BeamZ Pro

StarColor 540Z Wash



Manufacturer	**BeamZ Pro**
Type	**Moving head**
DMX modes	**7**
DMX footprint	**8, 16, 19, 20, 29, 35, 38 channels**
Beam angle	**7-58°**
Tilt range	**180°**
Heads / cells	**6**
Size (W × H × D)	**425 × 60 × 300 mm**
GDTF fixture type	**CBDD9AA5-C9F9-4BFA-819E-E…**

Controls

Zoom · Extra LED colours · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

8 CH + Virtual Tilt	8 ch
16 CH + Virtual Tilt	16 ch
19 CH + Virtual Tilt	19 ch
20 CH + Virtual Tilt	20 ch
29 CH + Virtual Tilt	29 ch
35 CH + Virtual Tilt	35 ch
38 CH + Virtual Tilt	38 ch

8 CH + Virtual Tilt

8 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
3	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
4	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
5	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
7	Green	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
8	Blue	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

16 CH + Virtual Tilt

16 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

16 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–34 Shutter1Strobe 2 · 000 1–5.38 Hz 35–43 Shutter1Strobe 2 · 025 5.87–9.77 Hz 44–53 Shutter1Strobe 2 · 050 10.3–14.6 Hz 54–63 Shutter1Strobe 2 · 075 15.1–19.5 Hz 64–64 Shutter1Strobe 2 · 100 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
3	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

16 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
4	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
5	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
6	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
7	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

16 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
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	C TC	0	0–9 Idle 10–29 10000 K 30–49 8000 K 50–69 7200 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	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
12	Shutter / Strobe	0	0–5 Shutter OPEN 6–10 Shutter CLOSED 11–70 Shutter1Strobe 2 · 000 1–5.69 Hz 71–130 Shutter1Strobe 2 · 025 5.77–10.5 Hz 131–190 Shutter1Strobe 2 · 050 10.5–15.2 Hz 191–249 Shutter1Strobe 2 · 075 15.3–19.9 Hz 250–250 Shutter1Strobe 2 · 100 20 Hz 251–255 Idle
13	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
14	Green	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
15	Blue	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

16 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
16	Color Wheel 2	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast

19 CH + Virtual Tilt

19 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Zoom Fine	128	Fine byte of Zoom
3	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–34 Shutter1Strobe 2 · 000 1–5.38 Hz 35–43 Shutter1Strobe 2 · 025 5.87–9.77 Hz 44–53 Shutter1Strobe 2 · 050 10.3–14.6 Hz 54–63 Shutter1Strobe 2 · 075 15.1–19.5 Hz 64–64 Shutter1Strobe 2 · 100 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

19 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
5	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
6	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
7	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

19 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
9	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
10	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
11	C TC	0	0–9 Idle 10–29 10000 K 30–49 8000 K 50–69 7200 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
12	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
13	Color Macro1Rate	0	
14	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
15	Shutter / Strobe	0	0–5 Shutter OPEN 6–10 Shutter CLOSED 11–70 Shutter1Strobe 2 · 000 1–5.69 Hz 71–130 Shutter1Strobe 2 · 025 5.77–10.5 Hz 131–190 Shutter1Strobe 2 · 050 10.5–15.2 Hz 191–249 Shutter1Strobe 2 · 075 15.3–19.9 Hz 250–250 Shutter1Strobe 2 · 100 20 Hz 251–255 Idle

19 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
16	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
17	Green	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
18	Blue	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
19	Color Wheel 2	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast

20 CH + Virtual Tilt

20 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
3	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
4	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

20 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
5	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
6	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
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	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

20 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
16	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
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	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
19	Green	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
20	Blue	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

29 CH + Virtual Tilt

29 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Zoom Fine	128	Fine byte of Zoom

29 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–34 Shutter1Strobe 2 · 000 1–5.38 Hz 35–43 Shutter1Strobe 2 · 025 5.87–9.77 Hz 44–53 Shutter1Strobe 2 · 050 10.3–14.6 Hz 54–63 Shutter1Strobe 2 · 075 15.1–19.5 Hz 64–64 Shutter1Strobe 2 · 100 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

29 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
5	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
6	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
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	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

29 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
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
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

