MARK

MB 290 L



Manufacturer	**MARK**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**16, 20 channels**
Beam angle	**5°**
Pan range	**1°**
Tilt range	**1°**
Size (W × H × D)	**219 × 264 × 166 mm**
GDTF fixture type	**264C31D3-97D6-4DEC-ABCC-1…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Built-in effect programmes

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) 13–17 Red + Orange (wheel slot 3) 18–21 Orange (wheel slot 3) 22–25 Orange + Cyan (wheel slot 4) 26–29 Cyan (wheel slot 4) 30–34 Cyan + Lime (wheel slot 5) 35–38 Lime (wheel slot 5) 39–42 Lime + Green (wheel slot 6) 43–46 Green (wheel slot 6) 47–51 Green + Amber (wheel slot 7) 52–55 Amber (wheel slot 7) 56–59 Amber + Light Magenta (wheel slot 8) 60–63 Light Magenta (wheel slot 8) 64–68 Light Magenta + Yellow (wheel slot 9) 69–72 Yellow (wheel slot 9) 73–76 Yellow + Magenta (wheel slot 10) 77–81 Magenta (wheel slot 10) 82–85 Magenta + Blue (wheel slot 11) 86–89 Blue (wheel slot 11) 90–93 Blue + Ghost White (wheel slot 12) 94–98 Ghost White (wheel slot 12) 99–102 Ghost White + White (wheel slot 1) 103–106 White (wheel slot 1) 107–110 White + CTO (wheel slot 13) 111–115 CTO (wheel slot 13) 116–119 CTO + Blue Congo (wheel slot 14) 120–123 Blue Congo (wheel slot 14) 124–127 Blue Congo + White (wheel slot 1) 128–191 CCW F > S 192–255 CW S > F
2	Shutter1Strobe	255	0–3 Close 4–103 Strobe S > F 104–107 Open 108–207 Strobe S > F 208–212 Open 213–251 Strobe Random 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) 52–71 Gobo 13 (wheel slot 14) 72–113 CCW F > S 114–117 Stop Rotation 118–159 CW S > F 160–166 Gobo 2 Shake S > F (wheel slot 3) 167–172 Gobo 3 Shake S > F (wheel slot 4) 173–179 Gobo 4 Shake S > F (wheel slot 5) 180–185 Gobo 5 Shake S > F (wheel slot 6) 186–191 Gobo 6 Shake S > F (wheel slot 7) 192–198 Gobo 7 Shake S > F (wheel slot 8) 199–204 Gobo 8 Shake S > F (wheel slot 9) 205–211 Gobo 9 Shake S > F (wheel slot 10) 212–217 Gobo 10 Shake S > F (wheel slot 11) 218–223 Gobo 11 Shake S > F (wheel slot 12) 224–230 Gobo 12 Shake S > F (wheel slot 13) 231–255 Gobo 13 Shake S > F (wheel slot 14)
5	Prism	0	0–127 Open 128–170 Prism 1 171–213 Prism 2 214–255 Prism 1 + Prism 2
6	Prism Rotation	0	0–127 Index 128–190 CCW F > S 191–192 Stop Rotation 193–255 CW S > F
7	Effect	0	0–7 No function 8–15 Macro 1 16–31 Macro 2 32–47 Macro 3 48–63 Macro 4 64–79 Macro 5 80–95 Macro 6 96–111 Macro 7 112–127 Macro 8 128–143 Macro 9 144–159 Macro 10 160–175 Macro 11 176–191 Macro 12 192–207 Macro 13 208–223 Macro 14 224–239 Macro 15 240–255 Macro 16
8	Frost1	0	0–9 Open 10–199 Frost 200–255 Colorfull
9	Focus	127	
10	Pan	127	
11	Pan Fine	127	Fine byte of Pan

