Chauvet Professional

Rogue Outcast 1 BeamWash



Manufacturer	**Chauvet Professional**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**24, 30, 37, 64 channels**
Beam angle	**3.9-55.3°**
Pan range	**540°**
Tilt range	**260°**
Heads / cells	**14**
Size (W × H × D)	**202 × 210 × 202 mm**
GDTF fixture type	**9A3BE693-DBA3-4E14-964F-3D…**

Controls

Zoom · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

24ch	24 ch
30ch	30 ch
37ch	37 ch
64ch	64 ch

24ch

24 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	85	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	C TC	0	0–0 No function 1–255 Color temperature correction 19000K to 2700K
7	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 Color 1 (wheel slot 2) 10–14 Color 2 (wheel slot 3) 15–19 Color 3 (wheel slot 4) 20–24 Color 4 (wheel slot 5) 25–29 Color 5 (wheel slot 6) 30–34 Color 6 (wheel slot 7) 35–39 Color 7 (wheel slot 8) 40–44 Color 8 (wheel slot 9) 45–49 Color 9 (wheel slot 10) 50–54 Color 10 (wheel slot 11) 55–59 Color 11 (wheel slot 12) 60–64 Color 12 (wheel slot 13) 65–69 Color 13 (wheel slot 14) 70–74 Color 14 (wheel slot 15) 75–79 Color 15 (wheel slot 16) 80–84 Color 16 (wheel slot 17) 85–89 Color 17 (wheel slot 18) 90–94 Color 18 (wheel slot 19) 95–99 Color 19 (wheel slot 20) 100–104 Color 20 (wheel slot 21) 105–109 Color 21 (wheel slot 22) 110–114 Color 22 (wheel slot 23) 115–119 Color 23 (wheel slot 24) 120–124 Color 24 (wheel slot 25) 125–129 Color 25 (wheel slot 26) 130–134 Color 26 (wheel slot 27) 135–139 Color 27 (wheel slot 28) 140–144 Color 28 (wheel slot 29) 145–149 Color 29 (wheel slot 30) 150–154 Color 30 (wheel slot 31) 155–159 Color 31 (wheel slot 32) 160–164 Color 32 (wheel slot 33) 165–169 Color 33 (wheel slot 34) 170–174 Color 34 (wheel slot 35) 175–179 No function (wheel slot 1) 180–201 Color fade fast to slow (wheel slot 1) 202–207 Stop (wheel slot 1) 208–229 Reverse color fade fast to slow (wheel slot 1) 230–234 No function (wheel slot 1) 235–249 Color jump fast to slow (wheel slot 1) 250–255 No function (wheel slot 1)

24ch (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 Color 1 (wheel slot 2) 10–14 Color 2 (wheel slot 3) 15–19 Color 3 (wheel slot 4) 20–24 Color 4 (wheel slot 5) 25–29 Color 5 (wheel slot 6) 30–34 Color 6 (wheel slot 7) 35–39 Color 7 (wheel slot 8) 40–44 Color 8 (wheel slot 9) 45–49 Color 9 (wheel slot 10) 50–54 Color 10 (wheel slot 11) 55–59 Color 11 (wheel slot 12) 60–64 Color 12 (wheel slot 13) 65–69 Color 13 (wheel slot 14) 70–74 Color 14 (wheel slot 15) 75–79 Color 15 (wheel slot 16) 80–84 Color 16 (wheel slot 17) 85–89 Color 17 (wheel slot 18) 90–94 Color 18 (wheel slot 19) 95–99 Color 19 (wheel slot 20) 100–104 Color 20 (wheel slot 21) 105–109 Color 21 (wheel slot 22) 110–114 Color 22 (wheel slot 23) 115–119 Color 23 (wheel slot 24) 120–124 Color 24 (wheel slot 25) 125–129 Color 25 (wheel slot 26) 130–134 Color 26 (wheel slot 27) 135–139 Color 27 (wheel slot 28) 140–144 Color 28 (wheel slot 29) 145–149 Color 29 (wheel slot 30) 150–154 Color 30 (wheel slot 31) 155–159 Color 31 (wheel slot 32) 160–164 Color 32 (wheel slot 33) 165–169 Color 33 (wheel slot 34) 170–174 Color 34 (wheel slot 35) 175–179 No function (wheel slot 1) 180–201 Color fade fast to slow (wheel slot 1) 202–207 Stop (wheel slot 1) 208–229 Reverse color fade fast to slow (wheel slot 1) 230–234 No function (wheel slot 1) 235–249 Color jump fast to slow (wheel slot 1) 250–255 No function (wheel slot 1)
9	Gobo	0	0–0 No function 1–255 Gobos (indexed)

24ch (continued)

