default	DMX values
16	Control1	0	0–30 Empty 31–35 Flicker Mode 1 2kHz 36–40 Flicker Mode 2 4kHz 41–45 Flicker Mode 12kHz 46–60 Empty 61–65 Square 66–70 INV Square 71–75 S-Curve 76–95 Empty 96–100 Dimmer Fade Smooth 101–105 Dimmer Fade Fast 106–120 Reserved 121–125 Fan OFF 126–130 Fan Silent Mode 131–135 Fan Smart Mode 136–140 Fan Beast Mode 141–255 Empty

TUNGSTEN

16 channels

Ch	Function	Default	DMX values
1	C TC	0	
2	Red	255	
3	Green	255	
4	Blue	255	
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	0	
9	Shutter / Strobe	0	0–9 Main source Strobe Open 10–19 Main source Strobe Close 20–121 Main source Strobe Freq 122–129 Main source Strobe Open 130–245 Main source RND Strobe Freq 246–255 Main source Strobe Open
10	Shutter / Strobe	0	0–9 Narrow source Strobe Open 10–19 Narrow source Strobe Closed 20–121 Narrow source Strobe Freq 122–129 Narrow source Strobe Open 130–245 Narrow source RND Strobe Freq 246–255 Narrow source Strobe Open
11	Color Macro5	0	
12	Effects1Adjust1	255	

TUNGSTEN (continued)

Ch	Function	Default	DMX values
13	Color Effects1	0	0–3 Effect1 OFF 4–9 RGBWAL SNAP 10–15 RAGCBMW SNAP 16–21 RMW SNAP 22–27 G M SNAP 28–33 R B R W SNAP 34–39 R W B SNAP 40–44 M W G W SNAP 45–50 A C SNAP 51–56 B W SNAP 57–62 B M R A G SMOOTH 63–68 R A G C B M W SMOOTH 69–74 WB W WR L W SMOOTH 75–80 R W B W G W A W SMOOTH 81–85 L A R G B W A SMOOTH 86–91 G W M W SMOOTH 92–255 M R W A L W C G B W SMOOTH
14	Effect Speed	0	
15	Color1Wheel Spin	0	0–254 Narrow 255–255 Wide
16	Control2	0	0–30 Empty 31–35 Flicker Mode 1 36–40 Flicker Mode 2 41–45 Flicker Mode 3 46–60 Empty2 61–65 Square 66–70 INV Square 71–75 S-Curve 76–80 Empty3 81–95 Empty4 96–100 Dimmer Fade Smooth 101–105 Dimmer Fade Fast 106–120 Empty6 121–125 Fan Off 126–130 Fan Silent Mode 131–135 Fan Smart Mode 136–140 Fan Beast Mode 141–255 Empty7

CCT 16B

21 channels

Ch	Function	Default	DMX values
1	White	255	
2	White Fine	255	Fine byte of White

CCT 16B (continued)

Ch	Function	Default	DMX values
3	C TC	0	0–4 2000 K (wheel slot 1) 5–10 2100 K (wheel slot 2) 11–15 2200 K (wheel slot 3) 16–21 2300 K (wheel slot 4) 22–26 2400 K (wheel slot 5) 27–32 2500 K (wheel slot 6) 33–37 2600 K (wheel slot 7) 38–43 2700 K (wheel slot 8) 44–49 2800 K (wheel slot 9) 50–54 2900 K (wheel slot 10) 55–60 3000 K (wheel slot 11) 61–65 3100 K (wheel slot 12) 66–71 3200 K (wheel slot 13) 72–76 3300 K (wheel slot 14) 77–82 3400 K (wheel slot 15) 83–88 3500 K (wheel slot 16) 89–93 3600 K (wheel slot 17) 94–99 3700 K (wheel slot 18) 100–104 3800 K (wheel slot 19) 105–110 3900 K (wheel slot 20) 111–115 4000 K (wheel slot 21) 116–121 4100 K (wheel slot 22) 122–127 4200 K (wheel slot 23) 128–132 4300 K (wheel slot 24) 133–138 4400 K (wheel slot 25) 139–143 4500 K (wheel slot 26) 144–149 4600 K (wheel slot 27) 150–154 4700 K (wheel slot 28) 155–160 4800 K (wheel slot 29) 161–165 4900 K (wheel slot 30) 166–171 5000 K (wheel slot 31) 172–177 5100 K (wheel slot 32) 178–182 5200 K (wheel slot 33) 183–188 5300 K (wheel slot 34) 189–193 5400 K (wheel slot 35) 194–199 5500 K (wheel slot 36) 200–204 5600 K (wheel slot 37) 205–210 5700 K (wheel slot 38) 211–216 5800 K (wheel slot 39) 217–221 5900 K (wheel slot 40) 222–227 600O K (wheel slot 41) 228–232 6100 K (wheel slot 42) 233–238 6200 K (wheel slot 43) 239–243 6300 K (wheel slot 44) 244–249 6400 K (wheel slot 45) 250–255 6500 K (wheel slot 46)
4	C TC Fine	127	Fine byte of C TC
5	Tint	127	
6	Red	255	
7	Red Fine	255	Fine byte of Red
8	Green	255	
9	Green Fine	255	Fine byte of Green
10	Blue	255	
11	Blue Fine	255	Fine byte of Blue
12	White	0	
13	White Fine	0	Fine byte of White

