BeamZ Pro

StarColor 540 Wash



Manufacturer	**BeamZ Pro**
Type	**Moving head**
DMX modes	**11**
DMX footprint	**4, 9, 11, 16, 21, 27, 30 channels**
Beam angle	**20°**
Tilt range	**180°**
Heads / cells	**5**
Size (W × H × D)	**425 × 60 × 300 mm**
GDTF fixture type	**DF84CC06-17E4-472D-BD5B-E8…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

4 Ch	4 ch
4 Ch + Virtual Dimmer	4 ch
9 Ch	9 ch
9 Ch + Virtual Tilt	9 ch
11 Ch + Virtual Tilt	11 ch
16 Ch	16 ch
16 Ch + Virtual Dimmers	16 ch
21 Ch + Virtual Dimmers	21 ch
27 Ch + Virtual Dimmers	27 ch
30 Ch	30 ch
30 Ch + Virtual Tilt	30 ch

4 Ch

4 channels

Ch	Function	Default	DMX values
1	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
2	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
3	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
4	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

4 Ch + Virtual Dimmer

4 channels

Ch	Function	Default	DMX values
1	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
2	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
3	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
4	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

9 Ch

9 channels

Ch	Function	Default	DMX values

9 Ch (continued)

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–25 Shutter1Strobe 2 · Min 1 Hz 26–44 Shutter1Strobe 2 · Min>Medium 1.49–10.3 Hz 45–45 Shutter1Strobe 2 · Medium 10.7 Hz 46–63 Shutter1Strobe 2 · Medium>Max 11.2–19.5 Hz 64–64 Shutter1Strobe 2 · Max 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 4 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 6 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 10 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 14 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
2	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

9 Ch (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 Idle 40–44 Fan Level 1: -70% 45–49 Fan Level 2: -40% 50–54 Fan Level 3: -70% 55–59 Idle 60–64 Fan Mode FULL 65–69 Fan Mode REGULATED 70–74 Fan Mode SILENT 75–89 Control1 1 90–94 Dimmer Curve: LINEAR 95–99 Dimmer Curve: EXPONANTIAL 100–104 Dimmer Curve: LOGARITHMIC 105–109 Dimmer S-Curve 110–114 Normal Dimming: NO RESTRICTIONS 115–119 Idle 120–124 Normal Dimming: SLIGHT RESTRICTIONS 125–129 Control1 2 130–134 Refresh Rate 600Hz 135–139 Refresh Rate 1200Hz 140–144 Refresh Rate 2400 Hz 145–149 Refresh Rate 4800 Hz 150–154 Control1 3 155–159 WDMX- ON 160–164 Idle 165–169 W-DMX OFF 170–174 Idle 175–179 W-DMX Reset 180–184 Control1 4 185–189 LED Power Mode: NORMAL 190–194 LED Power Mode: THEATER 195–199 LED Power Mode: HIGH 200–249 Control1 5 250–255 DisplayIntensity 12
4	Color Wheel	0	0–5 Idle (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Amber Yellow (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 WarnWhite (wheel slot 14) 110–117 White (wheel slot 15) 118–125 CoolWhite (wheel slot 16) 126–127 Idle (wheel slot 1) 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
5	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

9 Ch (continued)

Ch	Function	Default	DMX values
7	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
9	C TC	0	0–9 Idle 10–29 10000 K 30–49 8000 K 50–69 72000 K 70–89 6500 K 90–109 6000 K 110–129 5600 K 130–149 4900 K 150–169 4200 K 170–189 3500 K 190–209 3200 K 210–229 2700 K 230–255 2500 K

9 Ch + Virtual Tilt

9 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–25 Shutter1Strobe 2 · Min 1 Hz 26–44 Shutter1Strobe 2 · Min>Medium 1.49–10.3 Hz 45–45 Shutter1Strobe 2 · Medium 10.7 Hz 46–63 Shutter1Strobe 2 · Medium>Max 11.2–19.5 Hz 64–64 Shutter1Strobe 2 · Max 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 4 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 6 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 10 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 14 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
2	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

