Robe Lighting

Robin MiniPointe



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**17, 22, 27 channels**
Beam angle	**20°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**226 × 286 × 204 mm**
GDTF fixture type	**0EA0F6C7-B695-4BCE-A25A-1B…**

Controls

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

Safety-relevant functions

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

DMX modes

Mode 2 - Reduced 8 bit	17 ch
Mode 1 - Standard 16bit	22 ch
Mode 3 - Extended 16 bit	27 ch

Mode 2 - Reduced 8 bit

17 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–0 Standard mode 1–1 Max Speed Mode 2–254 Time from min to Max Speed from max to min 255–255 Min Speed Mode
4	Control1	0	0–49 No function 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while color wheel moving 100–109 Disabled blackout while color wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Color system reset 160–169 Gobo wheels reset 170–179 Dimmer/Shutter reset 180–189 Focus/Prism reset 190–199 NoFeature 1 200–209 Total reset 210–229 NoFeature 2 230–239 Lamp Off 240–244 RoboSpot enabled 245–249 RoboSpot disabled - except handle faders and pan... 250–255 RoboSpot fully disabled except pan/tilt

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–4 Open/White - Positioning (wheel slot 1) 5–13 Deep Red - Positioning (wheel slot 2) 14–22 Deep Blue - Positioning (wheel slot 3) 23–32 Yellow - Positioning (wheel slot 4) 33–41 Light Green - Positioning (wheel slot 5) 42–50 Magenta - Positioning (wheel slot 6) 51–59 Lavender - Positioning (wheel slot 7) 60–68 Pink - Positioning (wheel slot 8) 69–77 Dark green - Positioning (wheel slot 9) 78–86 CTO 2700K - Positioning (wheel slot 10) 87–96 Blue - Positioning (wheel slot 11) 97–105 Orange - Positioning (wheel slot 12) 106–114 CTO 3200K - Positioning (wheel slot 13) 115–127 UV (Kongo blue) - Positioning (wheel slot 14) 128–129 Open/White - Positioning (wheel slot 1) 130–134 Deep Red - Indexing (wheel slot 2) 135–138 Deep Blue - Indexing (wheel slot 3) 139–143 Yellow - Indexing (wheel slot 4) 144–147 Light Green - Indexing (wheel slot 5) 148–152 Magenta - Indexing (wheel slot 6) 153–157 Lavender - Indexing (wheel slot 7) 158–161 Pink - Indexing (wheel slot 8) 162–166 Dark green - Indexing (wheel slot 9) 167–171 CTO 2700K - Indexing (wheel slot 10) 172–176 Blue - Indexing (wheel slot 11) 177–180 Orange - Indexing (wheel slot 12) 181–185 CTO 3200K - Indexing (wheel slot 13) 186–189 UV (Kongo blue) - Indexing (wheel slot 14) 190–211 Fast to slow 9/9 212–215 Fast to slow 1/9 216–217 No rotation middle 218–240 Slow to fast 1/9 241–243 Slow to fast 9/9 244–249 Random colour selection by audio control 250–254 fast 255–255 slow

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
6	Gobo	0	0–3 Open/Hole (wheel slot 1) 4–9 Gobo 1 (wheel slot 2) 10–15 Gobo 2 (wheel slot 3) 16–21 Gobo 3 (wheel slot 4) 22–27 Gobo 4 (wheel slot 5) 28–33 Gobo 5 (wheel slot 6) 34–39 Gobo 6 (wheel slot 7) 40–45 Gobo 7 (wheel slot 8) 46–51 Gobo 8 (wheel slot 9) 52–57 Gobo 9 (wheel slot 10) 58–63 Gobo 10 (wheel slot 11) 64–69 Beam reducer 1 (wheel slot 12) 70–75 Beam reducer 2 (wheel slot 13) 76–81 Beam reducer 3 (wheel slot 14) 82–87 Open/Hole (wheel slot 1) 88–95 Gobo 1 (wheel slot 2) 96–103 Gobo 2 (wheel slot 3) 104–111 Gobo 3 (wheel slot 4) 112–119 Gobo 4 (wheel slot 5) 120–127 Gobo 5 (wheel slot 6) 128–135 Gobo 6 (wheel slot 7) 136–143 Gobo 7 (wheel slot 8) 144–151 Gobo 8 (wheel slot 9) 152–159 Gobo 9 (wheel slot 10) 160–167 Gobo 10 (wheel slot 11) 168–175 Beam reducer 1 (wheel slot 12) 176–183 Beam reducer 2 (wheel slot 13) 184–191 Beam reducer 3 (wheel slot 14) 192–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–250 Auto random gobo selection fast 251–254 Auto random gobo selection from fast to slow 255–255 Auto random gobo selection slow
7	Prism	0	0–19 Open position (wheel slot 1) 20–127 Prism 1 Indexing (wheel slot 2) 128–255 Prism 1 Rotation (wheel slot 2)
8	Prism Rotation	128	0–0 min 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fst to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 center 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–254 Slow to fast 7/7 255–255 max
9	Prism	0	0–19 Open position (wheel slot 1) 20–127 Prism 2 Indexing (wheel slot 2) 128–255 Prism 2 Rotation (wheel slot 2)