Ch	Function	Default	DMX values
10	Effect	0	0–5 No function 6–10 LED Macro 1 11–15 LED Macro 2 16–20 LED Macro 3 21–25 LED Macro 4 26–30 LED Macro 5 31–35 LED Macro 6 36–40 LED Macro 7 41–45 LED Macro 8 46–50 LED Macro 9 51–55 LED Macro 10 56–60 LED Macro 11 61–65 LED Macro 12 66–70 LED Macro 13 71–75 LED Macro 14 76–80 LED Macro 15 81–85 LED Macro 16 86–90 LED Macro 17 91–95 LED Macro 18 96–100 LED Macro 19 101–105 LED Macro 20 106–110 LED Macro 21 111–115 LED Macro 22 116–120 LED Macro 23 121–125 LED Macro 24 126–130 LED Macro 25 131–135 LED Macro 26 136–140 LED Macro 27 141–145 LED Macro 28 146–150 LED Macro 29 151–155 LED Macro 30 156–160 LED Macro 31 161–165 LED Macro 32 166–170 LED Macro 33 171–175 LED Macro 34 176–180 LED Macro 35 181–185 LED Macro 36 186–190 LED Macro 37 191–198 LED Macro 38 199–200 LED Macro 39 201–205 LED Macro 40 206–210 LED Macro 41 211–215 LED Macro 42 216–255 No function
11	Effect Speed	192	0–127 LED macro speed fast to slow 128–128 Stop 129–255 Reverse LED macro slow to fast
12	Effects1Fade	0	

24ch (continued)

Ch	Function	Default	DMX values
13	Color Wheel 2	0	0–0 No function (wheel slot 1) 1–2 2700K (wheel slot 2) 3–4 3200K (wheel slot 3) 5–6 4200K (wheel slot 4) 7–8 5600K (wheel slot 5) 9–10 8000K (wheel slot 7) 11–11 Blue (wheel slot 8) 12–48 Blue to cyan (wheel slot 9) 49–49 Cyan (wheel slot 10) 50–86 Cyan to green (wheel slot 11) 87–87 Green (wheel slot 12) 88–124 Green to yellow (wheel slot 13) 125–125 Yellow (wheel slot 14) 126–162 Yellow to red (wheel slot 15) 163–163 Red (wheel slot 16) 164–200 Red to magenta (wheel slot 17) 201–201 Magenta (wheel slot 18) 202–238 Magenta to blue (wheel slot 19) 239–239 Blue (wheel slot 8) 240–247 Color fade fast to slow (wheel slot 1) 248–255 Color snap fast to slow (wheel slot 1)
14	Dim Background	0	0–254 Closed 255–255 Open
15	Dimmer	255	0–254 Closed 255–255 Open
16	Dimmer	255	0–254 Closed 255–255 Open
17	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–69 Strobe fast to slow 70–89 Fading strobe 100-0% fast to slow- 90–109 Fading strobe 0-100% fast to slow 110–129 Random strobe fast to slow 130–149 Random fading strobe 100-0% fast to slow 150–169 Random fading strobe 0-100% fast to slow- 170–189 Pulse strobe fast to slow 190–209 Random pulse strobe fast to slow 210–229 Fading strobe 100-0-100% fast to slow 230–244 Random pulse strobe fast to slow 245–255 Open
18	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–69 Strobe fast to slow 70–89 Fading strobe 100-0% fast to slow- 90–109 Fading strobe 0-100% fast to slow 110–129 Random strobe fast to slow 130–149 Random fading strobe 100-0% fast to slow 150–169 Random fading strobe 0-100% fast to slow- 170–189 Pulse strobe fast to slow 190–209 Random pulse strobe fast to slow 210–229 Fading strobe 100-0-100% fast to slow 230–244 Random pulse strobe fast to slow 245–255 Open
19	Zoom	128	0–126 Narrow 127–254 Center 255–255 Wide

24ch (continued)

Ch	Function	Default	DMX values
20	Control1	0	0–9 No function 10–14 Blackout on pan/tilt 15–19 Preset color HTP on 20–24 Preset color HTP off 25–29 Reserved for future use 30–34 Synchronize ring and center LEDs 35–39 De-synchronize ring and center LEDs 40–44 Defrost fan on 45–49 Defrost fan off 50–54 Reset pan 55–59 Reset tilt 60–64 Reset zoom 65–69 Reserved for future use 70–74 Reset all 75–79 PWM 600 Hz 80–84 PWM 1200 Hz 85–89 PWM 2000 Hz 90–94 PWM 4000 Hz 95–99 PWM 6000 Hz 100–104 PWM 15000 Hz 105–109 Reserved for future use 110–114 Red shift on 115–119 Red shift off 120–124 Fan mode ECO 125–129 Fan mode Full 130–134 Fan mode Auto 135–139 Dimmer mode fast 140–144 Dimmer mode smooth 145–149 Linear dimmer curve 150–154 Square dimmer curve 155–159 Inverse square dimmer curve 160–164 S-curve dimmer curve 165–169 WHITE mode 170–174 FULL mode 175–179 Single-color calibration off 180–184 Single-color calibration on 185–239 No function 240–247 Calibration on 248–255 Calibration off
21	Red	255	
22	Green	255	
23	Blue	255	
24	White	255	

30ch

30 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	85	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	C TC	0	0–0 No function 1–255 Color temperature correction 19000K to 2700K