9 Ch + Virtual Tilt (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 Idle 40–44 Fan Level 1: -70% 45–49 Fan Level 2: -40% 50–54 Fan Level 3: -70% 55–59 Idle 60–64 Fan Mode FULL 65–69 Fan Mode REGULATED 70–74 Fan Mode SILENT 75–89 Control1 1 90–94 Dimmer Curve: LINEAR 95–99 Dimmer Curve: EXPONANTIAL 100–104 Dimmer Curve: LOGARITHMIC 105–109 Dimmer S-Curve 110–114 Normal Dimming: NO RESTRICTIONS 115–119 Idle 120–124 Normal Dimming: SLIGHT RESTRICTIONS 125–129 Control1 2 130–134 Refresh Rate 600Hz 135–139 Refresh Rate 1200Hz 140–144 Refresh Rate 2400 Hz 145–149 Refresh Rate 4800 Hz 150–154 Control1 3 155–159 WDMX- ON 160–164 Idle 165–169 W-DMX OFF 170–174 Idle 175–179 W-DMX Reset 180–184 Control1 4 185–189 LED Power Mode: NORMAL 190–194 LED Power Mode: THEATER 195–199 LED Power Mode: HIGH 200–249 Control1 5 250–255 DisplayIntensity 12
4	Color Wheel	0	0–5 Idle (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Amber Yellow (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 WarnWhite (wheel slot 14) 110–117 White (wheel slot 15) 118–125 CoolWhite (wheel slot 16) 126–127 Idle (wheel slot 1) 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
5	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

9 Ch + Virtual Tilt (continued)

Ch	Function	Default	DMX values
7	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
9	C TC	0	0–9 Idle 10–29 10000 K 30–49 8000 K 50–69 72000 K 70–89 6500 K 90–109 6000 K 110–129 5600 K 130–149 4900 K 150–169 4200 K 170–189 3500 K 190–209 3200 K 210–229 2700 K 230–255 2500 K

11 Ch + Virtual Tilt

11 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–25 Shutter1Strobe 2 · Min 1 Hz 26–44 Shutter1Strobe 2 · Min>Medium 1.49–10.3 Hz 45–45 Shutter1Strobe 2 · Medium 10.7 Hz 46–63 Shutter1Strobe 2 · Medium>Max 11.2–19.5 Hz 64–64 Shutter1Strobe 2 · Max 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 4 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 6 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 10 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 14 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
2	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

11 Ch + Virtual Tilt (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 Idle 40–44 Fan Level 1: -70% 45–49 Fan Level 2: -40% 50–54 Fan Level 3: -70% 55–59 Idle 60–64 Fan Mode FULL 65–69 Fan Mode REGULATED 70–74 Fan Mode SILENT 75–89 Control1 1 90–94 Dimmer Curve: LINEAR 95–99 Dimmer Curve: EXPONANTIAL 100–104 Dimmer Curve: LOGARITHMIC 105–109 Dimmer S-Curve 110–114 Normal Dimming: NO RESTRICTIONS 115–119 Idle 120–124 Normal Dimming: SLIGHT RESTRICTIONS 125–129 Control1 2 130–134 Refresh Rate 600Hz 135–139 Refresh Rate 1200Hz 140–144 Refresh Rate 2400 Hz 145–149 Refresh Rate 4800 Hz 150–154 Control1 3 155–159 WDMX- ON 160–164 Idle 165–169 W-DMX OFF 170–174 Idle 175–179 W-DMX Reset 180–184 Control1 4 185–189 LED Power Mode: NORMAL 190–194 LED Power Mode: THEATER 195–199 LED Power Mode: HIGH 200–249 Control1 5 250–255 DisplayIntensity 12
4	Color Wheel	0	0–5 Idle (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Amber Yellow (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 WarnWhite (wheel slot 14) 110–117 White (wheel slot 15) 118–125 CoolWhite (wheel slot 16) 126–127 Idle (wheel slot 1) 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
5	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

11 Ch + Virtual Tilt (continued)

Ch	Function	Default	DMX values
7	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
9	C TC	0	0–9 Idle 10–29 10000 K 30–49 8000 K 50–69 72000 K 70–89 6500 K 90–109 6000 K 110–129 5600 K 130–149 4900 K 150–169 4200 K 170–189 3500 K 190–209 3200 K 210–229 2700 K 230–255 2500 K
10	Color Macro1	0	0–9 Idle 10–19 Auto Program 1 20–29 Auto Program 2 30–39 Auto Program 3 40–49 Auto Program 4 50–59 Auto Program 5 60–69 Auto Program 6 70–79 Auto Program 7 80–89 Auto Program 8 90–99 Auto Program 9 100–109 Auto Program 10 110–119 Auto Program 11 120–129 Auto Program 12 130–139 Auto Program 13 140–149 Auto Program 14 150–159 Auto Program 15 160–169 Auto Program 16 170–179 Auto Program 17 180–189 Auto Program 18 190–199 Auto Program 19 200–255 Auto Program 20
11	Color Macro1Rate	0	

