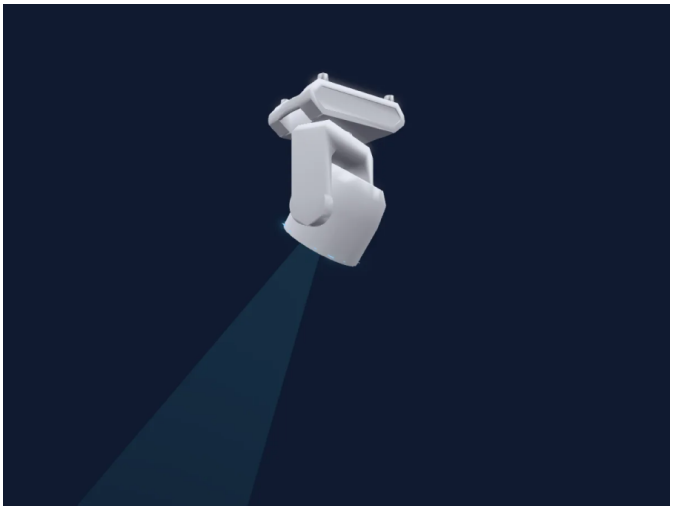
Chauvet Professional

Maverick Storm 2 BeamWash



Manufacturer	**Chauvet Professional**
Type	**Moving head**
DMX modes	**13**
DMX footprint	**11, 19, 31, 34, 37, 45, 93, 112, 143, 224, 263, 325 channels**
Beam angle	**3.6-47.4°**
Pan range	**540°**
Tilt range	**260°**
Heads / cells	**31**
Size (W × H × D)	**290 × 254 × 280 mm**
GDTF fixture type	**3E52B14F-B8F0-4250-8407-FD1…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

Dual Control Mode Movement: Basic 11ch	11 ch
Single Control: Busking 19Ch	19 ch
Single Control: Basic 31ch	31 ch
Dual Control Mode Movement: Standard 34ch	34 ch
Single Control: Basic2 37ch	37 ch
Single Control: Basic3 37Ch	37 ch
Dual Control Mode Movement: Advanced 45ch	45 ch
Dual Control Mode Pixels: Basic 93ch	93 ch
Dual Control Mode Pixels: Standard 112ch	112 ch
Single Control: Standard 143ch	143 ch
Dual Control Mode Pixels Advanced 224ch	224 ch
Single Control: Advanced 263ch	263 ch
Single Control: Tour 325ch	325 ch

Dual Control Mode Movement: Basic 11ch

11 channels

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	0–126 Min 127–254 Home 255–255 Max
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–0 Fast 1–254 Fast > Slow 255–255 Slow
6	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
7	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
8	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Dual Control Mode Movement: Basic 11ch (continued)

Ch	Function	Default	DMX values
9	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
10	Zoom	127	0–0 Narrow 1–254 Narrow > Wide 255–255 Wide

Dual Control Mode Movement: Basic 11ch (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–9 No Function 10–14 Blackout on P/T 15–19 Reserved 20–24 RGBW (Additive) Color Mixing Mode 25–29 CMY (Subtractive) Color Mixing Mode 30–34 Combine Main And Ring 35–39 Disable Combine Main And Ring 40–44 Defrost Fan On 45–49 Defrost Fan Off 50–54 Pan Reset 55–59 Tilt Reset 60–64 Zoom Reset 65–69 Reserved 70–74 Reset All 75–84 Reserved 85–89 Reverse Pan 90–94 Reverse Tilt 95–99 Normal Pan 100–104 Normal Tilt 105–109 Reserved 110–114 Color Mixing HTP: ON 115–119 Color Mixing HTP: OFF 120–124 Fan Mode ECO 125–129 Full Fan Mode 130–134 Auto Fan Mode 135–139 Fast Dimmer Mode 140–144 Slow Dimmer Mode 145–149 Dimmer Curve Linear 150–154 Dimmer Curve Square 155–159 Dimmer Curve Inverse Square 160–164 Dimmer Curve S-Curve 165–169 White Mode 170–174 Full Mode 175–179 Single-Color Calibration Off 180–184 Single-Color Calibration On 185–186 PWM 600Hz 187–188 PWM 1200Hz 189–190 PWM 2000Hz 191–192 PWM 4000Hz 193–194 PWM 6000Hz 195–196 PWM 15000Hz 197–239 No Function 240–247 Calibration On 248–255 Calibration Off