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
10	Prism Rotation	128	0–0 min 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fst to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 center 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–254 Slow to fast 7/7 255–255 max
11	Effect	0	0–7 No function 8–11 Shape 1 12–15 Shape 2 16–19 Shape 3 20–23 Shape 4 24–27 Shape 5 28–31 Shape 6 32–35 Shape 7 36–39 Shape 8 40–43 Shape 9 44–47 Shape 10 48–51 Shape 11 52–55 Shape 1 56–59 Shape 2 60–63 Shape 3 64–67 Shape 4 68–71 Shape 5 72–75 Shape 6 76–79 Shape 7 80–83 Shape 8 84–87 Shape 9 88–91 Shape 10 92–95 Shape 11 96–99 Effect 1 100–103 Effect 2 104–107 Effect 3 108–111 Effect 4 112–115 Effect 5 116–119 Effect 6 120–123 Effect 7 124–127 Effect 8 128–131 Effect 9 132–255 NoFeature 1
12	Effects1Pos	128	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 Center 129–255 Backwards rotation from slow to fast

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
13	Beam Shaper	0	0–7 No function 8–11 Shaper 1 12–15 Shaper 2 16–19 Shaper 3 20–23 Shaper 4 24–27 Shaper 5 28–31 Shaper 6 32–35 Shaper 7 36–39 Shaper 8 40–43 Shaper 9 44–47 Shaper 10 48–51 Shaper 11 52–55 Shaper 1 56–59 Shaper 2 60–63 Shaper 3 64–67 Shaper 4 68–71 Shaper 5 72–75 Shaper 6 76–79 Shaper 7 80–83 Shaper 8 84–87 Shaper 9 88–91 Shaper 10 92–95 Shaper 11 96–99 Effect 1 100–103 Effect 2 104–107 Effect 3 108–111 Effect 4 112–115 Effect 5 116–119 Effect 6 120–123 Effect 7 124–127 Effect 8 128–131 Effect 9 132–255 NoFeature 1
14	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% Frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
15	Focus	128	
16	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.3–9.2 Hz 79–94 Strobe · Slow to fast 6/12 9.83–19.4 Hz 95–95 Strobe · Slow to fast 11/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
17	Dimmer	0	0–254 Closed 255–255 Open

Mode 1 - Standard 16bit

22 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	0–0 Standard mode 1–1 Max Speed Mode 2–254 Time from min to Max Speed from max to min 255–255 Min Speed Mode
6	Control1	0	0–49 No function 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while color wheel moving 100–109 Disabled blackout while color wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Color system reset 160–169 Gobo wheels reset 170–179 Dimmer/Shutter reset 180–189 Focus/Prism reset 190–199 NoFeature 1 200–209 Total reset 210–229 NoFeature 2 230–239 Lamp Off 240–244 RoboSpot enabled 245–249 RoboSpot disabled - except handle faders and pan... 250–255 RoboSpot fully disabled except pan/tilt