30ch (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 Color 1 (wheel slot 2) 10–14 Color 2 (wheel slot 3) 15–19 Color 3 (wheel slot 4) 20–24 Color 4 (wheel slot 5) 25–29 Color 5 (wheel slot 6) 30–34 Color 6 (wheel slot 7) 35–39 Color 7 (wheel slot 8) 40–44 Color 8 (wheel slot 9) 45–49 Color 9 (wheel slot 10) 50–54 Color 10 (wheel slot 11) 55–59 Color 11 (wheel slot 12) 60–64 Color 12 (wheel slot 13) 65–69 Color 13 (wheel slot 14) 70–74 Color 14 (wheel slot 15) 75–79 Color 15 (wheel slot 16) 80–84 Color 16 (wheel slot 17) 85–89 Color 17 (wheel slot 18) 90–94 Color 18 (wheel slot 19) 95–99 Color 19 (wheel slot 20) 100–104 Color 20 (wheel slot 21) 105–109 Color 21 (wheel slot 22) 110–114 Color 22 (wheel slot 23) 115–119 Color 23 (wheel slot 24) 120–124 Color 24 (wheel slot 25) 125–129 Color 25 (wheel slot 26) 130–134 Color 26 (wheel slot 27) 135–139 Color 27 (wheel slot 28) 140–144 Color 28 (wheel slot 29) 145–149 Color 29 (wheel slot 30) 150–154 Color 30 (wheel slot 31) 155–159 Color 31 (wheel slot 32) 160–164 Color 32 (wheel slot 33) 165–169 Color 33 (wheel slot 34) 170–174 Color 34 (wheel slot 35) 175–179 No function (wheel slot 1) 180–201 Color fade fast to slow (wheel slot 1) 202–207 Stop (wheel slot 1) 208–229 Reverse color fade fast to slow (wheel slot 1) 230–234 No function (wheel slot 1) 235–249 Color jump fast to slow (wheel slot 1) 250–255 No function (wheel slot 1)

30ch (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 Color 1 (wheel slot 2) 10–14 Color 2 (wheel slot 3) 15–19 Color 3 (wheel slot 4) 20–24 Color 4 (wheel slot 5) 25–29 Color 5 (wheel slot 6) 30–34 Color 6 (wheel slot 7) 35–39 Color 7 (wheel slot 8) 40–44 Color 8 (wheel slot 9) 45–49 Color 9 (wheel slot 10) 50–54 Color 10 (wheel slot 11) 55–59 Color 11 (wheel slot 12) 60–64 Color 12 (wheel slot 13) 65–69 Color 13 (wheel slot 14) 70–74 Color 14 (wheel slot 15) 75–79 Color 15 (wheel slot 16) 80–84 Color 16 (wheel slot 17) 85–89 Color 17 (wheel slot 18) 90–94 Color 18 (wheel slot 19) 95–99 Color 19 (wheel slot 20) 100–104 Color 20 (wheel slot 21) 105–109 Color 21 (wheel slot 22) 110–114 Color 22 (wheel slot 23) 115–119 Color 23 (wheel slot 24) 120–124 Color 24 (wheel slot 25) 125–129 Color 25 (wheel slot 26) 130–134 Color 26 (wheel slot 27) 135–139 Color 27 (wheel slot 28) 140–144 Color 28 (wheel slot 29) 145–149 Color 29 (wheel slot 30) 150–154 Color 30 (wheel slot 31) 155–159 Color 31 (wheel slot 32) 160–164 Color 32 (wheel slot 33) 165–169 Color 33 (wheel slot 34) 170–174 Color 34 (wheel slot 35) 175–179 No function (wheel slot 1) 180–201 Color fade fast to slow (wheel slot 1) 202–207 Stop (wheel slot 1) 208–229 Reverse color fade fast to slow (wheel slot 1) 230–234 No function (wheel slot 1) 235–249 Color jump fast to slow (wheel slot 1) 250–255 No function (wheel slot 1)
9	Gobo	0	0–0 No function 1–255 Gobos (indexed)

30ch (continued)

Ch	Function	Default	DMX values
10	Effect	0	0–5 No function 6–10 LED Macro 1 11–15 LED Macro 2 16–20 LED Macro 3 21–25 LED Macro 4 26–30 LED Macro 5 31–35 LED Macro 6 36–40 LED Macro 7 41–45 LED Macro 8 46–50 LED Macro 9 51–55 LED Macro 10 56–60 LED Macro 11 61–65 LED Macro 12 66–70 LED Macro 13 71–75 LED Macro 14 76–80 LED Macro 15 81–85 LED Macro 16 86–90 LED Macro 17 91–95 LED Macro 18 96–100 LED Macro 19 101–105 LED Macro 20 106–110 LED Macro 21 111–115 LED Macro 22 116–120 LED Macro 23 121–125 LED Macro 24 126–130 LED Macro 25 131–135 LED Macro 26 136–140 LED Macro 27 141–145 LED Macro 28 146–150 LED Macro 29 151–155 LED Macro 30 156–160 LED Macro 31 161–165 LED Macro 32 166–170 LED Macro 33 171–175 LED Macro 34 176–180 LED Macro 35 181–185 LED Macro 36 186–190 LED Macro 37 191–198 LED Macro 38 199–200 LED Macro 39 201–205 LED Macro 40 206–210 LED Macro 41 211–215 LED Macro 42 216–255 No function
11	Effect Speed	192	0–127 LED macro speed fast to slow 128–128 Stop 129–255 Reverse LED macro slow to fast
12	Effects1Fade	0	

30ch (continued)