Single Control: Busking 19Ch

19 channels

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt	127	0–126 Min 127–254 Home 255–255 Max
3	Position MSpeed	0	0–0 Fast 1–254 Fast > Slow 255–255 Slow
4	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Busking 19Ch (continued)

Ch	Function	Default	DMX values
5	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 Strobe Fast > Slow · Fast 0.1 Hz 26–63 Strobe Fast > Slow · Fast > Slow 0.61–19.5 Hz 64–64 Strobe Fast > Slow · Slow 20 Hz 65–69 Shutter Open 70–70 STROBE 100-0% Fast > Slow · Fast 0.1 Hz 71–83 STROBE 100-0% Fast > Slow · Fast > Slow 1.52–18.6 Hz 84–84 STROBE 100-0% Fast > Slow · Slow 20 Hz 85–89 Shutter Open 90–90 STROBE 0-100% Fast > Slow · Fast 0.1 Hz 91–103 STROBE 0-100% Fast > Slow · Fast > Slow 1.52–18.6 Hz 104–104 STROBE 0-100% Fast > Slow · Slow 20 Hz 105–109 Shutter Open 110–110 Random Strobe Fast > Slow · Fast 0.1 Hz 111–123 Random Strobe Fast > Slow · Fast > Slow 1.52–18.6… 124–124 Random Strobe Fast > Slow · Slow 20 Hz 125–129 Shutter Open 130–130 Random Strobe 100-0% Fast > Slow · Fast 0.1 Hz 131–143 Random Strobe 100-0% Fast > Slow · Fast > Slow 1…. 144–144 Random Strobe 100-0% Fast > Slow · Slow 20 Hz 145–149 Shutter Open 150–150 Random Strobe 0-100% Fast > Slow · Fast 0.1 Hz 151–163 Random Strobe 0-100% Fast > Slow · Fast > Slow 1…. 164–164 Random Strobe 0-100% Fast > Slow · Slow 20 Hz 165–169 Shutter Open 170–170 Pulse Strobe Fast > Slow · Fast 0.1 Hz 171–183 Pulse Strobe Fast > Slow · Fast > Slow 1.52–18.6 Hz 184–184 Pulse Strobe Fast > Slow · Slow 20 Hz 185–189 Shutter Open 190–190 Random Pulse Strobe Fast > Slow · Fast 0.1 Hz 191–203 Random Pulse Strobe Fast > Slow · Fast > Slow 1.5… 204–204 Random Pulse Strobe Fast > Slow · Slow 20 Hz 205–209 Shutter Open 210–210 Strobe 0-100-0% Fast > Slow · Fast 0.1 Hz 211–223 Strobe 0-100-0% Fast > Slow · Fast > Slow 1.52–18.… 224–224 Strobe 0-100-0% Fast > Slow · Slow 20 Hz 225–229 Shutter Open 230–230 Random Pulse Strobe Fast > Slow 1 · Fast 0.1 Hz 231–243 Random Pulse Strobe Fast > Slow 1 · Fast > Slow 1…. 244–244 Random Pulse Strobe Fast > Slow 1 · Slow 20 Hz 245–255 Shutter Open
6	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
9	White	255	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Busking 19Ch (continued)

Ch	Function	Default	DMX values
10	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow

Single Control: Busking 19Ch (continued)