16 Ch

16 channels

Ch	Function	Default	DMX values
1	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
2	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

16 Ch (continued)

Ch	Function	Default	DMX values
3	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
4	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
5	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
7	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
9	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
10	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
11	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
12	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
13	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

16 Ch (continued)

Ch	Function	Default	DMX values
14	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
15	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
16	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

16 Ch + Virtual Dimmers

16 channels

Ch	Function	Default	DMX values
1	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
2	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
3	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
4	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
5	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
7	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

16 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
8	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
9	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
10	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
11	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
12	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
13	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
14	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
15	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
16	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

21 Ch + Virtual Dimmers

21 channels

Ch	Function	Default	DMX values

21 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–25 Shutter1Strobe 2 · Min 1 Hz 26–44 Shutter1Strobe 2 · Min>Medium 1.49–10.3 Hz 45–45 Shutter1Strobe 2 · Medium 10.7 Hz 46–63 Shutter1Strobe 2 · Medium>Max 11.2–19.5 Hz 64–64 Shutter1Strobe 2 · Max 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 4 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 6 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 10 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 14 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
2	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

21 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 Idle 40–44 Fan Level 1: -70% 45–49 Fan Level 2: -40% 50–54 Fan Level 3: -70% 55–59 Idle 60–64 Fan Mode FULL 65–69 Fan Mode REGULATED 70–74 Fan Mode SILENT 75–89 Control1 1 90–94 Dimmer Curve: LINEAR 95–99 Dimmer Curve: EXPONANTIAL 100–104 Dimmer Curve: LOGARITHMIC 105–109 Dimmer S-Curve 110–114 Normal Dimming: NO RESTRICTIONS 115–119 Idle 120–124 Normal Dimming: SLIGHT RESTRICTIONS 125–129 Control1 2 130–134 Refresh Rate 600Hz 135–139 Refresh Rate 1200Hz 140–144 Refresh Rate 2400 Hz 145–149 Refresh Rate 4800 Hz 150–154 Control1 3 155–159 WDMX- ON 160–164 Idle 165–169 W-DMX OFF 170–174 Idle 175–179 W-DMX Reset 180–184 Control1 4 185–189 LED Power Mode: NORMAL 190–194 LED Power Mode: THEATER 195–199 LED Power Mode: HIGH 200–249 Control1 5 250–255 DisplayIntensity 12
4	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
5	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
7	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

21 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
9	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
10	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
11	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
12	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
13	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
14	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
15	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
16	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
17	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
18	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
19	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

21 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
20	Color Macro1	0	0–9 Idle 10–19 Auto Program 1 20–29 Auto Program 2 30–39 Auto Program 3 40–49 Auto Program 4 50–59 Auto Program 5 60–69 Auto Program 6 70–79 Auto Program 7 80–89 Auto Program 8 90–99 Auto Program 9 100–109 Auto Program 10 110–119 Auto Program 11 120–129 Auto Program 12 130–139 Auto Program 13 140–149 Auto Program 14 150–159 Auto Program 15 160–169 Auto Program 16 170–179 Auto Program 17 180–189 Auto Program 18 190–199 Auto Program 19 200–255 Auto Program 20
21	Color Macro1Rate	0	

27 Ch + Virtual Dimmers

27 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–25 Shutter1Strobe 2 · Min 1 Hz 26–44 Shutter1Strobe 2 · Min>Medium 1.49–10.3 Hz 45–45 Shutter1Strobe 2 · Medium 10.7 Hz 46–63 Shutter1Strobe 2 · Medium>Max 11.2–19.5 Hz 64–64 Shutter1Strobe 2 · Max 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 4 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 6 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 10 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 14 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
2	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

