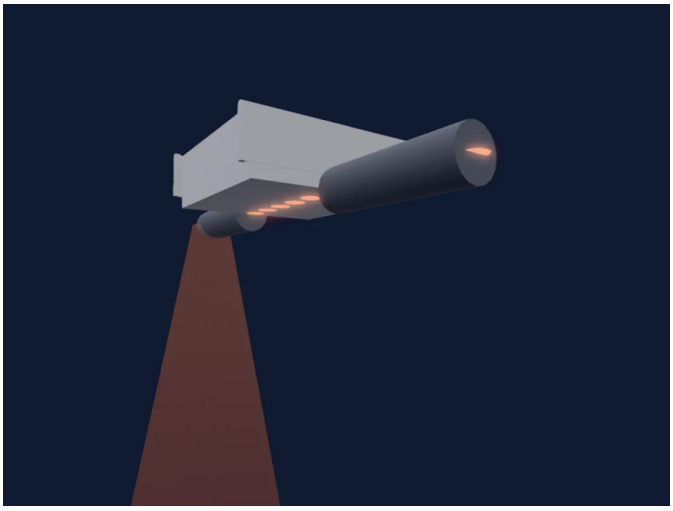
flashPRO

MATRIX LED 1630



Manufacturer	**flashPRO**
Type	**PAR**
DMX modes	**30**
DMX footprint	**3, 4, 6, 7, 8, 10, 19, 22, 28, 32, 67, 70, 100 channels**
Beam angle	**22.5-25°**
Size (W × H × D)	**356 × 114 × 356 mm**
GDTF fixture type	**5BD821F9-A187-4EAA-B948-5F…**

Controls

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

Safety-relevant functions

Strobe

DMX modes

16xRGB	3 ch
4xRGB	3 ch
RGB	3 ch
16xRGBW	4 ch
4xRGBW	4 ch
RGBW	4 ch
16xClassic-6	6 ch
16xRGB 16bit	6 ch
4xClassic-6	6 ch
4xRGB 16bit	6 ch
Classic-18	6 ch
Classic-6	6 ch
Classic-66	6 ch
Pro-6	6 ch
RGB 16bit	6 ch
Pro-28	7 ch
Pro-7	7 ch
16xRGBW 16bit	8 ch
4xRGBW 16bit	8 ch
Classic-8	8 ch
Flash A-DMX	8 ch
RGBW 16bit	8 ch
M-Control-10	10 ch
Pro-19	19 ch

M-Control-22	22 ch
M-Control-28	28 ch
4xFlash A-DMX	32 ch
Pro-67	67 ch
M-Control-70	70 ch
M-Control-100	100 ch

16xRGB

3 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	

4xRGB

3 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	

RGB

3 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	

16xRGBW

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	

4xRGBW

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	

RGBW

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	

16xClassic-6

6 channels

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

16xClassic-6 (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	

16xRGB 16bit

6 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

4xClassic-6

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	

4xRGB 16bit

6 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

Classic-18

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe

Classic-18 (continued)

Ch	Function	Default	DMX values
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	

Classic-6

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	

Classic-66

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	

Pro-6

6 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Dimmer	0	0–254 Closed 255–255 Open
6	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe

RGB 16bit

6 channels

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

RGB 16bit (continued)

Ch	Function	Default	DMX values
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue

Pro-28

7 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe

Pro-7

7 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe

16xRGBW 16bit

8 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

4xRGBW 16bit

8 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

Classic-8

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	
7	Color Macro1	0	
8	Color Macro1Rate	0	0–0 Open 1–254 Fast pulse 255–255 Slow pulse

Flash A-DMX

8 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Dimmer	0	0–254 Closed 255–255 Open
6	Reserved 6	0	
7	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
8	Color Macro1	0	

RGBW 16bit

8 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

RGBW 16bit (continued)

Ch	Function	Default	DMX values
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White

M-Control-10

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	
7	Color Macro1	0	
8	Color Macro1Rate	0	0–0 Fast change 1–254 Fast pulse 255–255 Slow change
9	Background Macro Color	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Cyan (wheel slot 5) 26–30 Magenta (wheel slot 6) 31–35 Yellow (wheel slot 7) 36–40 Light red (wheel slot 8) 41–45 Light green (wheel slot 9) 46–50 Light blue (wheel slot 10) 51–55 Orange (wheel slot 11) 56–60 Mint (wheel slot 12) 61–65 Sky blue (wheel slot 13) 66–70 Light cyan (wheel slot 14) 71–75 Light magenta (wheel slot 15) 76–80 Light yellow (wheel slot 16) 81–85 White (wheel slot 17) 86–90 9000K (wheel slot 18) 91–95 6500K (wheel slot 19) 96–100 5600K (wheel slot 20) 101–105 5000K (wheel slot 21) 106–110 4500K (wheel slot 22) 111–115 3200K (wheel slot 23) 116–120 2500K (wheel slot 24) 121–255 2200K (wheel slot 25)
10	Background Macro Dimmer	0	0–254 Closed 255–255 Open