Ch	Function	Default	DMX values
13	Color Wheel 2	0	0–0 No function (wheel slot 1) 1–2 2700K (wheel slot 2) 3–4 3200K (wheel slot 3) 5–6 4200K (wheel slot 4) 7–8 5600K (wheel slot 5) 9–10 8000K (wheel slot 7) 11–11 Blue (wheel slot 8) 12–48 Blue to cyan (wheel slot 9) 49–49 Cyan (wheel slot 10) 50–86 Cyan to green (wheel slot 11) 87–87 Green (wheel slot 12) 88–124 Green to yellow (wheel slot 13) 125–125 Yellow (wheel slot 14) 126–162 Yellow to red (wheel slot 15) 163–163 Red (wheel slot 16) 164–200 Red to magenta (wheel slot 17) 201–201 Magenta (wheel slot 18) 202–238 Magenta to blue (wheel slot 19) 239–239 Blue (wheel slot 8) 240–247 Color fade fast to slow (wheel slot 1) 248–255 Color snap fast to slow (wheel slot 1)
14	Dim Background	0	0–254 Closed 255–255 Open
15	Dimmer	255	0–254 Closed 255–255 Open
16	Dimmer Fine	255	Fine byte of Dimmer
17	Dimmer	255	0–254 Closed 255–255 Open
18	Dimmer Fine	255	Fine byte of Dimmer
19	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–69 Strobe fast to slow 70–89 Fading strobe 100-0% fast to slow- 90–109 Fading strobe 0-100% fast to slow 110–129 Random strobe fast to slow 130–149 Random fading strobe 100-0% fast to slow 150–169 Random fading strobe 0-100% fast to slow- 170–189 Pulse strobe fast to slow 190–209 Random pulse strobe fast to slow 210–229 Fading strobe 100-0-100% fast to slow 230–244 Random pulse strobe fast to slow 245–255 Open
20	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–69 Strobe fast to slow 70–89 Fading strobe 100-0% fast to slow- 90–109 Fading strobe 0-100% fast to slow 110–129 Random strobe fast to slow 130–149 Random fading strobe 100-0% fast to slow 150–169 Random fading strobe 0-100% fast to slow- 170–189 Pulse strobe fast to slow 190–209 Random pulse strobe fast to slow 210–229 Fading strobe 100-0-100% fast to slow 230–244 Random pulse strobe fast to slow 245–255 Open
21	Zoom	128	0–126 Narrow 127–254 Center 255–255 Wide

30ch (continued)

Ch	Function	Default	DMX values
22	Control1	0	0–9 No function 10–14 Blackout on pan/tilt 15–19 Preset color HTP on 20–24 Preset color HTP off 25–29 Reserved for future use 30–34 Synchronize ring and center LEDs 35–39 De-synchronize ring and center LEDs 40–44 Defrost fan on 45–49 Defrost fan off 50–54 Reset pan 55–59 Reset tilt 60–64 Reset zoom 65–69 Reserved for future use 70–74 Reset all 75–79 PWM 600 Hz 80–84 PWM 1200 Hz 85–89 PWM 2000 Hz 90–94 PWM 4000 Hz 95–99 PWM 6000 Hz 100–104 PWM 15000 Hz 105–109 Reserved for future use 110–114 Red shift on 115–119 Red shift off 120–124 Fan mode ECO 125–129 Fan mode Full 130–134 Fan mode Auto 135–139 Dimmer mode fast 140–144 Dimmer mode smooth 145–149 Linear dimmer curve 150–154 Square dimmer curve 155–159 Inverse square dimmer curve 160–164 S-curve dimmer curve 165–169 WHITE mode 170–174 FULL mode 175–179 Single-color calibration off 180–184 Single-color calibration on 185–239 No function 240–247 Calibration on 248–255 Calibration off
23	Red	255	
24	Red Fine	255	Fine byte of Red
25	Green	255	
26	Green Fine	255	Fine byte of Green
27	Blue	255	
28	Blue Fine	255	Fine byte of Blue
29	White	255	
30	White Fine	255	Fine byte of White

37ch

37 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	85	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	

37ch (continued)

Ch	Function	Default	DMX values
6	C TC	0	0–0 No function 1–255 Color temperature correction 19000K to 2700K
7	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 Color 1 (wheel slot 2) 10–14 Color 2 (wheel slot 3) 15–19 Color 3 (wheel slot 4) 20–24 Color 4 (wheel slot 5) 25–29 Color 5 (wheel slot 6) 30–34 Color 6 (wheel slot 7) 35–39 Color 7 (wheel slot 8) 40–44 Color 8 (wheel slot 9) 45–49 Color 9 (wheel slot 10) 50–54 Color 10 (wheel slot 11) 55–59 Color 11 (wheel slot 12) 60–64 Color 12 (wheel slot 13) 65–69 Color 13 (wheel slot 14) 70–74 Color 14 (wheel slot 15) 75–79 Color 15 (wheel slot 16) 80–84 Color 16 (wheel slot 17) 85–89 Color 17 (wheel slot 18) 90–94 Color 18 (wheel slot 19) 95–99 Color 19 (wheel slot 20) 100–104 Color 20 (wheel slot 21) 105–109 Color 21 (wheel slot 22) 110–114 Color 22 (wheel slot 23) 115–119 Color 23 (wheel slot 24) 120–124 Color 24 (wheel slot 25) 125–129 Color 25 (wheel slot 26) 130–134 Color 26 (wheel slot 27) 135–139 Color 27 (wheel slot 28) 140–144 Color 28 (wheel slot 29) 145–149 Color 29 (wheel slot 30) 150–154 Color 30 (wheel slot 31) 155–159 Color 31 (wheel slot 32) 160–164 Color 32 (wheel slot 33) 165–169 Color 33 (wheel slot 34) 170–174 Color 34 (wheel slot 35) 175–179 No function (wheel slot 1) 180–201 Color fade fast to slow (wheel slot 1) 202–207 Stop (wheel slot 1) 208–229 Reverse color fade fast to slow (wheel slot 1) 230–234 No function (wheel slot 1) 235–249 Color jump fast to slow (wheel slot 1) 250–255 No function (wheel slot 1)