Mode 1 - Standard 16bit (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–3 Open/White - Positioning (wheel slot 1) 4–12 Deep Red - Positioning (wheel slot 2) 13–21 Deep Blue - Positioning (wheel slot 3) 22–31 Yellow - Positioning (wheel slot 4) 32–40 Light Green - Positioning (wheel slot 5) 41–49 Magenta - Positioning (wheel slot 6) 50–58 Lavender - Positioning (wheel slot 7) 59–67 Pink - Positioning (wheel slot 8) 68–76 Dark green - Positioning (wheel slot 9) 77–85 CTO 2700K - Positioning (wheel slot 10) 86–95 Blue - Positioning (wheel slot 11) 96–104 Orange - Positioning (wheel slot 12) 105–113 CTO 3200K - Positioning (wheel slot 13) 114–127 UV (Kongo blue) - Positioning (wheel slot 14) 128–129 Open/White - Positioning (wheel slot 1) 130–134 Deep Red - Indexing (wheel slot 2) 135–138 Deep Blue - Indexing (wheel slot 3) 139–143 Yellow - Indexing (wheel slot 4) 144–147 Light Green - Indexing (wheel slot 5) 148–152 Magenta - Indexing (wheel slot 6) 153–157 Lavender - Indexing (wheel slot 7) 158–161 Pink - Indexing (wheel slot 8) 162–166 Dark green - Indexing (wheel slot 9) 167–171 CTO 2700K - Indexing (wheel slot 10) 172–176 Blue - Indexing (wheel slot 11) 177–180 Orange - Indexing (wheel slot 12) 181–185 CTO 3200K - Indexing (wheel slot 13) 186–189 UV (Kongo blue) - Indexing (wheel slot 14) 190–211 Fast to slow 9/9 212–215 Fast to slow 1/9 216–217 No rotation middle 218–240 Slow to fast 1/9 241–243 Slow to fast 9/9 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
8	Color Wheel Fine	0	Fine byte of Color Wheel

Mode 1 - Standard 16bit (continued)

Ch	Function	Default	DMX values
9	Gobo	0	0–3 Open/Hole (wheel slot 1) 4–9 Gobo 1 (wheel slot 2) 10–15 Gobo 2 (wheel slot 3) 16–21 Gobo 3 (wheel slot 4) 22–27 Gobo 4 (wheel slot 5) 28–33 Gobo 5 (wheel slot 6) 34–39 Gobo 6 (wheel slot 7) 40–45 Gobo 7 (wheel slot 8) 46–51 Gobo 8 (wheel slot 9) 52–57 Gobo 9 (wheel slot 10) 58–63 Gobo 10 (wheel slot 11) 64–69 Beam reducer 1 (wheel slot 12) 70–75 Beam reducer 2 (wheel slot 13) 76–81 Beam reducer 3 (wheel slot 14) 82–87 Open/Hole (wheel slot 1) 88–95 Gobo 1 (wheel slot 2) 96–103 Gobo 2 (wheel slot 3) 104–111 Gobo 3 (wheel slot 4) 112–119 Gobo 4 (wheel slot 5) 120–127 Gobo 5 (wheel slot 6) 128–135 Gobo 6 (wheel slot 7) 136–143 Gobo 7 (wheel slot 8) 144–151 Gobo 8 (wheel slot 9) 152–159 Gobo 9 (wheel slot 10) 160–167 Gobo 10 (wheel slot 11) 168–175 Beam reducer 1 (wheel slot 12) 176–183 Beam reducer 2 (wheel slot 13) 184–191 Beam reducer 3 (wheel slot 14) 192–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–250 Auto random gobo selection fast 251–254 Auto random gobo selection from fast to slow 255–255 Auto random gobo selection slow
10	Prism	0	0–19 Open position (wheel slot 1) 20–127 Prism 1 Indexing (wheel slot 2) 128–255 Prism 1 Rotation (wheel slot 2)
11	Prism Rotation	128	0–0 min 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fst to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 center 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–254 Slow to fast 7/7 255–255 max
12	Prism	0	0–19 Open position (wheel slot 1) 20–127 Prism 2 Indexing (wheel slot 2) 128–255 Prism 2 Rotation (wheel slot 2)

Mode 1 - Standard 16bit (continued)

Ch	Function	Default	DMX values
13	Prism Rotation	128	0–0 min 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fst to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 center 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–254 Slow to fast 7/7 255–255 max
14	Effect	0	0–7 No function 8–11 Shape 1 12–15 Shape 2 16–19 Shape 3 20–23 Shape 4 24–27 Shape 5 28–31 Shape 6 32–35 Shape 7 36–39 Shape 8 40–43 Shape 9 44–47 Shape 10 48–51 Shape 11 52–55 Shape 1 56–59 Shape 2 60–63 Shape 3 64–67 Shape 4 68–71 Shape 5 72–75 Shape 6 76–79 Shape 7 80–83 Shape 8 84–87 Shape 9 88–91 Shape 10 92–95 Shape 11 96–99 Effect 1 100–103 Effect 2 104–107 Effect 3 108–111 Effect 4 112–115 Effect 5 116–119 Effect 6 120–123 Effect 7 124–127 Effect 8 128–131 Effect 9 132–255 NoFeature 1
15	Effects1Pos	128	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 Center 129–255 Backwards rotation from slow to fast

Mode 1 - Standard 16bit (continued)

