MARK

BEAM WS 440 CMY



Manufacturer	**MARK**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**21, 25 channels**
Beam angle	**50°**
Pan range	**540°**
Tilt range	**268°**
Size (W × H × D)	**287 × 532 × 255 mm**
GDTF fixture type	**1D9FB349-E6DD-42D5-A907-0E…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · Extra LED colours · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

21 CHANNELS	21 ch
25 CHANNELS	25 ch

21 CHANNELS

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	8	
3	Position MSpeed	0	
4	Control1	0	0–19 No function 20–24 Energy Saving Mode 25–129 No function 130–139 Controller Light Lamp 140–149 P/T Reset 150–159 No function 160–169 Effects Reset 170–199 No function 200–209 Fixture Reset 210–229 No function 230–239 Console Lamp Off 240–255 No function
5	Color Wheel	0	0–0 White (wheel slot 1) 1–42 White + Pink (wheel slot 2) 43–43 Pink (wheel slot 2) 44–102 Pink + Light Orange (wheel slot 3) 103–103 Light Orange (wheel slot 3) 104–144 Light Orange + Light Purple (wheel slot 4) 145–145 Light Purple (wheel slot 4) 146–201 Light Purple + Blue (wheel slot 5) 202–202 Blue (wheel slot 5) 203–254 Blue + Dark Blue (wheel slot 6) 255–255 Dark Blue (wheel slot 6)
6	Color Wheel 2	0	0–0 White (wheel slot 1) 1–69 White + Dark Red (wheel slot 2) 70–70 Dark Red (wheel slot 2) 71–92 Dark Red + Dark Green (wheel slot 3) 93–93 Dark Green (wheel slot 3) 94–145 Dark Green + Light Green (wheel slot 4) 146–146 Light Green (wheel slot 4) 147–201 Light Green + UV (wheel slot 5) 202–202 UV (wheel slot 5) 203–254 UV + Dark Orange (wheel slot 6) 255–255 Dark Orange (wheel slot 6)
7	C TC	0	
8	Color Add C	0	
9	Color Add M	0	
10	Color Add Y	0	

21 CHANNELS (continued)

Ch	Function	Default	DMX values
11	Gobo	0	0–0 Open (wheel slot 1) 1–4 Spot (wheel slot 2) 5–7 Gobo 1 (wheel slot 3) 8–10 Gobo 2 (wheel slot 4) 11–13 Gobo 3 (wheel slot 5) 14–16 Gobo 4 (wheel slot 6) 17–19 Gobo 5 (wheel slot 7) 20–22 Gobo 6 (wheel slot 8) 23–25 Gobo 7 (wheel slot 9) 26–28 Gobo 8 (wheel slot 10) 29–31 Gobo 9 (wheel slot 11) 32–34 Gobo 1 Rot (wheel slot 3) 35–37 Gobo 2 Rot (wheel slot 4) 38–40 Gobo 3 Rot (wheel slot 5) 41–43 Gobo 4 Rot (wheel slot 6) 44–46 Gobo 5 Rot (wheel slot 7) 47–49 Gobo 6 Rot (wheel slot 8) 50–52 Gobo 7 Rot (wheel slot 9) 53–55 Gobo 8 Rot (wheel slot 10) 56–59 Gobo 9 Rot (wheel slot 11) 60–67 Gobo 1 Shake (wheel slot 3) 68–75 Gobo 2 Shake (wheel slot 4) 76–83 Gobo 3 Shake (wheel slot 5) 84–91 Gobo 4 Shake (wheel slot 6) 92–99 Gobo 5 Shake (wheel slot 7) 100–107 Gobo 6 Shake (wheel slot 8) 108–115 Gobo 7 Shake (wheel slot 9) 116–123 Gobo 8 Shake (wheel slot 10) 124–129 Gobo 9 Shake (wheel slot 11) 130–137 Gobo 1 Rot Shake (wheel slot 3) 138–145 Gobo 2 Rot Shake (wheel slot 4) 146–153 Gobo 3 Rot Shake (wheel slot 5) 154–161 Gobo 4 Rot Shake (wheel slot 6) 162–169 Gobo 5 Rot Shake (wheel slot 7) 170–177 Gobo 6 Rot Shake (wheel slot 8) 178–185 Gobo 7 Rot Shake (wheel slot 9) 186–193 Gobo 8 Rot Shake (wheel slot 10) 194–199 Gobo 9 Rot Shake (wheel slot 11) 200–227 CW F > S 228–229 Stop 230–255 CCW S > F
12	Gobo Rotation	0	0–0 Stop 1–127 CCW S > F 128–129 Stop 130–255 CW F > S