27 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 Idle 40–44 Fan Level 1: -70% 45–49 Fan Level 2: -40% 50–54 Fan Level 3: -70% 55–59 Idle 60–64 Fan Mode FULL 65–69 Fan Mode REGULATED 70–74 Fan Mode SILENT 75–89 Control1 1 90–94 Dimmer Curve: LINEAR 95–99 Dimmer Curve: EXPONANTIAL 100–104 Dimmer Curve: LOGARITHMIC 105–109 Dimmer S-Curve 110–114 Normal Dimming: NO RESTRICTIONS 115–119 Idle 120–124 Normal Dimming: SLIGHT RESTRICTIONS 125–129 Control1 2 130–134 Refresh Rate 600Hz 135–139 Refresh Rate 1200Hz 140–144 Refresh Rate 2400 Hz 145–149 Refresh Rate 4800 Hz 150–154 Control1 3 155–159 WDMX- ON 160–164 Idle 165–169 W-DMX OFF 170–174 Idle 175–179 W-DMX Reset 180–184 Control1 4 185–189 LED Power Mode: NORMAL 190–194 LED Power Mode: THEATER 195–199 LED Power Mode: HIGH 200–249 Control1 5 250–255 DisplayIntensity 12
4	Color Wheel	0	0–5 Idle (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Amber Yellow (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 WarnWhite (wheel slot 14) 110–117 White (wheel slot 15) 118–125 CoolWhite (wheel slot 16) 126–127 Idle (wheel slot 1) 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
5	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

27 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
7	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
9	C TC	0	0–9 Idle 10–29 10000 K 30–49 8000 K 50–69 72000 K 70–89 6500 K 90–109 6000 K 110–129 5600 K 130–149 4900 K 150–169 4200 K 170–189 3500 K 190–209 3200 K 210–229 2700 K 230–255 2500 K
10	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
11	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
12	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
13	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
14	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
15	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
16	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

27 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
17	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
18	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
19	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
20	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
21	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
22	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
23	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
24	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
25	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

27 Ch + Virtual Dimmers (continued)

Ch	Function	Default	DMX values
26	Color Macro1	0	0–9 Idle 10–19 Auto Program 1 20–29 Auto Program 2 30–39 Auto Program 3 40–49 Auto Program 4 50–59 Auto Program 5 60–69 Auto Program 6 70–79 Auto Program 7 80–89 Auto Program 8 90–99 Auto Program 9 100–109 Auto Program 10 110–119 Auto Program 11 120–129 Auto Program 12 130–139 Auto Program 13 140–149 Auto Program 14 150–159 Auto Program 15 160–169 Auto Program 16 170–179 Auto Program 17 180–189 Auto Program 18 190–199 Auto Program 19 200–255 Auto Program 20
27	Color Macro1Rate	0	

30 Ch

30 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–25 Shutter1Strobe 2 · Min 1 Hz 26–44 Shutter1Strobe 2 · Min>Medium 1.49–10.3 Hz 45–45 Shutter1Strobe 2 · Medium 10.7 Hz 46–63 Shutter1Strobe 2 · Medium>Max 11.2–19.5 Hz 64–64 Shutter1Strobe 2 · Max 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 4 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 6 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 10 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 14 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
2	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

30 Ch (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 Idle 40–44 Fan Level 1: -70% 45–49 Fan Level 2: -40% 50–54 Fan Level 3: -70% 55–59 Idle 60–64 Fan Mode FULL 65–69 Fan Mode REGULATED 70–74 Fan Mode SILENT 75–89 Control1 1 90–94 Dimmer Curve: LINEAR 95–99 Dimmer Curve: EXPONANTIAL 100–104 Dimmer Curve: LOGARITHMIC 105–109 Dimmer S-Curve 110–114 Normal Dimming: NO RESTRICTIONS 115–119 Idle 120–124 Normal Dimming: SLIGHT RESTRICTIONS 125–129 Control1 2 130–134 Refresh Rate 600Hz 135–139 Refresh Rate 1200Hz 140–144 Refresh Rate 2400 Hz 145–149 Refresh Rate 4800 Hz 150–154 Control1 3 155–159 WDMX- ON 160–164 Idle 165–169 W-DMX OFF 170–174 Idle 175–179 W-DMX Reset 180–184 Control1 4 185–189 LED Power Mode: NORMAL 190–194 LED Power Mode: THEATER 195–199 LED Power Mode: HIGH 200–249 Control1 5 250–255 DisplayIntensity 12
4	Color Wheel	0	0–5 Idle (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Amber Yellow (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 WarnWhite (wheel slot 14) 110–117 White (wheel slot 15) 118–125 CoolWhite (wheel slot 16) 126–127 Idle (wheel slot 1) 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
5	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
6	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