Ch	Function	Default	DMX values
16	Beam Shaper	0	0–7 No function 8–11 Shaper 1 12–15 Shaper 2 16–19 Shaper 3 20–23 Shaper 4 24–27 Shaper 5 28–31 Shaper 6 32–35 Shaper 7 36–39 Shaper 8 40–43 Shaper 9 44–47 Shaper 10 48–51 Shaper 11 52–55 Shaper 1 56–59 Shaper 2 60–63 Shaper 3 64–67 Shaper 4 68–71 Shaper 5 72–75 Shaper 6 76–79 Shaper 7 80–83 Shaper 8 84–87 Shaper 9 88–91 Shaper 10 92–95 Shaper 11 96–99 Effect 1 100–103 Effect 2 104–107 Effect 3 108–111 Effect 4 112–115 Effect 5 116–119 Effect 6 120–123 Effect 7 124–127 Effect 8 128–131 Effect 9 132–255 NoFeature 1
17	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% Frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
18	Focus	128	
19	Focus Fine	128	Fine byte of Focus
20	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.3–9.2 Hz 79–94 Strobe · Slow to fast 6/12 9.83–19.4 Hz 95–95 Strobe · Slow to fast 11/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
21	Dimmer	0	0–254 Closed 255–255 Open
22	Dimmer Fine	0	Fine byte of Dimmer

Mode 3 - Extended 16 bit

27 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	0–0 Standard mode 1–1 Max Speed Mode 2–254 Time from min to Max Speed from max to min 255–255 Min Speed Mode
6	Control1	0	0–49 No function 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while color wheel moving 100–109 Disabled blackout while color wheel moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Color system reset 160–169 Gobo wheels reset 170–179 Dimmer/Shutter reset 180–189 Focus/Prism reset 190–199 NoFeature 1 200–209 Total reset 210–229 NoFeature 2 230–239 Lamp Off 240–244 RoboSpot enabled 245–249 RoboSpot disabled - except handle faders and pan... 250–255 RoboSpot fully disabled except pan/tilt

Mode 3 - Extended 16 bit (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–3 Open/White - Positioning (wheel slot 1) 4–12 Deep Red - Positioning (wheel slot 2) 13–21 Deep Blue - Positioning (wheel slot 3) 22–31 Yellow - Positioning (wheel slot 4) 32–40 Light Green - Positioning (wheel slot 5) 41–49 Magenta - Positioning (wheel slot 6) 50–58 Lavender - Positioning (wheel slot 7) 59–67 Pink - Positioning (wheel slot 8) 68–76 Dark green - Positioning (wheel slot 9) 77–85 CTO 2700K - Positioning (wheel slot 10) 86–95 Blue - Positioning (wheel slot 11) 96–104 Orange - Positioning (wheel slot 12) 105–113 CTO 3200K - Positioning (wheel slot 13) 114–127 UV (Kongo blue) - Positioning (wheel slot 14) 128–129 Open/White - Positioning (wheel slot 1) 130–134 Deep Red - Indexing (wheel slot 2) 135–138 Deep Blue - Indexing (wheel slot 3) 139–143 Yellow - Indexing (wheel slot 4) 144–147 Light Green - Indexing (wheel slot 5) 148–152 Magenta - Indexing (wheel slot 6) 153–157 Lavender - Indexing (wheel slot 7) 158–161 Pink - Indexing (wheel slot 8) 162–166 Dark green - Indexing (wheel slot 9) 167–171 CTO 2700K - Indexing (wheel slot 10) 172–176 Blue - Indexing (wheel slot 11) 177–180 Orange - Indexing (wheel slot 12) 181–185 CTO 3200K - Indexing (wheel slot 13) 186–189 UV (Kongo blue) - Indexing (wheel slot 14) 190–215 Fast to slow 9/9 216–217 No rotation middle 218–240 Slow to fast 1/9 241–243 Slow to fast 9/9 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
8	Color Wheel Fine	0	Fine byte of Color Wheel
9	Frost1MSpeed	0	0–0 Function is off 1–255 Time of frost movement
10	Color Wheel Select MSpeed	0	0–0 Function is off 1–255 Time of color wheel movement
11	Gobo Wheel1MSpeed	0	0–0 Function is off 1–255 Time of static gobo wheel movement
12	Prism1MSpeed	0	0–0 Function is off 1–255 Time of prism rotation
13	Focus MSpeed	0	0–0 Function is off 1–255 Time of focus movement

Mode 3 - Extended 16 bit (continued)

