MARK

BEAM 198 MKII



Manufacturer	**MARK**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**16, 20 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**268°**
Size (W × H × D)	**392 × 373 × 122 mm**
GDTF fixture type	**0284C239-DA33-4581-AC2C-A1…**

Controls

Focus · Prism · Prism rotation · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

16 CHANNELS	16 ch
20 CHANNELS	20 ch

16 CHANNELS

16 channels

Ch	Function	Default	DMX values
1	Color Wheel	0	0–4 White (wheel slot 1) 5–8 White + Red (wheel slot 2) 9–12 Red (wheel slot 2) 13–16 Red + CTO (wheel slot 3) 17–21 CTO (wheel slot 3) 22–25 CTO + Cyan (wheel slot 4) 26–29 Cyan (wheel slot 4) 30–33 Cyan + Light Green (wheel slot 5) 34–38 Light Green (wheel slot 5) 39–42 Light Green + Light Yellow (wheel slot 6) 43–46 Light Yellow (wheel slot 6) 47–50 Light Yellow + Magenta (wheel slot 7) 51–55 Magenta (wheel slot 7) 56–59 Magenta + CTB (wheel slot 8) 60–63 CTB (wheel slot 8) 64–67 CTB + Yellow (wheel slot 9) 68–71 Yellow (wheel slot 9) 72–76 Yellow + Pink (wheel slot 10) 77–80 Pink (wheel slot 10) 81–84 Pink + Blue (wheel slot 11) 85–88 Blue (wheel slot 11) 89–93 Blue + Amber (wheel slot 12) 94–97 Amber (wheel slot 12) 98–101 Amber + White (wheel slot 13) 102–105 White (wheel slot 13) 106–110 White + Light Cyan (wheel slot 14) 111–114 Light Cyan (wheel slot 14) 115–118 Light Cyan + UV (wheel slot 15) 119–122 UV (wheel slot 15) 123–127 UV + White (wheel slot 13) 128–255 F > S
2	Shutter1Strobe	255	0–3 Close 4–103 S > F 104–107 Open 108–207 S > F 208–212 Open 213–251 S > F 252–255 Open
3	Dimmer	0	

16 CHANNELS (continued)

Ch	Function	Default	DMX values
4	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 8 (wheel slot 9) 36–39 Gobo 9 (wheel slot 10) 40–43 Gobo 10 (wheel slot 11) 44–47 Gobo 11 (wheel slot 12) 48–51 Gobo 12 (wheel slot 13) 52–55 Gobo 13 (wheel slot 14) 56–59 Gobo 14 (wheel slot 15) 60–63 Reducer 1 (wheel slot 16) 64–67 Reducer 2 (wheel slot 17) 68–71 Reducer 3 (wheel slot 18) 72–113 CW F > S 114–117 Stop 118–159 CCW S > F 160–166 Gobo 2 Shake (wheel slot 3) 167–172 Gobo 3 Shake (wheel slot 4) 173–179 Gobo 4 Shake (wheel slot 5) 180–185 Gobo 5 Shake (wheel slot 6) 186–191 Gobo 6 Shake (wheel slot 7) 192–198 Gobo 7 Shake (wheel slot 8) 199–204 Gobo 8 Shake (wheel slot 9) 205–211 Gobo 9 Shake (wheel slot 10) 212–217 Gobo 10 Shake (wheel slot 11) 218–223 Gobo 11 Shake (wheel slot 12) 224–230 Gobo 12 Shake (wheel slot 13) 231–236 Gobo 13 Shake (wheel slot 14) 237–243 Gobo 14 Shake (wheel slot 15) 244–249 Reducer 1 Shake (wheel slot 16) 250–255 Reducer 2 Shake (wheel slot 17)
5	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism (wheel slot 2)
6	Prism Rotation	0	0–127 Index 128–190 CCW 191–192 Stop 193–255 CW
7	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism (wheel slot 2)
8	Color Wheel 2	0	0–0 Open (wheel slot 1) 1–255 Rainbow (wheel slot 2)
9	Focus	0	
10	Pan	128	
11	Pan Fine	0	Fine byte of Pan
12	Tilt	128	
13	Tilt Fine	0	Fine byte of Tilt
14	No Feature	0	
15	Fixture Global Reset	0	0–127 Open 128–255 Reset
16	Lamp Control	0	0–25 No function 26–100 Lamp Off 101–255 Lamp On

