Robe Lighting

Robin BMFL Blade



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**42, 49 channels**
Beam angle	**5-55°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**308 × 613 × 230 mm**
GDTF fixture type	**7F8C97FD-5A4A-403F-9486-A3…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset · Service functions

DMX modes

Mode 2 - Standard 8 bit	42 ch
Mode 1 - Standard 16 bit	49 ch

Mode 2 - Standard 8 bit

42 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 Speed/Time max to min 255–255 Min Speed Mode
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–34 NoFeature 1 35–39 Lamp power 1500W 40–44 Lamp power 1700W 45–49 Quiet mode 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–64 Fans mode Auto 65–69 Fans mode High 70–74 Parking position ON 75–79 Parking position OFF 80–89 NoFeature 2 90–94 Pan/Tilt speed mode 95–99 Pan/Tilt time mode 100–104 Blackout while pan/tilt moving 105–109 Disabled blackout while pan/tilt moving 110–114 Blackout while colour wheels moving 115–119 Disabled blackout while colour wheels moving 120–129 NoFeature 3 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/Shutter reset 180–189 Zoom/focus/frost/prism reset 190–199 Iris/dual graphic wheel reset 200–209 Total reset 210–229 NoFeature 4 230–239 Lamp Off 240–244 RoboSpot enabled 245–249 RoboSpot disabled except faders and PT 250–255 RoboSpot fully disabled

Mode 2 - Standard 8 bit (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–8 Open/white - continual (wheel slot 1) 9–27 Deep red - continual (wheel slot 2) 28–46 Deep blue - continual (wheel slot 3) 47–63 Orange - continual (wheel slot 4) 64–82 Green - continual (wheel slot 5) 83–99 Magenta - continual (wheel slot 6) 100–120 Congo blue (UV) - continual (wheel slot 7) 121–129 White - continual (wheel slot 1) 130–139 Deep red - step (wheel slot 2) 140–149 Deep blue - step (wheel slot 3) 150–159 Orange - step (wheel slot 4) 160–169 Green - step (wheel slot 5) 170–179 Magenta - step (wheel slot 6) 180–189 Congo blue - step (wheel slot 7) 190–211 Fast to slow - Fast 212–215 Fast to slow - Slow 216–217 No rotation middle 218–240 Slow to fast - Slow 241–243 Slow to fast - Fast 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
8	Color Wheel 2	0	0–8 Open/white - continual (wheel slot 1) 9–27 Pink - continual (wheel slot 2) 28–46 Lavender - continual (wheel slot 3) 47–63 Laser green - continual (wheel slot 4) 64–82 CTB - continual (wheel slot 5) 83–99 Minus green - continual (wheel slot 6) 100–120 Minus 1/2 green - continual (wheel slot 7) 121–129 White - continual (wheel slot 1) 130–139 Pink - step (wheel slot 2) 140–149 Lavender - step (wheel slot 3) 150–159 Laser green - step (wheel slot 4) 160–169 CTB - step (wheel slot 5) 170–179 Minus green - step (wheel slot 6) 180–189 Minus 1/2 green - step (wheel slot 7) 190–211 Fast to slow - Fast 212–215 Fast to slow - Slow 216–217 No rotation middle 218–240 Slow to fast - Slow 241–243 Slow to fast - Fast 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	C TO	0	0–254 Min CTO 6000K 255–255 Max CTO 2700K
13	Color Macro1	0	
14	Effects1Fade	0	
15	Color Mix MSpeed	0	
16	Zoom MSpeed	0	

Mode 2 - Standard 8 bit (continued)