CCT 16B (continued)

Ch	Function	Default	DMX values
14	Shutter / Strobe	0	0–9 Open 10–19 Closed 20–121 Main source Strobe Freq 122–129 Main source Shutter Open 130–244 Main source RND Strobe Freq Min 245–245 Main source RND Strobe Freq Max 246–255 Main source Shutter Open2
15	Shutter / Strobe	0	0–9 Open 10–19 Closed 20–120 Narrow source Strobe Freq Min 121–121 Narrow source Strobe Freq Max 122–129 Narrow source Open1 130–244 Narrow source RND Strobe Freq Min 245–245 Narrow source RND Strobe Freq Max 246–255 Narrow source Shutter Open2
16	Color Macro5	0	
17	Effects1Adjust1	255	
18	Effect	0	
19	Effect Speed	0	
20	Reserved 20	0	
21	Control1	0	0–30 NO FUNCTION 31–35 FLICKER MODE 1 36–40 FLICKER MODE 2 41–45 FLICKER MODE 3 46–60 RESERVED 61–65 SQUARE 66–70 INV SQUARE 71–75 S-CURVE 76–80 NO FUNCTION 81–95 RESERVED 96–100 DIMMER FADE SMOOTH 101–105 DIMMER FADE FAST 106–120 RESERVED 121–125 FAN OFF 126–130 FAN SILENT MODE 131–135 FAN SMART MODE 136–140 FAN BEAST MODE 141–255 RESERVED

RGBW 16B

24 channels

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

RGBW 16B (continued)

Ch	Function	Default	DMX values
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	0	
16	White Fine	0	Fine byte of White
17	Shutter / Strobe	0	0–9 Main source Open 10–19 Main source Closed 20–121 Main source Strobe Freq 122–129 Main source Shutter Open 130–245 Main source RND Strobe Freq 246–255 Main source Shutter Open
18	Shutter / Strobe	0	0–9 Narrow source Open 10–19 Narrow Source Closed 20–121 Narrow source Strobe Freq 122–129 Narrow source Shutter Open1 130–245 Narrow source RND Strobe Freq 246–255 Narrow source Strobe Open2
19	Color Macro1	0	
20	Effects1Adjust1	255	
21	Effect	0	
22	Color Effects1	0	0–3 EFFECT1 OFF 4–9 RGBWAL SNAP 10–15 RAGCBMW SNAP 16–21 RMW SNAP 22–27 G M SNAP 28–33 R B R W SNAP 34–39 R W B SNAP 40–44 M W G W SNAP 45–50 A C SNAP 51–56 B W SNAP 57–62 B M R A G SMOOTH 63–68 R A G C B M W SMOOTH 69–74 WB W WR L W SMOOTH 75–80 R W B W G W A W SMOOTH 81–85 L A R G B W A SMOOTH 86–91 G W M W SMOOTH 92–255 M R W A L W C G B W SMOOTH
23	Reserved 23	0	
24	Control1	0	0–30 Empty 31–35 Flicker Mode 1 36–40 Flicker Mode 2 41–45 Flicker Mode 3 46–60 Empty2 61–65 Square 66–70 INV Square 71–75 S-Curve 76–80 Empty3 81–95 Empty4 96–100 Dimmed Fade Smooth 101–105 Dimmer Fade Fast 106–120 Empty5 121–125 Fan OFF 126–130 Fan Silent Mode 131–135 Fan Smarte Mode 136–140 Fan Beast Mode 141–255 Empty6