Ch	Function	Default	DMX values
11	Effect 2	0	0–15 Open 16–20 LED Built-In 1 - Macro 21–25 LED Built-In 2 - Macro 26–30 LED Built-In 3 - Macro 31–35 LED Built-In 4 - Macro 36–40 LED Built-In 5 - Macro 41–45 LED Built-In 6 - Macro 46–50 LED Built-In 7 - Macro 51–55 LED Built-In 8 - Macro 56–60 LED Built-In 9 - Macro 61–65 LED Built-In 10 - Macro 66–70 LED Built-In 11 - Macro 71–75 LED Built-In 12 - Macro 76–80 LED Built-In 13 - Macro 81–85 LED Built-In 14 - Macro 86–90 LED Built-In 15 - Macro 91–95 LED Built-In 16 - Macro 96–100 LED Built-In 17 - Macro 101–104 LED Built-In 18 - Macro 105–110 LED Built-In 19 - Macro 111–115 LED Built-In 20 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
12	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
13	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Busking 19Ch (continued)

Ch	Function	Default	DMX values
14	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Single Control: Busking 19Ch (continued)

Ch	Function	Default	DMX values
15	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow

Single Control: Busking 19Ch (continued)

Ch	Function	Default	DMX values
16	Effect 2	0	0–5 No Function 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
17	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
18	Zoom	127	0–0 Narrow 1–254 Narrow > Wide 255–255 Wide

Single Control: Busking 19Ch (continued)

Ch	Function	Default	DMX values
19	Control1	0	0–9 No Function 10–14 Blackout on P/T 15–19 Reserved 20–24 RGBW (Additive) Color Mixing Mode 25–29 CMY (Subtractive) Color Mixing Mode 30–34 Combine Main And Ring 35–39 Disable Combine Main And Ring 40–44 Defrost Fan On 45–49 Defrost Fan Off 50–54 Pan Reset 55–59 Tilt Reset 60–64 Zoom Reset 65–69 Reserved 70–74 Reset All 75–84 Reserved 85–89 Reverse Pan 90–94 Reverse Tilt 95–99 Normal Pan 100–104 Normal Tilt 105–109 Reserved 110–114 Color Mixing HTP: ON 115–119 Color Mixing HTP: OFF 120–124 Fan Mode ECO 125–129 Full Fan Mode 130–134 Auto Fan Mode 135–139 Fast Dimmer Mode 140–144 Slow Dimmer Mode 145–149 Dimmer Curve Linear 150–154 Dimmer Curve Square 155–159 Dimmer Curve Inverse Square 160–164 Dimmer Curve S-Curve 165–169 White Mode 170–174 Full Mode 175–179 Single-Color Calibration Off 180–184 Single-Color Calibration On 185–186 PWM 600Hz 187–188 PWM 1200Hz 189–190 PWM 2000Hz 191–192 PWM 4000Hz 193–194 PWM 6000Hz 195–196 PWM 15000Hz 197–239 No Function 240–247 Calibration On 248–255 Calibration Off

Single Control: Basic 31ch

31 channels

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	0–126 Min 127–254 Home 255–255 Max
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–0 Fast 1–254 Fast > Slow 255–255 Slow

Single Control: Basic 31ch (continued)

Ch	Function	Default	DMX values
6	C TC	0	
7	C TC	0	
8	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
9	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
10	Effect	0	0–0 Open 1–255 Gobo Indexing
11	Effect	0	0–0 Open 1–255 Gobo Indexing

Single Control: Basic 31ch (continued)

Ch	Function	Default	DMX values
12	Effect 2	0	0–5 Open 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
13	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
14	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Basic 31ch (continued)