20 CHANNELS

20 channels

Ch	Function	Default	DMX values
1	Color Wheel	0	0–4 White (wheel slot 1) 5–8 White + Red (wheel slot 2) 9–12 Red (wheel slot 2) 13–16 Red + CTO (wheel slot 3) 17–21 CTO (wheel slot 3) 22–25 CTO + Cyan (wheel slot 4) 26–29 Cyan (wheel slot 4) 30–33 Cyan + Light Green (wheel slot 5) 34–38 Light Green (wheel slot 5) 39–42 Light Green + Light Yellow (wheel slot 6) 43–46 Light Yellow (wheel slot 6) 47–50 Light Yellow + Magenta (wheel slot 7) 51–55 Magenta (wheel slot 7) 56–59 Magenta + CTB (wheel slot 8) 60–63 CTB (wheel slot 8) 64–67 CTB + Yellow (wheel slot 9) 68–71 Yellow (wheel slot 9) 72–76 Yellow + Pink (wheel slot 10) 77–80 Pink (wheel slot 10) 81–84 Pink + Blue (wheel slot 11) 85–88 Blue (wheel slot 11) 89–93 Blue + Amber (wheel slot 12) 94–97 Amber (wheel slot 12) 98–101 Amber + White (wheel slot 13) 102–105 White (wheel slot 13) 106–110 White + Light Cyan (wheel slot 14) 111–114 Light Cyan (wheel slot 14) 115–118 Light Cyan + UV (wheel slot 15) 119–122 UV (wheel slot 15) 123–127 UV + White (wheel slot 13) 128–255 F > S
2	Shutter / Strobe	255	0–3 Close 4–103 Strobe Slow · S > F 104–107 Open 108–207 Strobe Medium · S > F 208–212 Open 213–251 Strobe Fast · S > F 252–255 Open
3	Dimmer	0	

20 CHANNELS (continued)

Ch	Function	Default	DMX values
4	Gobo	0	0–3 Open (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 8 (wheel slot 9) 36–39 Gobo 9 (wheel slot 10) 40–43 Gobo 10 (wheel slot 11) 44–47 Gobo 11 (wheel slot 12) 48–51 Gobo 12 (wheel slot 13) 52–55 Gobo 13 (wheel slot 14) 56–59 Gobo 14 (wheel slot 15) 60–63 Reducer 1 (wheel slot 16) 64–67 Reducer 2 (wheel slot 17) 68–71 Reducer 3 (wheel slot 18) 72–113 CW F > S 114–117 Stop 118–159 CCW S > F 160–166 Gobo 2 Shake (wheel slot 3) 167–172 Gobo 3 Shake (wheel slot 4) 173–179 Gobo 4 Shake (wheel slot 5) 180–185 Gobo 5 Shake (wheel slot 6) 186–191 Gobo 6 Shake (wheel slot 7) 192–198 Gobo 7 Shake (wheel slot 8) 199–204 Gobo 8 Shake (wheel slot 9) 205–211 Gobo 9 Shake (wheel slot 10) 212–217 Gobo 10 Shake (wheel slot 11) 218–223 Gobo 11 Shake (wheel slot 12) 224–230 Gobo 12 Shake (wheel slot 13) 231–236 Gobo 13 Shake (wheel slot 14) 237–243 Gobo 14 Shake (wheel slot 15) 244–249 Reducer 1 Shake (wheel slot 16) 250–255 Reducer 2 Shake (wheel slot 17)
5	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism (wheel slot 2)
6	Prism Rotation	0	0–127 Index 128–190 CCW 191–192 Stop 193–255 CW
7	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism (wheel slot 2)
8	Color Wheel 2	0	0–0 Open (wheel slot 1) 1–255 Rainbow (wheel slot 2)
9	Focus	0	
10	Pan	128	
11	Pan Fine	0	Fine byte of Pan
12	Tilt	128	
13	Tilt Fine	0	Fine byte of Tilt
14	No Feature	0	
15	Fixture Global Reset	0	0–127 Open 128–255 Reset
16	Lamp Control	0	0–25 No function 26–100 Lamp Off 101–255 Lamp On
17	Position MSpeed	0	

20 CHANNELS (continued)

Ch	Function	Default	DMX values
18	Color Control	0	
19	Focus MSpeed	0	
20	Gobo Wheel1MSpeed	0	