37ch (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 Color 1 (wheel slot 2) 10–14 Color 2 (wheel slot 3) 15–19 Color 3 (wheel slot 4) 20–24 Color 4 (wheel slot 5) 25–29 Color 5 (wheel slot 6) 30–34 Color 6 (wheel slot 7) 35–39 Color 7 (wheel slot 8) 40–44 Color 8 (wheel slot 9) 45–49 Color 9 (wheel slot 10) 50–54 Color 10 (wheel slot 11) 55–59 Color 11 (wheel slot 12) 60–64 Color 12 (wheel slot 13) 65–69 Color 13 (wheel slot 14) 70–74 Color 14 (wheel slot 15) 75–79 Color 15 (wheel slot 16) 80–84 Color 16 (wheel slot 17) 85–89 Color 17 (wheel slot 18) 90–94 Color 18 (wheel slot 19) 95–99 Color 19 (wheel slot 20) 100–104 Color 20 (wheel slot 21) 105–109 Color 21 (wheel slot 22) 110–114 Color 22 (wheel slot 23) 115–119 Color 23 (wheel slot 24) 120–124 Color 24 (wheel slot 25) 125–129 Color 25 (wheel slot 26) 130–134 Color 26 (wheel slot 27) 135–139 Color 27 (wheel slot 28) 140–144 Color 28 (wheel slot 29) 145–149 Color 29 (wheel slot 30) 150–154 Color 30 (wheel slot 31) 155–159 Color 31 (wheel slot 32) 160–164 Color 32 (wheel slot 33) 165–169 Color 33 (wheel slot 34) 170–174 Color 34 (wheel slot 35) 175–179 No function (wheel slot 1) 180–201 Color fade fast to slow (wheel slot 1) 202–207 Stop (wheel slot 1) 208–229 Reverse color fade fast to slow (wheel slot 1) 230–234 No function (wheel slot 1) 235–249 Color jump fast to slow (wheel slot 1) 250–255 No function (wheel slot 1)
9	Gobo	0	0–0 No function 1–255 Gobos (indexed)

37ch (continued)

Ch	Function	Default	DMX values
10	Effect	0	0–5 No function 6–10 LED Macro 1 11–15 LED Macro 2 16–20 LED Macro 3 21–25 LED Macro 4 26–30 LED Macro 5 31–35 LED Macro 6 36–40 LED Macro 7 41–45 LED Macro 8 46–50 LED Macro 9 51–55 LED Macro 10 56–60 LED Macro 11 61–65 LED Macro 12 66–70 LED Macro 13 71–75 LED Macro 14 76–80 LED Macro 15 81–85 LED Macro 16 86–90 LED Macro 17 91–95 LED Macro 18 96–100 LED Macro 19 101–105 LED Macro 20 106–110 LED Macro 21 111–115 LED Macro 22 116–120 LED Macro 23 121–125 LED Macro 24 126–130 LED Macro 25 131–135 LED Macro 26 136–140 LED Macro 27 141–145 LED Macro 28 146–150 LED Macro 29 151–155 LED Macro 30 156–160 LED Macro 31 161–165 LED Macro 32 166–170 LED Macro 33 171–175 LED Macro 34 176–180 LED Macro 35 181–185 LED Macro 36 186–190 LED Macro 37 191–198 LED Macro 38 199–200 LED Macro 39 201–205 LED Macro 40 206–210 LED Macro 41 211–215 LED Macro 42 216–255 No function
11	Effect Speed	192	0–127 LED macro speed fast to slow 128–128 Stop 129–255 Reverse LED macro slow to fast
12	Effects1Fade	0	

37ch (continued)