Ch	Function	Default	DMX values
17	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–72 Proportional indexing min (wheel slot 2) 73–126 Proportional indexing center (wheel slot 2) 127–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full max 170–170 Ramping from open to full min 171–212 Ramping from open to half max 213–213 Ramping from open to half min 214–254 Ramping from half to full min 255–255 Ramping from half to full max
18	Animation Wheel1Pos	128	0–0 No rotation 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 No rotation middle 129–232 Slow to fast - Slow 233–255 Slow to fast - Fast
19	Animation Wheel1Macro	0	0–7 No animation 8–9 Animation 1 - Colour 10–11 Animation 2 - Colour 12–13 Animation 3 - Colour 14–15 Animation 4 - Colour 16–17 Animation 5 - Colour 18–19 Animation 6 - Colour 20–21 Animation 7 - Colour 22–23 Animation 8 - Colour 24–25 Animation 9 - Colour 26–27 Animation 10 - Colour 28–29 Animation 1 - Black and white 30–31 Animation 2 - Black and white 32–33 Animation 3 - Black and white 34–35 Animation 4 - Black and white 36–37 Animation 5 - Black and white 38–39 Animation 6 - Black and white 40–41 Animation 7 - Black and white 42–43 Animation 8 - Black and white 44–45 Animation 9 - Black and white 46–47 Animation 10 - Black and white 48–255 NoFeature 1

Mode 2 - Standard 8 bit (continued)

Ch	Function	Default	DMX values
20	Gobo	0	0–7 Open (wheel slot 1) 8–19 G01 (Dot Breakup) (wheel slot 2) 20–31 G02 (Pick Up Sticks 2) (wheel slot 3) 32–43 G03 (Snail Trails) (wheel slot 4) 44–55 G04 (Tiger Print) (wheel slot 5) 56–67 G05 (Summer Branches) (wheel slot 6) 68–79 G06 (Leaf Breakup) (wheel slot 7) 80–91 G07 (Radial Dashes 18) (wheel slot 8) 92–103 G08 (Dots 8) (wheel slot 9) 104–115 G01 (Dot Breakup) (wheel slot 2) 116–127 G02 (Pick Up Sticks 2) (wheel slot 3) 128–139 G03 (Snail Trails) (wheel slot 4) 140–151 G04 (Tiger Print) (wheel slot 5) 152–163 G05 (Summer Branches) (wheel slot 6) 164–175 G06 (Leaf Breakup) (wheel slot 7) 176–187 G07 (Radial Dashes 18) (wheel slot 8) 188–199 G08 (Dots 8) (wheel slot 9) 200–201 Open (wheel slot 1) 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–240 Slow to fast - Slow 241–243 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
21	Gobo 2	0	0–4 Open (wheel slot 1) 5–8 G01 Index (New Raylines) (wheel slot 2) 9–13 G02 Index (Moon Scape XL) (wheel slot 3) 14–17 G03 Index (Leaf Breakup Medium) (wheel slot 4) 18–22 G04 Index (Rotating Dots) (wheel slot 5) 23–26 G05 Index (Leaves) (wheel slot 6) 27–31 G06 Index (Organic) (wheel slot 7) 32–35 G01 Rotation (New Raylines) (wheel slot 2) 36–40 G02 Rotation (Moon Scape XL) (wheel slot 3) 41–44 G03 Rotation (Leaf Breakup Medium) (wheel slot 4) 45–49 G04 Rotation (Rotating Dots) (wheel slot 5) 50–54 G05 Rotation (Leaves) (wheel slot 6) 55–59 G06 Rotation (Organic) (wheel slot 7) 60–71 G01 Shaking Index (New Raylines) (wheel slot 2) 72–83 G02 Shaking Index (Moon Scape XL) (wheel slot 3) 84–95 G03 Shaking Index (Leaf Breakup Medium) (wheel sl… 96–106 G04 Shaking Index (Rotating Dots) (wheel slot 5) 107–118 G05 Shaking Index (Leaves) (wheel slot 6) 119–129 G06 Shaking Index (Organic) (wheel slot 7) 130–141 G01 Shaking Rotation (New Raylines) (wheel slot 2) 142–153 G02 Shaking Rotation (Moon Scape XL) (wheel slot … 154–165 G03 Shaking Rotation (Leaf Breakup Medium) (wh… 166–176 G04 Shaking Rotation (Rotating Dots) (wheel slot 5) 177–188 G05 Shaking Rotation (Leaves) (wheel slot 6) 189–199 G06 Shaking Rotation (Organic) (wheel slot 7) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–240 Slow to fast - Slow 241–243 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