21 CHANNELS (continued)

Ch	Function	Default	DMX values
13	Gobo 2	0	0–0 Open (wheel slot 1) 1–4 Spot (wheel slot 2) 5–7 Gobo 1 (wheel slot 3) 8–10 Gobo 2 (wheel slot 4) 11–13 Gobo 3 (wheel slot 5) 14–16 Gobo 4 (wheel slot 6) 17–19 Gobo 5 (wheel slot 7) 20–22 Gobo 6 (wheel slot 8) 23–25 Gobo 7 (wheel slot 9) 26–28 Gobo 8 (wheel slot 10) 29–31 Gobo 9 (wheel slot 11) 32–34 Gobo 1 Rot (wheel slot 3) 35–37 Gobo 2 Rot (wheel slot 4) 38–40 Gobo 3 Rot (wheel slot 5) 41–43 Gobo 4 Rot (wheel slot 6) 44–46 Gobo 5 Rot (wheel slot 7) 47–49 Gobo 6 Rot (wheel slot 8) 50–52 Gobo 7 Rot (wheel slot 9) 53–55 Gobo 8 Rot (wheel slot 10) 56–59 Gobo 9 Rot (wheel slot 11) 60–67 Gobo 1 Shake (wheel slot 3) 68–75 Gobo 2 Shake (wheel slot 4) 76–83 Gobo 3 Shake (wheel slot 5) 84–91 Gobo 4 Shake (wheel slot 6) 92–99 Gobo 5 Shake (wheel slot 7) 100–107 Gobo 6 Shake (wheel slot 8) 108–115 Gobo 7 Shake (wheel slot 9) 116–123 Gobo 8 Shake (wheel slot 10) 124–129 Gobo 9 Shake (wheel slot 11) 130–137 Gobo 1 Rot Shake (wheel slot 3) 138–145 Gobo 2 Rot Shake (wheel slot 4) 146–153 Gobo 3 Rot Shake (wheel slot 5) 154–161 Gobo 4 Rot Shake (wheel slot 6) 162–169 Gobo 5 Rot Shake (wheel slot 7) 170–177 Gobo 6 Rot Shake (wheel slot 8) 178–185 Gobo 7 Rot Shake (wheel slot 9) 186–193 Gobo 8 Rot Shake (wheel slot 10) 194–199 Gobo 9 Rot Shake (wheel slot 11) 200–227 CW F > S 228–229 Stop 230–255 CCW S > F
14	Gobo Rotation	0	0–0 Stop 1–127 CCW S > F 128–129 Stop 130–255 CW F > S
15	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism (wheel slot 2)
16	Prism Rotation	0	0–1 Stop 2–127 CW F > S 128–129 Stop 130–255 CCW S > F
17	Frost1	0	0–64 Open 65–255 Frost
18	Zoom	128	
19	Focus	127	

21 CHANNELS (continued)

Ch	Function	Default	DMX values
20	Shutter / Strobe	255	0–31 Close 32–63 Open 64–95 Strobe Slow > Fast · Slow > Fast 96–127 Open 128–143 Pulse Fast > Slow · Fast > Slow 144–159 Pulse Slow > Fast · Slow > Fast 160–191 Open 192–223 Random Slow > Fast · Slow > Fast 224–255 Open
21	Dimmer	0	

25 CHANNELS

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	0–19 No function 20–24 Energy Saving Mode 25–129 No function 130–139 Controller Light Lamp 140–149 P/T Reset 150–159 No function 160–169 Effects Reset 170–199 No function 200–209 Fixture Reset 210–229 No function 230–239 Console Lamp Off 240–255 No function
7	Color Wheel	0	0–0 White (wheel slot 1) 1–42 White + Pink (wheel slot 2) 43–43 Pink (wheel slot 2) 44–102 Pink + Light Orange (wheel slot 3) 103–103 Light Orange (wheel slot 3) 104–144 Light Orange + Light Purple (wheel slot 4) 145–145 Light Purple (wheel slot 4) 146–201 Light Purple + Blue (wheel slot 5) 202–202 Blue (wheel slot 5) 203–254 Blue + Dark Blue (wheel slot 6) 255–255 Dark Blue (wheel slot 6)
8	Color Wheel 2	0	0–0 White (wheel slot 1) 1–69 White + Dark Red (wheel slot 2) 70–70 Dark Red (wheel slot 2) 71–92 Dark Red + Dark Green (wheel slot 3) 93–93 Dark Green (wheel slot 3) 94–145 Dark Green + Light Green (wheel slot 4) 146–146 Light Green (wheel slot 4) 147–201 Light Green + UV (wheel slot 5) 202–202 UV (wheel slot 5) 203–254 UV + Dark Orange (wheel slot 6) 255–255 Dark Orange (wheel slot 6)
9	C TC	0	
10	Color Add C	0	
11	Color Add M	0	
12	Color Add Y	0	