Ch	Function	Default	DMX values
13	Color Wheel 2	0	0–0 No function (wheel slot 1) 1–2 2700K (wheel slot 2) 3–4 3200K (wheel slot 3) 5–6 4200K (wheel slot 4) 7–8 5600K (wheel slot 5) 9–10 8000K (wheel slot 7) 11–11 Blue (wheel slot 8) 12–48 Blue to cyan (wheel slot 9) 49–49 Cyan (wheel slot 10) 50–86 Cyan to green (wheel slot 11) 87–87 Green (wheel slot 12) 88–124 Green to yellow (wheel slot 13) 125–125 Yellow (wheel slot 14) 126–162 Yellow to red (wheel slot 15) 163–163 Red (wheel slot 16) 164–200 Red to magenta (wheel slot 17) 201–201 Magenta (wheel slot 18) 202–238 Magenta to blue (wheel slot 19) 239–239 Blue (wheel slot 8) 240–247 Color fade fast to slow (wheel slot 1) 248–255 Color snap fast to slow (wheel slot 1)
14	Dim Background	0	0–254 Closed 255–255 Open
15	Dim Background Fine	0	Fine byte of Dim Background
16	Dimmer	255	0–254 Closed 255–255 Open
17	Dimmer Fine	255	Fine byte of Dimmer
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer
20	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–69 Strobe fast to slow 70–89 Fading strobe 100-0% fast to slow- 90–109 Fading strobe 0-100% fast to slow 110–129 Random strobe fast to slow 130–149 Random fading strobe 100-0% fast to slow 150–169 Random fading strobe 0-100% fast to slow- 170–189 Pulse strobe fast to slow 190–209 Random pulse strobe fast to slow 210–229 Fading strobe 100-0-100% fast to slow 230–244 Random pulse strobe fast to slow 245–255 Open
21	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–69 Strobe fast to slow 70–89 Fading strobe 100-0% fast to slow- 90–109 Fading strobe 0-100% fast to slow 110–129 Random strobe fast to slow 130–149 Random fading strobe 100-0% fast to slow 150–169 Random fading strobe 0-100% fast to slow- 170–189 Pulse strobe fast to slow 190–209 Random pulse strobe fast to slow 210–229 Fading strobe 100-0-100% fast to slow 230–244 Random pulse strobe fast to slow 245–255 Open
22	Zoom	128	0–126 Narrow 127–254 Center 255–255 Wide

37ch (continued)

Ch	Function	Default	DMX values
23	Control1	0	0–9 No function 10–14 Blackout on pan/tilt 15–19 Preset color HTP on 20–24 Preset color HTP off 25–29 Reserved for future use 30–34 Synchronize ring and center LEDs 35–39 De-synchronize ring and center LEDs 40–44 Defrost fan on 45–49 Defrost fan off 50–54 Reset pan 55–59 Reset tilt 60–64 Reset zoom 65–69 Reserved for future use 70–74 Reset all 75–79 PWM 600 Hz 80–84 PWM 1200 Hz 85–89 PWM 2000 Hz 90–94 PWM 4000 Hz 95–99 PWM 6000 Hz 100–104 PWM 15000 Hz 105–109 Reserved for future use 110–114 Red shift on 115–119 Red shift off 120–124 Fan mode ECO 125–129 Fan mode Full 130–134 Fan mode Auto 135–139 Dimmer mode fast 140–144 Dimmer mode smooth 145–149 Linear dimmer curve 150–154 Square dimmer curve 155–159 Inverse square dimmer curve 160–164 S-curve dimmer curve 165–169 WHITE mode 170–174 FULL mode 175–179 Single-color calibration off 180–184 Single-color calibration on 185–239 No function 240–247 Calibration on 248–255 Calibration off
24	Red	255	0–127 Min 128–254 50% 255–255 Max
25	Red Fine	255	Fine byte of Red
26	Green	255	0–127 Min 128–254 50% 255–255 Max
27	Green Fine	255	Fine byte of Green
28	Blue	255	0–127 Min 128–254 50% 255–255 Max
29	Blue Fine	255	Fine byte of Blue
30	Red	255	0–127 Min 128–254 50% 255–255 Max
31	Red Fine	255	Fine byte of Red
32	Green	255	0–127 Min 128–254 50% 255–255 Max
33	Green Fine	255	Fine byte of Green

37ch (continued)

Ch	Function	Default	DMX values
34	Blue	255	0–127 Min 128–254 50% 255–255 Max
35	Blue Fine	255	Fine byte of Blue
36	White	255	0–127 Min 128–254 50% 255–255 Max
37	White Fine	255	Fine byte of White

64ch

64 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	85	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	C TC	0	0–0 No function 1–255 Color temperature correction 19000K to 2700K

64ch (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 Color 1 (wheel slot 2) 10–14 Color 2 (wheel slot 3) 15–19 Color 3 (wheel slot 4) 20–24 Color 4 (wheel slot 5) 25–29 Color 5 (wheel slot 6) 30–34 Color 6 (wheel slot 7) 35–39 Color 7 (wheel slot 8) 40–44 Color 8 (wheel slot 9) 45–49 Color 9 (wheel slot 10) 50–54 Color 10 (wheel slot 11) 55–59 Color 11 (wheel slot 12) 60–64 Color 12 (wheel slot 13) 65–69 Color 13 (wheel slot 14) 70–74 Color 14 (wheel slot 15) 75–79 Color 15 (wheel slot 16) 80–84 Color 16 (wheel slot 17) 85–89 Color 17 (wheel slot 18) 90–94 Color 18 (wheel slot 19) 95–99 Color 19 (wheel slot 20) 100–104 Color 20 (wheel slot 21) 105–109 Color 21 (wheel slot 22) 110–114 Color 22 (wheel slot 23) 115–119 Color 23 (wheel slot 24) 120–124 Color 24 (wheel slot 25) 125–129 Color 25 (wheel slot 26) 130–134 Color 26 (wheel slot 27) 135–139 Color 27 (wheel slot 28) 140–144 Color 28 (wheel slot 29) 145–149 Color 29 (wheel slot 30) 150–154 Color 30 (wheel slot 31) 155–159 Color 31 (wheel slot 32) 160–164 Color 32 (wheel slot 33) 165–169 Color 33 (wheel slot 34) 170–174 Color 34 (wheel slot 35) 175–179 No function (wheel slot 1) 180–201 Color fade fast to slow (wheel slot 1) 202–207 Stop (wheel slot 1) 208–229 Reverse color fade fast to slow (wheel slot 1) 230–234 No function (wheel slot 1) 235–249 Color jump fast to slow (wheel slot 1) 250–255 No function (wheel slot 1)