Pro-19

19 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	

Pro-19 (continued)

Ch	Function	Default	DMX values
3	Blue	255	
4	White	0	
5	Reserved 5	0	
6	Reserved 6	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Dimmer	0	0–254 Closed 255–255 Open
18	Dimmer Fine	0	Fine byte of Dimmer
19	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe

M-Control-22

22 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Color Macro1	0	

M-Control-22 (continued)

Ch	Function	Default	DMX values
20	Color Macro1Rate	0	0–0 Open 1–254 Fast pulse 255–255 Slow pulse
21	Background Macro Color	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Cyan (wheel slot 5) 26–30 Magenta (wheel slot 6) 31–35 Yellow (wheel slot 7) 36–40 Light red (wheel slot 8) 41–45 Light green (wheel slot 9) 46–50 Light blue (wheel slot 10) 51–55 Orange (wheel slot 11) 56–60 Mint (wheel slot 12) 61–65 Sky blue (wheel slot 13) 66–70 Light cyan (wheel slot 14) 71–75 Light magenta (wheel slot 15) 76–80 Light yellow (wheel slot 16) 81–85 White (wheel slot 17) 86–90 9000K (wheel slot 18) 91–95 6500K (wheel slot 19) 96–100 5600K (wheel slot 20) 101–105 5000K (wheel slot 21) 106–110 4500K (wheel slot 22) 111–115 3200K (wheel slot 23) 116–120 2500K (wheel slot 24) 121–255 2200K (wheel slot 25)
22	Background Macro Dimmer	0	0–254 Closed 255–255 Open

M-Control-28

28 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	

M-Control-28 (continued)

Ch	Function	Default	DMX values
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Color Macro1	0	
26	Color Macro1Rate	0	0–0 Open 1–254 Fast pulse 255–255 Slow pulse
27	Background Macro Color	0	0–5 Open (wheel slot 1) 6–10 Red (wheel slot 2) 11–15 Green (wheel slot 3) 16–20 Blue (wheel slot 4) 21–25 Cyan (wheel slot 5) 26–30 Magenta (wheel slot 6) 31–35 Yellow (wheel slot 7) 36–40 Light red (wheel slot 8) 41–45 Light green (wheel slot 9) 46–50 Light blue (wheel slot 10) 51–55 Orange (wheel slot 11) 56–60 Mint (wheel slot 12) 61–65 Sky blue (wheel slot 13) 66–70 Light cyan (wheel slot 14) 71–75 Light magenta (wheel slot 15) 76–80 Light yellow (wheel slot 16) 81–85 White (wheel slot 17) 86–90 9000K (wheel slot 18) 91–95 6500K (wheel slot 19) 96–100 5600K (wheel slot 20) 101–105 5000K (wheel slot 21) 106–110 4500K (wheel slot 22) 111–115 3200K (wheel slot 23) 116–120 2500K (wheel slot 24) 121–255 2200K (wheel slot 25)
28	Background Macro Dimmer	0	0–254 Closed 255–255 Open

4xFlash A-DMX

32 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Dimmer	0	0–254 Closed 255–255 Open
6	Reserved 6	0	
7	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
8	Color Macro1	0	
9	Reserved 9	0	

4xFlash A-DMX (continued)

Ch	Function	Default	DMX values
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Dummy	0	

Pro-67

67 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Reserved 5	0	
6	Reserved 6	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	

Pro-67 (continued)

Ch	Function	Default	DMX values
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	

Pro-67 (continued)

Ch	Function	Default	DMX values
64	Reserved 64	0	
65	Dimmer	0	
66	Dimmer Fine	0	Fine byte of Dimmer
67	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe

M-Control-70

70 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	
6	White	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	

M-Control-70 (continued)

Ch	Function	Default	DMX values
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Color Macro1	0	
68	Color Macro1Rate	0	
69	Background Macro Color	0	
70	Background Macro Dimmer	0	

M-Control-100

100 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–10 Open 11–254 Min strobe 255–255 Max strobe
3	Red	255	
4	Green	255	
5	Blue	255	

M-Control-100 (continued)

Ch	Function	Default	DMX values
6	White	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	

M-Control-100 (continued)

Ch	Function	Default	DMX values
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	

M-Control-100 (continued)

Ch	Function	Default	DMX values
96	Reserved 96	0	
97	Color Macro1	0	
98	Color Macro1Rate	0	
99	Background Macro Color	0	
100	Background Macro Dimmer	0	