Mode 2 - Standard 8 bit (continued)

Ch	Function	Default	DMX values
22	Gobo Rotation 2	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–254 Slow to fast - Fast 255–255 Gobo indexing max
23	Prism	0	0–19 Open position/hole (wheel slot 1) 20–49 6 - facet linear prism - indexing (wheel slot 2) 50–75 6 - facet linear prism - rotating (wheel slot 2) 76–105 6 - facet circular prism - indexing (wheel slot 3) 106–127 6 - facet circular prism - rotating (wheel slot 3) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16
24	Prism Rotation	128	0–0 Prism indexing min (wheel slot 2) 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 No rotation middle 129–232 Slow to fast - Slow 233–254 Slow to fast - Fast 255–255 Prism indexing max (wheel slot 2)
25	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light Frost 54–63 Pulse closing from slow to fast - Light frost 64–73 Pulse opening from fast to slow - Light frost 74–83 Ramping from fast to slow - Light frost 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast - Medium frost 150–159 Pulse opening from fast to slow - Medium frost 160–169 Ramping from fast to slow - Medium frost 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast - Medium frost 236–245 Pulse opening from fast to slow - Medium frost 246–255 Ramping from fast to slow - Medium frost

Mode 2 - Standard 8 bit (continued)

Ch	Function	Default	DMX values
26	Iris	0	0–179 Open 180–191 Closed 192–216 Slow to fast - Slow 217–219 Slow to fast - Fast 220–243 Fast to slow - Fast 244–247 Fast to slow - Slow 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
27	Zoom	128	0–254 Zoom max 255–255 Zoom min
28	Focus	0	
29	No Feature	0	
30	Shaper Rot	0	
31	Blade1A	0	
32	Blade1Rot	128	
33	Blade4A	0	
34	Blade4Rot	128	
35	Blade3A	0	
36	Blade3Rot	128	
37	Blade2A	0	
38	Blade2Rot	128	
39	Shaper Macros	0	
40	Shaper Macros Speed	0	
41	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Slow to fast - Slow 95–95 Slow to fast - Fast 96–127 open 128–140 Slow to fast - Slow 141–143 Slow to fast - Fast 144–159 Fast to slow - Fast 160–191 open 192–223 Random strobe from slow to fast 224–255 open
42	Dimmer	0	

Mode 1 - Standard 16 bit

49 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 Speed/Time max to min 255–255 Min Speed Mode

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–34 NoFeature 1 35–39 Lamp power 1500W 40–44 Lamp power 1700W 45–49 Quiet mode 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–64 Fans mode Auto 65–69 Fans mode High 70–74 Parking position ON 75–79 Parking position OFF 80–89 NoFeature 2 90–94 Pan/Tilt speed mode 95–99 Pan/Tilt time mode 100–104 Blackout while pan/tilt moving 105–109 Disabled blackout while pan/tilt moving 110–114 Blackout while colour wheels moving 115–119 Disabled blackout while colour wheels moving 120–129 NoFeature 3 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/Shutter reset 180–189 Zoom/focus/frost/prism reset 190–199 Iris/dual graphic wheel reset 200–209 Total reset 210–229 NoFeature 4 230–239 Lamp Off 240–244 RoboSpot enabled 245–249 RoboSpot disabled except faders and PT 250–255 RoboSpot fully disabled
7	Color Wheel	0	0–7 Open/white - continual (wheel slot 1) 8–26 Deep red - continual (wheel slot 2) 27–45 Deep blue - continual (wheel slot 3) 46–62 Orange - continual (wheel slot 4) 63–81 Green - continual (wheel slot 5) 82–98 Magenta - continual (wheel slot 6) 99–119 Congo blue (UV) - continual (wheel slot 7) 120–129 White - continual (wheel slot 1) 130–139 Deep red - step (wheel slot 2) 140–149 Deep blue - step (wheel slot 3) 150–159 Orange - step (wheel slot 4) 160–169 Green - step (wheel slot 5) 170–179 Magenta - step (wheel slot 6) 180–189 Congo blue - step (wheel slot 7) 190–211 Fast to slow - Fast 212–215 Fast to slow - Slow 216–217 No rotation middle 218–240 Slow to fast - Slow 241–243 Slow to fast - Fast 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 16 bit (continued)