64ch (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 Color 1 (wheel slot 2) 10–14 Color 2 (wheel slot 3) 15–19 Color 3 (wheel slot 4) 20–24 Color 4 (wheel slot 5) 25–29 Color 5 (wheel slot 6) 30–34 Color 6 (wheel slot 7) 35–39 Color 7 (wheel slot 8) 40–44 Color 8 (wheel slot 9) 45–49 Color 9 (wheel slot 10) 50–54 Color 10 (wheel slot 11) 55–59 Color 11 (wheel slot 12) 60–64 Color 12 (wheel slot 13) 65–69 Color 13 (wheel slot 14) 70–74 Color 14 (wheel slot 15) 75–79 Color 15 (wheel slot 16) 80–84 Color 16 (wheel slot 17) 85–89 Color 17 (wheel slot 18) 90–94 Color 18 (wheel slot 19) 95–99 Color 19 (wheel slot 20) 100–104 Color 20 (wheel slot 21) 105–109 Color 21 (wheel slot 22) 110–114 Color 22 (wheel slot 23) 115–119 Color 23 (wheel slot 24) 120–124 Color 24 (wheel slot 25) 125–129 Color 25 (wheel slot 26) 130–134 Color 26 (wheel slot 27) 135–139 Color 27 (wheel slot 28) 140–144 Color 28 (wheel slot 29) 145–149 Color 29 (wheel slot 30) 150–154 Color 30 (wheel slot 31) 155–159 Color 31 (wheel slot 32) 160–164 Color 32 (wheel slot 33) 165–169 Color 33 (wheel slot 34) 170–174 Color 34 (wheel slot 35) 175–179 No function (wheel slot 1) 180–201 Color fade fast to slow (wheel slot 1) 202–207 Stop (wheel slot 1) 208–229 Reverse color fade fast to slow (wheel slot 1) 230–234 No function (wheel slot 1) 235–249 Color jump fast to slow (wheel slot 1) 250–255 No function (wheel slot 1)
9	Gobo	0	0–0 No function 1–255 Gobos (indexed)

64ch (continued)

Ch	Function	Default	DMX values
10	Effect	0	0–5 No function 6–10 LED Macro 1 11–15 LED Macro 2 16–20 LED Macro 3 21–25 LED Macro 4 26–30 LED Macro 5 31–35 LED Macro 6 36–40 LED Macro 7 41–45 LED Macro 8 46–50 LED Macro 9 51–55 LED Macro 10 56–60 LED Macro 11 61–65 LED Macro 12 66–70 LED Macro 13 71–75 LED Macro 14 76–80 LED Macro 15 81–85 LED Macro 16 86–90 LED Macro 17 91–95 LED Macro 18 96–100 LED Macro 19 101–105 LED Macro 20 106–110 LED Macro 21 111–115 LED Macro 22 116–120 LED Macro 23 121–125 LED Macro 24 126–130 LED Macro 25 131–135 LED Macro 26 136–140 LED Macro 27 141–145 LED Macro 28 146–150 LED Macro 29 151–155 LED Macro 30 156–160 LED Macro 31 161–165 LED Macro 32 166–170 LED Macro 33 171–175 LED Macro 34 176–180 LED Macro 35 181–185 LED Macro 36 186–190 LED Macro 37 191–198 LED Macro 38 199–200 LED Macro 39 201–205 LED Macro 40 206–210 LED Macro 41 211–215 LED Macro 42 216–255 No function
11	Effect Speed	192	0–127 LED macro speed fast to slow 128–128 Stop 129–255 Reverse LED macro slow to fast
12	Effects1Fade	0	

64ch (continued)

Ch	Function	Default	DMX values
13	Color Wheel 2	0	0–0 No function (wheel slot 1) 1–2 2700K (wheel slot 2) 3–4 3200K (wheel slot 3) 5–6 4200K (wheel slot 4) 7–8 5600K (wheel slot 5) 9–10 8000K (wheel slot 7) 11–11 Blue (wheel slot 8) 12–48 Blue to cyan (wheel slot 9) 49–49 Cyan (wheel slot 10) 50–86 Cyan to green (wheel slot 11) 87–87 Green (wheel slot 12) 88–124 Green to yellow (wheel slot 13) 125–125 Yellow (wheel slot 14) 126–162 Yellow to red (wheel slot 15) 163–163 Red (wheel slot 16) 164–200 Red to magenta (wheel slot 17) 201–201 Magenta (wheel slot 18) 202–238 Magenta to blue (wheel slot 19) 239–239 Blue (wheel slot 8) 240–247 Color fade fast to slow (wheel slot 1) 248–255 Color snap fast to slow (wheel slot 1)
14	Dim Background	0	0–254 Closed 255–255 Open
15	Dimmer	255	0–254 Closed 255–255 Open
16	Dimmer	255	0–254 Closed 255–255 Open
17	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–69 Strobe fast to slow 70–89 Fading strobe 100-0% fast to slow- 90–109 Fading strobe 0-100% fast to slow 110–129 Random strobe fast to slow 130–149 Random fading strobe 100-0% fast to slow 150–169 Random fading strobe 0-100% fast to slow- 170–189 Pulse strobe fast to slow 190–209 Random pulse strobe fast to slow 210–229 Fading strobe 100-0-100% fast to slow 230–244 Random pulse strobe fast to slow 245–255 Open
18	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–69 Strobe fast to slow 70–89 Fading strobe 100-0% fast to slow- 90–109 Fading strobe 0-100% fast to slow 110–129 Random strobe fast to slow 130–149 Random fading strobe 100-0% fast to slow 150–169 Random fading strobe 0-100% fast to slow- 170–189 Pulse strobe fast to slow 190–209 Random pulse strobe fast to slow 210–229 Fading strobe 100-0-100% fast to slow 230–244 Random pulse strobe fast to slow 245–255 Open
19	Zoom	128	0–126 Narrow 127–254 Center 255–255 Wide