Ch	Function	Default	DMX values
15	Effect 2	0	0–15 Open 16–20 LED Built-In 1 - Macro 21–25 LED Built-In 2 - Macro 26–30 LED Built-In 3 - Macro 31–35 LED Built-In 4 - Macro 36–40 LED Built-In 5 - Macro 41–45 LED Built-In 6 - Macro 46–50 LED Built-In 7 - Macro 51–55 LED Built-In 8 - Macro 56–60 LED Built-In 9 - Macro 61–65 LED Built-In 10 - Macro 66–70 LED Built-In 11 - Macro 71–75 LED Built-In 12 - Macro 76–80 LED Built-In 13 - Macro 81–85 LED Built-In 14 - Macro 86–90 LED Built-In 15 - Macro 91–95 LED Built-In 16 - Macro 96–100 LED Built-In 17 - Macro 101–104 LED Built-In 18 - Macro 105–110 LED Built-In 19 - Macro 111–115 LED Built-In 20 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
16	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
17	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Basic 31ch (continued)

Ch	Function	Default	DMX values
18	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
19	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
20	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
21	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
22	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Basic 31ch (continued)

Ch	Function	Default	DMX values
23	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
24	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Single Control: Basic 31ch (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
26	Zoom	127	0–0 Narrow 1–254 Narrow > Wide 255–255 Wide

Single Control: Basic 31ch (continued)

Ch	Function	Default	DMX values
27	Control1	0	0–9 No Function 10–14 Blackout on P/T 15–19 Reserved 20–24 RGBW (Additive) Color Mixing Mode 25–29 CMY (Subtractive) Color Mixing Mode 30–34 Combine Main And Ring 35–39 Disable Combine Main And Ring 40–44 Defrost Fan On 45–49 Defrost Fan Off 50–54 Pan Reset 55–59 Tilt Reset 60–64 Zoom Reset 65–69 Reserved 70–74 Reset All 75–84 Reserved 85–89 Reverse Pan 90–94 Reverse Tilt 95–99 Normal Pan 100–104 Normal Tilt 105–109 Reserved 110–114 Color Mixing HTP: ON 115–119 Color Mixing HTP: OFF 120–124 Fan Mode ECO 125–129 Full Fan Mode 130–134 Auto Fan Mode 135–139 Fast Dimmer Mode 140–144 Slow Dimmer Mode 145–149 Dimmer Curve Linear 150–154 Dimmer Curve Square 155–159 Dimmer Curve Inverse Square 160–164 Dimmer Curve S-Curve 165–169 White Mode 170–174 Full Mode 175–179 Single-Color Calibration Off 180–184 Single-Color Calibration On 185–186 PWM 600Hz 187–188 PWM 1200Hz 189–190 PWM 2000Hz 191–192 PWM 4000Hz 193–194 PWM 6000Hz 195–196 PWM 15000Hz 197–239 No Function 240–247 Calibration On 248–255 Calibration Off
28	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
29	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
30	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
31	White	255	0–0 Min 1–254 Min > Max 255–255 Max

Dual Control Mode Movement: Standard 34ch

34 channels

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	0–126 Min 127–254 Home 255–255 Max
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–0 Fast 1–254 Fast > Slow 255–255 Slow
6	C TC	0	
7	C TC	0	
8	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow

Dual Control Mode Movement: Standard 34ch (continued)

Ch	Function	Default	DMX values
9	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
10	Effect	0	0–0 Open 1–255 Gobo Indexing
11	Effect	0	0–0 Open 1–255 Gobo Indexing

Dual Control Mode Movement: Standard 34ch (continued)

Ch	Function	Default	DMX values
12	Effect 2	0	0–5 Open 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
13	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
14	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Dual Control Mode Movement: Standard 34ch (continued)