Ch	Function	Default	DMX values
9	Color Wheel 2	0	0–7 Open/white - continual (wheel slot 1) 8–26 Pink - continual (wheel slot 2) 27–45 Lavender - continual (wheel slot 3) 46–62 Laser green - continual (wheel slot 4) 63–81 CTB - continual (wheel slot 5) 82–98 Minus green - continual (wheel slot 6) 99–119 Minus 1/2 green - continual (wheel slot 7) 120–129 White - continual (wheel slot 1) 130–139 Pink - step (wheel slot 2) 140–149 Lavender - step (wheel slot 3) 150–159 Laser green - step (wheel slot 4) 160–169 CTB - step (wheel slot 5) 170–179 Minus green - step (wheel slot 6) 180–189 Minus 1/2 green - step (wheel slot 7) 190–211 Fast to slow - Fast 212–215 Fast to slow - Slow 216–217 No rotation middle 218–240 Slow to fast - Slow 241–243 Slow to fast - Fast 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
10	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	
14	C TO	0	0–254 Min CTO 6000K 255–255 Max CTO 2700K
15	Color Macro1	0	
16	Effects1Fade	0	
17	Color Mix MSpeed	0	
18	Zoom MSpeed	0	
19	Animation Wheel1	0	0–19 Open (wheel slot 1) 20–72 Proportional indexing min (wheel slot 2) 73–126 Proportional indexing center (wheel slot 2) 127–127 Proportional indexing max (wheel slot 2) 128–169 Ramping from open to full max 170–170 Ramping from open to full min 171–212 Ramping from open to half max 213–213 Ramping from open to half min 214–254 Ramping from half to full min 255–255 Ramping from half to full max
20	Animation Wheel1Pos	128	0–0 No rotation 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–232 No rotation middle 233–255 Slow to fast - Fast

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
21	Animation Wheel1Macro	0	0–7 No animation 8–9 Animation 1 - Colour 10–11 Animation 2 - Colour 12–13 Animation 3 - Colour 14–15 Animation 4 - Colour 16–17 Animation 5 - Colour 18–19 Animation 6 - Colour 20–21 Animation 7 - Colour 22–23 Animation 8 - Colour 24–25 Animation 9 - Colour 26–27 Animation 10 - Colour 28–29 Animation 1 - Black and white 30–31 Animation 2 - Black and white 32–33 Animation 3 - Black and white 34–35 Animation 4 - Black and white 36–37 Animation 5 - Black and white 38–39 Animation 6 - Black and white 40–41 Animation 7 - Black and white 42–43 Animation 8 - Black and white 44–45 Animation 9 - Black and white 46–47 Animation 10 - Black and white 48–255 NoFeature 1
22	Gobo	0	0–7 Open (wheel slot 1) 8–19 G01 (Dot Breakup) (wheel slot 2) 20–31 G02 (Pick Up Sticks 2) (wheel slot 3) 32–43 G03 (Snail Trails) (wheel slot 4) 44–55 G04 (Tiger Print) (wheel slot 5) 56–67 G05 (Summer Branches) (wheel slot 6) 68–79 G06 (Leaf Breakup) (wheel slot 7) 80–91 G07 (Radial Dashes 18) (wheel slot 8) 92–103 G08 (Dots 8) (wheel slot 9) 104–115 G01 (Dot Breakup) (wheel slot 2) 116–127 G02 (Pick Up Sticks 2) (wheel slot 3) 128–139 G03 (Snail Trails) (wheel slot 4) 140–151 G04 (Tiger Print) (wheel slot 5) 152–163 G05 (Summer Branches) (wheel slot 6) 164–175 G06 (Leaf Breakup) (wheel slot 7) 176–187 G07 (Radial Dashes 18) (wheel slot 8) 188–199 G08 (Dots 8) (wheel slot 9) 200–201 Open (wheel slot 1) 202–222 Fast to slow - Fast 223–226 Slow to fast - Fast 227–240 Slow to fast -Slow 241–243 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