64ch (continued)

Ch	Function	Default	DMX values
20	Control1	0	0–9 No function 10–14 Blackout on pan/tilt 15–19 Preset color HTP on 20–24 Preset color HTP off 25–29 Reserved for future use 30–34 Synchronize ring and center LEDs 35–39 De-synchronize ring and center LEDs 40–44 Defrost fan on 45–49 Defrost fan off 50–54 Reset pan 55–59 Reset tilt 60–64 Reset zoom 65–69 Reserved for future use 70–74 Reset all 75–79 PWM 600 Hz 80–84 PWM 1200 Hz 85–89 PWM 2000 Hz 90–94 PWM 4000 Hz 95–99 PWM 6000 Hz 100–104 PWM 15000 Hz 105–109 Reserved for future use 110–114 Red shift on 115–119 Red shift off 120–124 Fan mode ECO 125–129 Fan mode Full 130–134 Fan mode Auto 135–139 Dimmer mode fast 140–144 Dimmer mode smooth 145–149 Linear dimmer curve 150–154 Square dimmer curve 155–159 Inverse square dimmer curve 160–164 S-curve dimmer curve 165–169 WHITE mode 170–174 FULL mode 175–179 Single-color calibration off 180–184 Single-color calibration on 185–239 No function 240–247 Calibration on 248–255 Calibration off
21	Dummy	0	
22	Dummy	0	
23	Dummy	0	
24	Dummy	0	
25	Red	255	0–126 Min 127–254 50% 255–255 Max
26	Green	255	0–127 Min 128–254 50% 255–255 Max
27	Blue	255	0–127 Min 128–254 50% 255–255 Max
28	Red	255	0–126 Min 127–254 50% 255–255 Max
29	Green	255	0–127 Min 128–254 50% 255–255 Max

64ch (continued)

Ch	Function	Default	DMX values
30	Blue	255	0–127 Min 128–254 50% 255–255 Max
31	Red	255	0–127 Min 128–254 50% 255–255 Max
32	Green	255	0–127 Min 128–254 50% 255–255 Max
33	Blue	255	0–127 Min 128–254 50% 255–255 Max
34	Red	255	0–127 Min 128–254 50% 255–255 Max
35	Green	255	0–127 Min 128–254 50% 255–255 Max
36	Blue	255	0–127 Min 128–254 50% 255–255 Max
37	Red	255	0–127 Min 128–254 50% 255–255 Max
38	Green	255	0–127 Min 128–254 50% 255–255 Max
39	Blue	255	0–127 Min 128–254 50% 255–255 Max
40	Red	255	0–127 Min 128–254 50% 255–255 Max
41	Green	255	0–127 Min 128–254 50% 255–255 Max
42	Blue	255	0–127 Min 128–254 50% 255–255 Max
43	Red	255	0–127 Min 128–254 50% 255–255 Max
44	Green	255	0–127 Min 128–254 50% 255–255 Max
45	Blue	255	0–127 Min 128–254 50% 255–255 Max
46	Red	255	0–127 Min 128–254 50% 255–255 Max
47	Green	255	0–127 Min 128–254 50% 255–255 Max

64ch (continued)

Ch	Function	Default	DMX values
48	Blue	255	0–127 Min 128–254 50% 255–255 Max
49	Red	255	0–127 Min 128–254 50% 255–255 Max
50	Green	255	0–127 Min 128–254 50% 255–255 Max
51	Blue	255	0–127 Min 128–254 50% 255–255 Max
52	Red	255	0–127 Min 128–254 50% 255–255 Max
53	Green	255	0–127 Min 128–254 50% 255–255 Max
54	Blue	255	0–127 Min 128–254 50% 255–255 Max
55	Red	255	0–127 Min 128–254 50% 255–255 Max
56	Green	255	0–127 Min 128–254 50% 255–255 Max
57	Blue	255	0–127 Min 128–254 50% 255–255 Max
58	Red	255	0–127 Min 128–254 50% 255–255 Max
59	Green	255	0–127 Min 128–254 50% 255–255 Max
60	Blue	255	0–127 Min 128–254 50% 255–255 Max
61	Red	255	
62	Green	255	
63	Blue	255	
64	White	255	