Ch	Function	Default	DMX values
15	Effect 2	0	0–5 Open 16–20 LED Built-In 1 - Macro 21–25 LED Built-In 2 - Macro 26–30 LED Built-In 3 - Macro 31–35 LED Built-In 4 - Macro 36–40 LED Built-In 5 - Macro 41–45 LED Built-In 6 - Macro 46–50 LED Built-In 7 - Macro 51–55 LED Built-In 8 - Macro 56–60 LED Built-In 9 - Macro 61–65 LED Built-In 10 - Macro 66–70 LED Built-In 11 - Macro 71–75 LED Built-In 12 - Macro 76–80 LED Built-In 13 - Macro 81–85 LED Built-In 14 - Macro 86–90 LED Built-In 15 - Macro 91–95 LED Built-In 16 - Macro 96–100 LED Built-In 17 - Macro 101–104 LED Built-In 18 - Macro 105–110 LED Built-In 19 - Macro 111–115 LED Built-In 20 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
16	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
17	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Dual Control Mode Movement: Standard 34ch (continued)

Ch	Function	Default	DMX values
18	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
19	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
20	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
21	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
22	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

Dual Control Mode Movement: Standard 34ch (continued)

Ch	Function	Default	DMX values
23	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
24	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Dual Control Mode Movement: Standard 34ch (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
26	Zoom	127	0–0 Narrow 1–254 Narrow > Wide 255–255 Wide

Dual Control Mode Movement: Standard 34ch (continued)

Ch	Function	Default	DMX values
27	Control1	0	0–9 No Function 10–14 Blackout on P/T 15–19 Reserved 20–24 RGBW (Additive) Color Mixing Mode 25–29 CMY (Subtractive) Color Mixing Mode 30–34 Combine Main And Ring 35–39 Disable Combine Main And Ring 40–44 Defrost Fan On 45–49 Defrost Fan Off 50–54 Pan Reset 55–59 Tilt Reset 60–64 Zoom Reset 65–69 Reserved 70–74 Reset All 75–84 Reserved 85–89 Reverse Pan 90–94 Reverse Tilt 95–99 Normal Pan 100–104 Normal Tilt 105–109 Reserved 110–114 Color Mixing HTP: ON 115–119 Color Mixing HTP: OFF 120–124 Fan Mode ECO 125–129 Full Fan Mode 130–134 Auto Fan Mode 135–139 Fast Dimmer Mode 140–144 Slow Dimmer Mode 145–149 Dimmer Curve Linear 150–154 Dimmer Curve Square 155–159 Dimmer Curve Inverse Square 160–164 Dimmer Curve S-Curve 165–169 White Mode 170–174 Full Mode 175–179 Single-Color Calibration Off 180–184 Single-Color Calibration On 185–186 PWM 600Hz 187–188 PWM 1200Hz 189–190 PWM 2000Hz 191–192 PWM 4000Hz 193–194 PWM 6000Hz 195–196 PWM 15000Hz 197–239 No Function 240–247 Calibration On 248–255 Calibration Off
28	R Overwrite	0	0–0 Min 1–254 Min > Max 255–255 Max
29	R Overwrite	0	0–0 Min 1–254 Min > Max 255–255 Max
30	G Overwrite	0	0–0 Min 1–254 Min > Max 255–255 Max
31	G Overwrite	0	0–0 Min 1–254 Min > Max 255–255 Max
32	B Overwrite	0	0–0 Min 1–254 Min > Max 255–255 Max

Dual Control Mode Movement: Standard 34ch (continued)

Ch	Function	Default	DMX values
33	B Overwrite	0	0–0 Min 1–254 Min > Max 255–255 Max
34	W Overwrite	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Basic2 37ch

37 channels

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	0–126 Min 127–254 Home 255–255 Max
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–0 Fast 1–254 Fast > Slow 255–255 Slow
6	C TC	0	
7	C TC	0	
8	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow

Single Control: Basic2 37ch (continued)

Ch	Function	Default	DMX values
9	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
10	Effect	0	0–0 Open 1–255 Gobo Indexing
11	Effect	0	0–0 Open 1–255 Gobo Indexing

Single Control: Basic2 37ch (continued)