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
23	Gobo 2	0	0–4 Open (wheel slot 1) 5–8 G01 Index (New Raylines) (wheel slot 2) 9–13 G02 Index (Moon Scape XL) (wheel slot 3) 14–17 G03 Index (Leaf Breakup Medium) (wheel slot 4) 18–22 G04 Index (Rotating Dots) (wheel slot 5) 23–26 G05 Index (Leaves) (wheel slot 6) 27–31 G06 Index (Organic) (wheel slot 7) 32–35 G01 Rotation (New Raylines) (wheel slot 2) 36–40 G02 Rotation (Moon Scape XL) (wheel slot 3) 41–44 G03 Rotation (Leaf Breakup Medium) (wheel slot 4) 45–49 G04 Rotation (Rotating Dots) (wheel slot 5) 50–54 G05 Rotation (Leaves) (wheel slot 6) 55–59 G06 Rotation (Organic) (wheel slot 7) 60–71 G01 Shaking Index (New Raylines) (wheel slot 2) 72–83 G02 Shaking Index (Moon Scape XL) (wheel slot 3) 84–95 G03 Shaking Index (Leaf Breakup Medium) (wheel sl... 96–106 G04 Shaking Index (Rotating Dots) (wheel slot 5) 107–118 G05 Shaking Index (Leaves) (wheel slot 6) 119–129 G06 Shaking Index (Organic) (wheel slot 7) 130–141 G01 Shaking Rotation (New Raylines) (wheel slot 2) 142–153 G02 Shaking Rotation (Moon Scape XL) (wheel slot ... 154–165 G03 Shaking Rotation (Leaf Breakup Medium) (wh... 166–176 G04 Shaking Rotation (Rotating Dots) (wheel slot 5) 177–188 G05 Shaking Rotation (Leaves) (wheel slot 6) 189–199 G06 Shaking Rotation (Organic) (wheel slot 7) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–240 Slow to fast - Slow 241–243 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
24	Gobo Rotation 2	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–254 Slow to fast - Fast 255–255 Gobo indexing max
25	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
26	Prism	0	0–19 Open position/hole (wheel slot 1) 20–49 6 - facet linear prism - indexing (wheel slot 2) 50–75 6 - facet linear prism - rotating (wheel slot 2) 76–105 6 - facet circular prism - indexing (wheel slot 3) 106–127 6 - facet circular prism - rotating (wheel slot 3) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16
27	Prism Rotation	128	0–0 Prism indexing min (wheel slot 2) 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 No rotation middle 129–232 Slow to fast - Slow 233–254 Slow to fast - Fast 255–255 Prism indexing max (wheel slot 2)
28	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light Frost 54–63 Pulse closing from slow to fast - Light frost 64–73 Pulse opening from fast to slow - Light frost 74–83 Ramping from fast to slow - Light frost 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast - Medium frost 150–159 Pulse opening from fast to slow - Medium frost 160–169 Ramping from fast to slow - Medium frost 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast - Medium frost 236–245 Pulse opening from fast to slow - Medium frost 246–255 Ramping from fast to slow - Medium frost
29	Iris	0	0–179 Open 180–191 Closed 192–216 Slow to fast - Slow 217–219 Slow to fast - Fast 220–243 Fast to slow - Fast 244–247 Fast to slow - Slow 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
30	Iris Fine	0	Fine byte of Iris
31	Zoom	128	0–254 Zoom max 255–255 Zoom min
32	Zoom Fine	0	Fine byte of Zoom

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
33	Focus	0	
34	Focus Fine	0	Fine byte of Focus
35	No Feature	0	
36	Shaper Rot	0	
37	Blade1A	0	
38	Blade1Rot	128	
39	Blade4A	0	
40	Blade4Rot	128	
41	Blade3A	0	
42	Blade3Rot	128	
43	Blade2A	0	
44	Blade2Rot	128	
45	Shaper Macros	0	
46	Shaper Macros Speed	0	
47	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Fast 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Slow 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
48	Dimmer	0	
49	Dimmer Fine	0	Fine byte of Dimmer