Ch	Function	Default	DMX values
14	Gobo	0	0–3 Open/Hole (wheel slot 1) 4–9 Gobo 1 (wheel slot 2) 10–15 Gobo 2 (wheel slot 3) 16–21 Gobo 3 (wheel slot 4) 22–27 Gobo 4 (wheel slot 5) 28–33 Gobo 5 (wheel slot 6) 34–39 Gobo 6 (wheel slot 7) 40–45 Gobo 7 (wheel slot 8) 46–51 Gobo 8 (wheel slot 9) 52–57 Gobo 9 (wheel slot 10) 58–63 Gobo 10 (wheel slot 11) 64–69 Beam reducer 1 (wheel slot 12) 70–75 Beam reducer 2 (wheel slot 13) 76–81 Beam reducer 3 (wheel slot 14) 82–87 Open/Hole (wheel slot 1) 88–95 Gobo 1 (wheel slot 2) 96–103 Gobo 2 (wheel slot 3) 104–111 Gobo 3 (wheel slot 4) 112–119 Gobo 4 (wheel slot 5) 120–127 Gobo 5 (wheel slot 6) 128–135 Gobo 6 (wheel slot 7) 136–143 Gobo 7 (wheel slot 8) 144–151 Gobo 8 (wheel slot 9) 152–159 Gobo 9 (wheel slot 10) 160–167 Gobo 10 (wheel slot 11) 168–175 Beam reducer 1 (wheel slot 12) 176–183 Beam reducer 2 (wheel slot 13) 184–191 Beam reducer 3 (wheel slot 14) 192–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–250 Auto random gobo selection fast 251–254 Auto random gobo selection from fast to slow 255–255 Auto random gobo selection slow
15	Prism	0	0–19 Open position (wheel slot 1) 20–127 Prism 1 Indexing (wheel slot 2) 128–255 Prism 1 Rotation (wheel slot 2)
16	Prism Rotation	128	0–0 min 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fst to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 center 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–254 Slow to fast 7/7 255–255 max
17	Prism	0	0–19 Open position (wheel slot 1) 20–127 Prism 2 Indexing (wheel slot 2) 128–255 Prism 2 Rotation (wheel slot 2)

Mode 3 - Extended 16 bit (continued)

Ch	Function	Default	DMX values
18	Prism Rotation	128	0–0 min 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fst to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 center 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–254 Slow to fast 7/7 255–255 max
19	Effect	0	0–7 No function 8–11 Shape 1 12–15 Shape 2 16–19 Shape 3 20–23 Shape 4 24–27 Shape 5 28–31 Shape 6 32–35 Shape 7 36–39 Shape 8 40–43 Shape 9 44–47 Shape 10 48–51 Shape 11 52–55 Shape 1 56–59 Shape 2 60–63 Shape 3 64–67 Shape 4 68–71 Shape 5 72–75 Shape 6 76–79 Shape 7 80–83 Shape 8 84–87 Shape 9 88–91 Shape 10 92–95 Shape 11 96–99 Effect 1 100–103 Effect 2 104–107 Effect 3 108–111 Effect 4 112–115 Effect 5 116–119 Effect 6 120–123 Effect 7 124–127 Effect 8 128–131 Effect 9 132–255 NoFeature 1
20	Effects1Pos	128	0–0 No rotation 1–127 Forwards rotation from fast to slow 128–128 Center 129–255 Backwards rotation from slow to fast

Mode 3 - Extended 16 bit (continued)

Ch	Function	Default	DMX values
21	Beam Shaper	0	0–7 No function 8–11 Shaper 1 12–15 Shaper 2 16–19 Shaper 3 20–23 Shaper 4 24–27 Shaper 5 28–31 Shaper 6 32–35 Shaper 7 36–39 Shaper 8 40–43 Shaper 9 44–47 Shaper 10 48–51 Shaper 11 52–55 Shaper 1 56–59 Shaper 2 60–63 Shaper 3 64–67 Shaper 4 68–71 Shaper 5 72–75 Shaper 6 76–79 Shaper 7 80–83 Shaper 8 84–87 Shaper 9 88–91 Shaper 10 92–95 Shaper 11 96–99 Effect 1 100–103 Effect 2 104–107 Effect 3 108–111 Effect 4 112–115 Effect 5 116–119 Effect 6 120–123 Effect 7 124–127 Effect 8 128–131 Effect 9 132–255 NoFeature 1
22	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% Frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
23	Focus	128	
24	Focus Fine	128	Fine byte of Focus
25	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.3–9.2 Hz 79–94 Strobe · Slow to fast 6/12 9.83–19.4 Hz 95–95 Strobe · Slow to fast 11/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
26	Dimmer	0	0–254 Closed 255–255 Open
27	Dimmer Fine	0	Fine byte of Dimmer