Ch	Function	Default	DMX values
12	Effect 2	0	0–5 Open 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
13	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
14	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Basic2 37ch (continued)

Ch	Function	Default	DMX values
15	Effect 2	0	0–15 Open 16–20 LED Built-In 1 - Macro 21–25 LED Built-In 2 - Macro 26–30 LED Built-In 3 - Macro 31–35 LED Built-In 4 - Macro 36–40 LED Built-In 5 - Macro 41–45 LED Built-In 6 - Macro 46–50 LED Built-In 7 - Macro 51–55 LED Built-In 8 - Macro 56–60 LED Built-In 9 - Macro 61–65 LED Built-In 10 - Macro 66–70 LED Built-In 11 - Macro 71–75 LED Built-In 12 - Macro 76–80 LED Built-In 13 - Macro 81–85 LED Built-In 14 - Macro 86–90 LED Built-In 15 - Macro 91–95 LED Built-In 16 - Macro 96–100 LED Built-In 17 - Macro 101–104 LED Built-In 18 - Macro 105–110 LED Built-In 19 - Macro 111–115 LED Built-In 20 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
16	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
17	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Basic2 37ch (continued)

Ch	Function	Default	DMX values
18	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
19	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
20	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
21	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
22	Dimmer	0	
23	Dimmer Fine	0	Fine byte of Dimmer
24	Dimmer	0	

Single Control: Basic2 37ch (continued)

Ch	Function	Default	DMX values
25	Dimmer Fine	0	Fine byte of Dimmer
26	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Single Control: Basic2 37ch (continued)

Ch	Function	Default	DMX values
27	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
28	Zoom	127	0–0 Narrow 1–254 Narrow > Wide 255–255 Wide

Single Control: Basic2 37ch (continued)

Ch	Function	Default	DMX values
29	Control1	0	0–9 No Function 10–14 Blackout on P/T 15–19 Reserved 20–24 RGBW (Additive) Color Mixing Mode 25–29 CMY (Subtractive) Color Mixing Mode 30–34 Combine Main And Ring 35–39 Disable Combine Main And Ring 40–44 Defrost Fan On 45–49 Defrost Fan Off 50–54 Pan Reset 55–59 Tilt Reset 60–64 Zoom Reset 65–69 Reserved 70–74 Reset All 75–84 Reserved 85–89 Reverse Pan 90–94 Reverse Tilt 95–99 Normal Pan 100–104 Normal Tilt 105–109 Reserved 110–114 Color Mixing HTP: ON 115–119 Color Mixing HTP: OFF 120–124 Fan Mode ECO 125–129 Full Fan Mode 130–134 Auto Fan Mode 135–139 Fast Dimmer Mode 140–144 Slow Dimmer Mode 145–149 Dimmer Curve Linear 150–154 Dimmer Curve Square 155–159 Dimmer Curve Inverse Square 160–164 Dimmer Curve S-Curve 165–169 White Mode 170–174 Full Mode 175–179 Single-Color Calibration Off 180–184 Single-Color Calibration On 185–186 PWM 600Hz 187–188 PWM 1200Hz 189–190 PWM 2000Hz 191–192 PWM 4000Hz 193–194 PWM 6000Hz 195–196 PWM 15000Hz 197–239 No Function 240–247 Calibration On 248–255 Calibration Off
30	Red	255	
31	Red Fine	255	Fine byte of Red
32	Green	255	
33	Green Fine	255	Fine byte of Green
34	Blue	255	
35	Blue Fine	255	Fine byte of Blue
36	White	255	
37	White Fine	255	Fine byte of White

Single Control: Basic3 37Ch

37 channels

Ch	Function	Default	DMX values

Single Control: Basic3 37Ch (continued)

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	0–126 Min 127–254 Home 255–255 Max
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–0 Fast 1–254 Fast > Slow 255–255 Slow
6	C TC	0	
7	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow

Single Control: Basic3 37Ch (continued)