29 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
22	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
23	Color Macro1Rate	0	
24	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
25	Shutter / Strobe	0	0–5 Shutter OPEN 6–10 Shutter CLOSED 11–70 Shutter1Strobe 2 · 000 1–5.69 Hz 71–130 Shutter1Strobe 2 · 025 5.77–10.5 Hz 131–190 Shutter1Strobe 2 · 050 10.5–15.2 Hz 191–249 Shutter1Strobe 2 · 075 15.3–19.9 Hz 250–250 Shutter1Strobe 2 · 100 20 Hz 251–255 Idle
26	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
27	Green	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
28	Blue	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

29 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
29	Color Wheel 2	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast

35 CH + Virtual Tilt

35 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Zoom Fine	128	Fine byte of Zoom
3	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–34 Shutter1Strobe 2 · 000 1–5.38 Hz 35–43 Shutter1Strobe 2 · 025 5.87–9.77 Hz 44–53 Shutter1Strobe 2 · 050 10.3–14.6 Hz 54–63 Shutter1Strobe 2 · 075 15.1–19.5 Hz 64–64 Shutter1Strobe 2 · 100 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

35 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
5	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
6	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
7	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
8	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

35 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
9	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
10	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
11	C TC	0	0–9 Idle 10–29 10000 K 30–49 8000 K 50–69 7200 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
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	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
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

35 CH + Virtual Tilt (continued)

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

35 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
28	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
29	Color Macro1Rate	0	
30	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
31	Shutter / Strobe	0	0–5 Shutter OPEN 6–10 Shutter CLOSED 11–70 Shutter1Strobe 2 · 000 1–5.69 Hz 71–130 Shutter1Strobe 2 · 025 5.77–10.5 Hz 131–190 Shutter1Strobe 2 · 050 10.5–15.2 Hz 191–249 Shutter1Strobe 2 · 075 15.3–19.9 Hz 250–250 Shutter1Strobe 2 · 100 20 Hz 251–255 Idle
32	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
33	Green	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
34	Blue	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

35 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
35	Color Wheel 2	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast

38 CH + Virtual Tilt

38 channels

Ch	Function	Default	DMX values
1	Zoom	128	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Zoom Fine	128	Fine byte of Zoom
3	Shutter / Strobe	22	0–19 Shutter CLOSED 20–24 Shutter OPEN 25–34 Shutter1Strobe 2 · 000 1–5.38 Hz 35–43 Shutter1Strobe 2 · 025 5.87–9.77 Hz 44–53 Shutter1Strobe 2 · 050 10.3–14.6 Hz 54–63 Shutter1Strobe 2 · 075 15.1–19.5 Hz 64–64 Shutter1Strobe 2 · 100 20 Hz 65–69 Shutter1OPEN 1 70–84 Shutter1StrobePulse 85–89 Shutter1OPEN 2 90–104 Shutter1StrobeRandomPulse 105–109 Shutter1OPEN 3 110–124 Shutter1StrobePulseOpen 125–129 Shutter1OPEN 4 130–144 Shutter1StrobeRandomPulseOpen 145–149 Shutter1OPEN 5 150–164 Shutter1StrobePulseClose 165–169 Shutter1OPEN 6 170–184 StrobeModeRandomPulseClose 185–189 Shutter1OPEN 7 190–204 Shutter1StrobeRandom 205–209 Shutter1OPEN 8 210–224 Shutter1StrobeLightning 225–229 Shutter1OPEN 9 230–244 Shutter1StrobeBurst 245–255 Shutter1OPEN
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

38 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
5	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
6	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast
7	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
8	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max

38 CH + Virtual Tilt (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	Intensity MSpeed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
13	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
14	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
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
17	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
18	Intensity MSpeed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
19	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

38 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
20	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
21	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
22	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
23	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
24	Intensity MSpeed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
25	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
26	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
27	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
28	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
29	Color Add CW	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
30	Intensity MSpeed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

38 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
31	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
32	Color Macro1Rate	0	
33	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
34	Shutter / Strobe	0	0–5 Shutter OPEN 6–10 Shutter CLOSED 11–70 Shutter1Strobe 2 · 000 1–5.69 Hz 71–130 Shutter1Strobe 2 · 025 5.77–10.5 Hz 131–190 Shutter1Strobe 2 · 050 10.5–15.2 Hz 191–249 Shutter1Strobe 2 · 075 15.3–19.9 Hz 250–250 Shutter1Strobe 2 · 100 20 Hz 251–255 Idle
35	Red	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
36	Green	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
37	Blue	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

38 CH + Virtual Tilt (continued)

Ch	Function	Default	DMX values
38	Color Wheel 2	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 128–191 ColorMacro1 Jump Slow>Fast 192–255 ColorMacro1 Fade Slow>Fast