30 Ch (continued)

Ch	Function	Default	DMX values
7	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
9	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
10	Intensity MSpeed	0	
11	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
12	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
13	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
14	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
15	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
16	Intensity MSpeed	0	
17	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
18	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
19	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

30 Ch (continued)

Ch	Function	Default	DMX values
20	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
21	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
22	Intensity MSpeed	0	
23	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
24	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
25	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
26	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
27	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
28	Intensity MSpeed	0	
29	Color Macro1	0	0–9 Idle 10–19 Auto Program 1 20–29 Auto Program 2 30–39 Auto Program 3 40–49 Auto Program 4 50–59 Auto Program 5 60–69 Auto Program 6 70–79 Auto Program 7 80–89 Auto Program 8 90–99 Auto Program 9 100–109 Auto Program 10 110–119 Auto Program 11 120–129 Auto Program 12 130–139 Auto Program 13 140–149 Auto Program 14 150–159 Auto Program 15 160–169 Auto Program 16 170–179 Auto Program 17 180–189 Auto Program 18 190–199 Auto Program 19 200–255 Auto Program 20
30	Color Macro1Rate	0	

30 Ch + Virtual Tilt

30 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–25 Shutter1Strobe 2 · Min 1 Hz 26–44 Shutter1Strobe 2 · Min>Medium 1.49–10.3 Hz 45–45 Shutter1Strobe 2 · Medium 10.7 Hz 46–63 Shutter1Strobe 2 · Medium>Max 11.2–19.5 Hz 64–64 Shutter1Strobe 2 · Max 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 4 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 6 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 10 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 14 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
2	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

30 Ch + Virtual Tilt (continued)

Ch	Function	Default	DMX values
3	Control1	0	0–39 Idle 40–44 Fan Level 1: -70% 45–49 Fan Level 2: -40% 50–54 Fan Level 3: -70% 55–59 Idle 60–64 Fan Mode FULL 65–69 Fan Mode REGULATED 70–74 Fan Mode SILENT 75–89 Control1 1 90–94 Dimmer Curve: LINEAR 95–99 Dimmer Curve: EXPONANTIAL 100–104 Dimmer Curve: LOGARITHMIC 105–109 Dimmer S-Curve 110–114 Normal Dimming: NO RESTRICTIONS 115–119 Idle 120–124 Normal Dimming: SLIGHT RESTRICTIONS 125–129 Control1 2 130–134 Refresh Rate 600Hz 135–139 Refresh Rate 1200Hz 140–144 Refresh Rate 2400 Hz 145–149 Refresh Rate 4800 Hz 150–154 Control1 3 155–159 WDMX- ON 160–164 Idle 165–169 W-DMX OFF 170–174 Idle 175–179 W-DMX Reset 180–184 Control1 4 185–189 LED Power Mode: NORMAL 190–194 LED Power Mode: THEATER 195–199 LED Power Mode: HIGH 200–249 Control1 5 250–255 DisplayIntensity 12
4	Color Wheel	0	0–5 Idle (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Amber Yellow (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 WarnWhite (wheel slot 14) 110–117 White (wheel slot 15) 118–125 CoolWhite (wheel slot 16) 126–127 Idle (wheel slot 1) 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
5	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
6	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

30 Ch + Virtual Tilt (continued)

Ch	Function	Default	DMX values
7	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
9	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
10	Intensity MSpeed	0	
11	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
12	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
13	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
14	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
15	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
16	Intensity MSpeed	0	
17	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
18	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
19	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

30 Ch + Virtual Tilt (continued)

Ch	Function	Default	DMX values
20	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
21	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
22	Intensity MSpeed	0	
23	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
24	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
25	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
26	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
27	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
28	Intensity MSpeed	0	
29	Color Macro1	0	0–9 Idle 10–19 Auto Program 1 20–29 Auto Program 2 30–39 Auto Program 3 40–49 Auto Program 4 50–59 Auto Program 5 60–69 Auto Program 6 70–79 Auto Program 7 80–89 Auto Program 8 90–99 Auto Program 9 100–109 Auto Program 10 110–119 Auto Program 11 120–129 Auto Program 12 130–139 Auto Program 13 140–149 Auto Program 14 150–159 Auto Program 15 160–169 Auto Program 16 170–179 Auto Program 17 180–189 Auto Program 18 190–199 Auto Program 19 200–255 Auto Program 20
30	Color Macro1Rate	0	