16 CHANNELS (continued)

Ch	Function	Default	DMX values
12	Tilt	127	
13	Tilt Fine	127	Fine byte of Tilt
14	No Feature	0	
15	Control1	0	0–25 No function 26–76 Reset Effects 77–127 Reset XY 128–255 Reset All
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) 13–17 Red + Orange (wheel slot 3) 18–21 Orange (wheel slot 3) 22–25 Orange + Cyan (wheel slot 4) 26–29 Cyan (wheel slot 4) 30–34 Cyan + Lime (wheel slot 5) 35–38 Lime (wheel slot 5) 39–42 Lime + Green (wheel slot 6) 43–46 Green (wheel slot 6) 47–51 Green + Amber (wheel slot 7) 52–55 Amber (wheel slot 7) 56–59 Amber + Light Magenta (wheel slot 8) 60–63 Light Magenta (wheel slot 8) 64–68 Light Magenta + Yellow (wheel slot 9) 69–72 Yellow (wheel slot 9) 73–76 Yellow + Magenta (wheel slot 10) 77–81 Magenta (wheel slot 10) 82–85 Magenta + Blue (wheel slot 11) 86–89 Blue (wheel slot 11) 90–93 Blue + Ghost White (wheel slot 12) 94–98 Ghost White (wheel slot 12) 99–102 Ghost White + White (wheel slot 1) 103–106 White (wheel slot 1) 107–110 White + CTO (wheel slot 13) 111–115 CTO (wheel slot 13) 116–119 CTO + Blue Congo (wheel slot 14) 120–123 Blue Congo (wheel slot 14) 124–127 Blue Congo + White (wheel slot 1) 128–191 CCW F > S 192–255 CW S > F
2	Shutter1Strobe	255	0–3 Close 4–103 Strobe S > F 104–107 Open 108–207 Strobe S > F 208–212 Open 213–251 Strobe Random 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) 52–71 Gobo 13 (wheel slot 14) 72–113 CCW F > S 114–117 Stop Rotation 118–159 CW S > F 160–166 Gobo 2 Shake S > F (wheel slot 3) 167–172 Gobo 3 Shake S > F (wheel slot 4) 173–179 Gobo 4 Shake S > F (wheel slot 5) 180–185 Gobo 5 Shake S > F (wheel slot 6) 186–191 Gobo 6 Shake S > F (wheel slot 7) 192–198 Gobo 7 Shake S > F (wheel slot 8) 199–204 Gobo 8 Shake S > F (wheel slot 9) 205–211 Gobo 9 Shake S > F (wheel slot 10) 212–217 Gobo 10 Shake S > F (wheel slot 11) 218–223 Gobo 11 Shake S > F (wheel slot 12) 224–230 Gobo 12 Shake S > F (wheel slot 13) 231–255 Gobo 13 Shake S > F (wheel slot 14)
5	Prism	0	0–127 Open 128–170 Prism 1 171–213 Prism 2 214–255 Prism 1 + Prism 2
6	Prism Rotation	0	0–127 Index 128–190 CCW F > S 191–192 Stop Rotation 193–255 CW S > F
7	Effect	0	0–7 No function 8–15 Macro 1 16–31 Macro 2 32–47 Macro 3 48–63 Macro 4 64–79 Macro 5 80–95 Macro 6 96–111 Macro 7 112–127 Macro 8 128–143 Macro 9 144–159 Macro 10 160–175 Macro 11 176–191 Macro 12 192–207 Macro 13 208–223 Macro 14 224–239 Macro 15 240–255 Macro 16
8	Frost1	0	0–9 Open 10–199 Frost 200–255 Colorfull
9	Focus	127	
10	Pan	127	
11	Pan Fine	127	Fine byte of Pan

20 CHANNELS (continued)

Ch	Function	Default	DMX values
12	Tilt	127	
13	Tilt Fine	127	Fine byte of Tilt
14	No Feature	0	
15	Control1	0	0–25 No function 26–76 Reset Effects 77–127 Reset XY 128–255 Reset All
16	Lamp Control	0	0–25 No function 26–100 Lamp Off 101–255 Lamp On
17	Position MSpeed	0	
18	No Feature	0	
19	No Feature	0	
20	No Feature	0	