TUNGSTEN 16B

24 channels

Ch	Function	Default	DMX values
1	C TC	0	
2	C TC Fine	0	Fine byte of C TC
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	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	White	0	
16	White Fine	0	Fine byte of White
17	Shutter / Strobe	0	0–9 Main source Strobe Open 10–19 Main source Strobe Close 20–121 Main Source Strobe Freq 122–129 Main source Strobe Open 130–245 Main source RND Strobe Freq 246–255 Main source Strobe Open
18	Shutter / Strobe	0	0–9 Narrow source Strobe Open 10–19 Narrow source Strobe Close 20–121 Narrow source Strobe Freq 122–129 Narrow source Strobe Open 130–245 Narrow source RND Strobe Freq 246–255 Narrow source Strobe Open
19	Color Macro5	0	
20	Effects1Adjust1	255	
21	Color Effects1	0	0–3 Effect1 OFF 4–9 RGBWAL SNAP 10–15 RAGCBMW SNAP 16–21 RMW SNAP 22–27 G M SNAP 28–33 R B R W SNAP 34–39 R W B SNAP 40–44 M W G W SNAP 45–50 A C SNAP 51–56 B W SNAP 57–62 B M R A G SMOOTH 63–68 R A G C B M W SMOOTH 69–74 WB W WR L W SMOOTH 75–80 R W B W G W A W SMOOTH 81–85 L A R G B W A SMOOTH 86–91 G W M W SMOOTH 92–255 M R W A L W C G B W SMOOTH
22	Effect Speed	0	0–254 Slow 255–255 Fast
23	Color1Wheel Spin	0	0–254 Narrow 255–255 Wide

TUNGSTEN 16B (continued)

Ch	Function	Default	DMX values
24	Control2	0	0–30 Empty 31–35 Flicker Mode 1 36–40 Flicker Mode 2 41–45 Flicker Mode 3 46–60 Empty2 61–65 Square 66–70 INV Square 71–75 S-Curve 76–80 Empty3 81–95 Empty4 96–100 Dimmer Fade Smooth 101–105 Dimmer Fade Fast 106–120 Empty6 121–125 Fan Off 126–130 Fan Silent Mode 131–135 Fan Smart Mode 136–140 Fan Beast Mode 141–255 Empty7

FULL ACCESS 16B

28 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	Color Add RY	0	
10	Color Add RY Fine	0	Fine byte of Color Add RY
11	Color Add GY	0	
12	Color Add GY Fine	0	Fine byte of Color Add GY
13	Red	255	
14	Red Fine	255	Fine byte of Red
15	Green	255	
16	Green Fine	255	Fine byte of Green
17	Blue	255	
18	Blue Fine	255	Fine byte of Blue
19	White	0	
20	White Fine	0	Fine byte of White
21	Shutter / Strobe	0	0–9 Main source Strobe Open 10–19 Main source Strobe Close 20–121 Main source Strobe Freq 122–129 Main source Strobe Open 130–245 Main source RND Strobe Freq 246–255 Main source Strobe Open

FULL ACCESS 16B (continued)

Ch	Function	Default	DMX values
22	Shutter / Strobe	0	0–9 Narrow source Strobe Open 10–19 Narrow source Strobe Close 20–121 Narrow source Strobe Freq 122–129 Narrow source Strobe Open 130–245 Narrow source RND Strobe Freq 246–255 Narrow source Strobe Open
23	Color Macro5	0	
24	Effects1Adjust1	255	
25	Color Effects1	0	0–3 EFFECT1 OFF 4–9 RGBWAL SNAP 10–15 RAGCBMW SNAP 16–21 RMW SNAP 22–27 G M SNAP 28–33 R B R W SNAP 34–39 R W B SNAP 40–44 M W G W SNAP 45–50 A C SNAP 51–56 B W SNAP 57–62 B M R A G SMOOTH 63–68 R A G C B M W SMOOTH 69–74 WB W WR L W SMOOTH 75–80 R W B W G W A W SMOOTH 81–85 L A R G B W A SMOOTH 86–91 G W M W SMOOTH 92–255 M R W A L W C G B W SMOOTH
26	Effect Speed	0	
27	Reserved 27	0	
28	Control2	0	0–30 Empty 31–35 Flicker Mode 1 36–40 Flicker Mode 2 41–45 Flicker Mode 3 46–60 Empty2 61–65 Square 66–70 INV Square 71–75 S-Curve 76–80 Empty3 81–95 Empty4 96–100 Dimmed Fade Smooth 101–105 Dimmer Fade Fast 106–120 Empty5 121–125 Fan OFF 126–130 Fan Silent Mode 131–135 Fan Smarte Mode 136–140 Fan Beast Mode 141–255 Empty6