Ch	Function	Default	DMX values
8	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
9	Effect	0	0–0 Open 1–255 Gobo Indexing

Single Control: Basic3 37Ch (continued)

Ch	Function	Default	DMX values
10	Effect 2	0	0–5 Open 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
11	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
12	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Single Control: Basic3 37Ch (continued)

Ch	Function	Default	DMX values
13	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
14	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
15	Background Dimmer Fine	0	Fine byte of Background Dimmer
16	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
17	Dimmer Fine	0	Fine byte of Dimmer
18	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
19	Dimmer Fine	0	Fine byte of Dimmer

Single Control: Basic3 37Ch (continued)

Ch	Function	Default	DMX values
20	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Single Control: Basic3 37Ch (continued)

Ch	Function	Default	DMX values
21	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
22	Zoom	127	0–0 Narrow 1–254 Narrow > Wide 255–255 Wide

Single Control: Basic3 37Ch (continued)

Ch	Function	Default	DMX values
23	Control1	0	0–9 No Function 10–14 Blackout on P/T 15–19 Reserved 20–24 RGBW (Additive) Color Mixing Mode 25–29 CMY (Subtractive) Color Mixing Mode 30–34 Combine Main And Ring 35–39 Disable Combine Main And Ring 40–44 Defrost Fan On 45–49 Defrost Fan Off 50–54 Pan Reset 55–59 Tilt Reset 60–64 Zoom Reset 65–69 Reserved 70–74 Reset All 75–84 Reserved 85–89 Reverse Pan 90–94 Reverse Tilt 95–99 Normal Pan 100–104 Normal Tilt 105–109 Reserved 110–114 Color Mixing HTP: ON 115–119 Color Mixing HTP: OFF 120–124 Fan Mode ECO 125–129 Full Fan Mode 130–134 Auto Fan Mode 135–139 Fast Dimmer Mode 140–144 Slow Dimmer Mode 145–149 Dimmer Curve Linear 150–154 Dimmer Curve Square 155–159 Dimmer Curve Inverse Square 160–164 Dimmer Curve S-Curve 165–169 White Mode 170–174 Full Mode 175–179 Single-Color Calibration Off 180–184 Single-Color Calibration On 185–186 PWM 600Hz 187–188 PWM 1200Hz 189–190 PWM 2000Hz 191–192 PWM 4000Hz 193–194 PWM 6000Hz 195–196 PWM 15000Hz 197–239 No Function 240–247 Calibration On 248–255 Calibration Off
24	Red	255	
25	Red Fine	255	Fine byte of Red
26	Green	255	
27	Green Fine	255	Fine byte of Green
28	Blue	255	
29	Blue Fine	255	Fine byte of Blue
30	Red	255	
31	Red Fine	255	Fine byte of Red
32	Green	255	
33	Green Fine	255	Fine byte of Green
34	Blue	255	
35	Blue Fine	255	Fine byte of Blue
36	White	255	

Single Control: Basic3 37Ch (continued)

Ch	Function	Default	DMX values
37	White Fine	255	Fine byte of White

Dual Control Mode Movement: Advanced 45ch

45 channels

Ch	Function	Default	DMX values
1	Pan	127	0–126 Min 127–254 Home 255–255 Max
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	0–126 Min 127–254 Home 255–255 Max
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–0 Fast 1–254 Fast > Slow 255–255 Slow
6	C TC	0	
7	C TC	0	
8	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow

Dual Control Mode Movement: Advanced 45ch (continued)

Ch	Function	Default	DMX values
9	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 8000K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
10	Effect	0	0–0 Open 1–255 Gobo Indexing
11	Effect	0	0–0 Open 1–255 Gobo Indexing

Dual Control Mode Movement: Advanced 45ch (continued)

Ch	Function	Default	DMX values
12	Effect 2	0	0–5 Open 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
13	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
14	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Dual Control Mode Movement: Advanced 45ch (continued)