25 CHANNELS (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–0 Open (wheel slot 1) 1–4 Spot (wheel slot 2) 5–7 Gobo 1 (wheel slot 3) 8–10 Gobo 2 (wheel slot 4) 11–13 Gobo 3 (wheel slot 5) 14–16 Gobo 4 (wheel slot 6) 17–19 Gobo 5 (wheel slot 7) 20–22 Gobo 6 (wheel slot 8) 23–25 Gobo 7 (wheel slot 9) 26–28 Gobo 8 (wheel slot 10) 29–31 Gobo 9 (wheel slot 11) 32–34 Gobo 1 Rot (wheel slot 3) 35–37 Gobo 2 Rot (wheel slot 4) 38–40 Gobo 3 Rot (wheel slot 5) 41–43 Gobo 4 Rot (wheel slot 6) 44–46 Gobo 5 Rot (wheel slot 7) 47–49 Gobo 6 Rot (wheel slot 8) 50–52 Gobo 7 Rot (wheel slot 9) 53–55 Gobo 8 Rot (wheel slot 10) 56–59 Gobo 9 Rot (wheel slot 11) 60–67 Gobo 1 Shake (wheel slot 3) 68–75 Gobo 2 Shake (wheel slot 4) 76–83 Gobo 3 Shake (wheel slot 5) 84–91 Gobo 4 Shake (wheel slot 6) 92–99 Gobo 5 Shake (wheel slot 7) 100–107 Gobo 6 Shake (wheel slot 8) 108–115 Gobo 7 Shake (wheel slot 9) 116–123 Gobo 8 Shake (wheel slot 10) 124–129 Gobo 9 Shake (wheel slot 11) 130–137 Gobo 1 Rot Shake (wheel slot 3) 138–145 Gobo 2 Rot Shake (wheel slot 4) 146–153 Gobo 3 Rot Shake (wheel slot 5) 154–161 Gobo 4 Rot Shake (wheel slot 6) 162–169 Gobo 5 Rot Shake (wheel slot 7) 170–177 Gobo 6 Rot Shake (wheel slot 8) 178–185 Gobo 7 Rot Shake (wheel slot 9) 186–193 Gobo 8 Rot Shake (wheel slot 10) 194–199 Gobo 9 Rot Shake (wheel slot 11) 200–227 CW F > S 228–229 Stop 230–255 CCW S > F
14	Gobo Rotation	0	0–0 Stop 1–127 CCW S > F 128–129 Stop 130–255 CW F > S

25 CHANNELS (continued)

Ch	Function	Default	DMX values
15	Gobo 2	0	0–0 Open (wheel slot 1) 1–4 Spot (wheel slot 2) 5–7 Gobo 1 (wheel slot 3) 8–10 Gobo 2 (wheel slot 4) 11–13 Gobo 3 (wheel slot 5) 14–16 Gobo 4 (wheel slot 6) 17–19 Gobo 5 (wheel slot 7) 20–22 Gobo 6 (wheel slot 8) 23–25 Gobo 7 (wheel slot 9) 26–28 Gobo 8 (wheel slot 10) 29–31 Gobo 9 (wheel slot 11) 32–34 Gobo 1 Rot (wheel slot 3) 35–37 Gobo 2 Rot (wheel slot 4) 38–40 Gobo 3 Rot (wheel slot 5) 41–43 Gobo 4 Rot (wheel slot 6) 44–46 Gobo 5 Rot (wheel slot 7) 47–49 Gobo 6 Rot (wheel slot 8) 50–52 Gobo 7 Rot (wheel slot 9) 53–55 Gobo 8 Rot (wheel slot 10) 56–59 Gobo 9 Rot (wheel slot 11) 60–67 Gobo 1 Shake (wheel slot 3) 68–75 Gobo 2 Shake (wheel slot 4) 76–83 Gobo 3 Shake (wheel slot 5) 84–91 Gobo 4 Shake (wheel slot 6) 92–99 Gobo 5 Shake (wheel slot 7) 100–107 Gobo 6 Shake (wheel slot 8) 108–115 Gobo 7 Shake (wheel slot 9) 116–123 Gobo 8 Shake (wheel slot 10) 124–129 Gobo 9 Shake (wheel slot 11) 130–137 Gobo 1 Rot Shake (wheel slot 3) 138–145 Gobo 2 Rot Shake (wheel slot 4) 146–153 Gobo 3 Rot Shake (wheel slot 5) 154–161 Gobo 4 Rot Shake (wheel slot 6) 162–169 Gobo 5 Rot Shake (wheel slot 7) 170–177 Gobo 6 Rot Shake (wheel slot 8) 178–185 Gobo 7 Rot Shake (wheel slot 9) 186–193 Gobo 8 Rot Shake (wheel slot 10) 194–199 Gobo 9 Rot Shake (wheel slot 11) 200–227 CW F > S 228–229 Stop 230–255 CCW S > F
16	Gobo Rotation	0	0–0 Stop 1–127 CCW S > F 128–129 Stop 130–255 CW F > S
17	Prism	0	0–5 Open (wheel slot 1) 6–255 Prism (wheel slot 2)
18	Prism Rotation	0	0–1 Stop 2–127 CW F > S 128–129 Stop 130–255 CCW S > F
19	Frost1	0	0–64 Open 65–255 Frost
20	Zoom	128	
21	Zoom Fine	0	Fine byte of Zoom
22	Focus	127	
23	Focus Fine	127	Fine byte of Focus

25 CHANNELS (continued)

Ch	Function	Default	DMX values
24	Shutter1Strobe	255	0–31 Close 32–63 Open 64–95 Slow > Fast 96–127 Open 128–143 Fast > Slow 144–159 Slow > Fast 160–191 Open 192–223 Slow > Fast 224–255 Open
25	Dimmer	0	