Ch	Function	Default	DMX values
15	Effect 2	0	0–15 Open 16–20 LED Built-In 1 - Macro 21–25 LED Built-In 2 - Macro 26–30 LED Built-In 3 - Macro 31–35 LED Built-In 4 - Macro 36–40 LED Built-In 5 - Macro 41–45 LED Built-In 6 - Macro 46–50 LED Built-In 7 - Macro 51–55 LED Built-In 8 - Macro 56–60 LED Built-In 9 - Macro 61–65 LED Built-In 10 - Macro 66–70 LED Built-In 11 - Macro 71–75 LED Built-In 12 - Macro 76–80 LED Built-In 13 - Macro 81–85 LED Built-In 14 - Macro 86–90 LED Built-In 15 - Macro 91–95 LED Built-In 16 - Macro 96–100 LED Built-In 17 - Macro 101–104 LED Built-In 18 - Macro 105–110 LED Built-In 19 - Macro 111–115 LED Built-In 20 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
16	Effect Speed 2	128	0–127 Fast > Slow 128–128 Stop 129–255 Slow > Fast
17	Effects2Adjust1	0	0–0 Min 1–254 Min > Max 255–255 Max

Dual Control Mode Movement: Advanced 45ch (continued)

Ch	Function	Default	DMX values
18	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
19	Background Dimmer	0	
20	Background Dimmer Fine	0	Fine byte of Background Dimmer
21	Color Macro2	0	0–0 Open 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–8 White 4200K - CTC (wheel slot 3) 9–10 White 5600K - CTC (wheel slot 4) 11–12 White 6500K - CTC (wheel slot 5) 13–14 White 8000K - CTC (wheel slot 6) 15–15 Blue (wheel slot 7) 16–51 +Green (wheel slot 8) 52–52 Cyan (wheel slot 9) 53–88 -Blue (wheel slot 10) 89–89 Green (wheel slot 11) 90–125 +Red (wheel slot 12) 126–126 Yellow (wheel slot 13) 127–162 -Green (wheel slot 14) 163–163 Red (wheel slot 15) 164–200 +Blue (wheel slot 16) 201–201 Magenta (wheel slot 17) 202–238 -Red (wheel slot 18) 239–239 Blue (wheel slot 7) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
22	Background Dimmer	0	
23	Background Dimmer Fine	0	Fine byte of Background Dimmer
24	Dimmer	0	
25	Dimmer Fine	0	Fine byte of Dimmer
26	Dimmer	0	

Dual Control Mode Movement: Advanced 45ch (continued)

Ch	Function	Default	DMX values
27	Dimmer Fine	0	Fine byte of Dimmer
28	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Dual Control Mode Movement: Advanced 45ch (continued)

Ch	Function	Default	DMX values
29	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
30	Zoom	127	0–0 Narrow 1–254 Narrow > Wide 255–255 Wide

Dual Control Mode Movement: Advanced 45ch (continued)

Ch	Function	Default	DMX values
31	Control1	0	0–9 No Function 10–14 Blackout on P/T 15–19 Reserved 20–24 RGBW (Additive) Color Mixing Mode 25–29 CMY (Subtractive) Color Mixing Mode 30–34 Combine Main And Ring 35–39 Disable Combine Main And Ring 40–44 Defrost Fan On 45–49 Defrost Fan Off 50–54 Pan Reset 55–59 Tilt Reset 60–64 Zoom Reset 65–69 Reserved 70–74 Reset All 75–84 Reserved 85–89 Reverse Pan 90–94 Reverse Tilt 95–99 Normal Pan 100–104 Normal Tilt 105–109 Reserved 110–114 Color Mixing HTP: ON 115–119 Color Mixing HTP: OFF 120–124 Fan Mode ECO 125–129 Full Fan Mode 130–134 Auto Fan Mode 135–139 Fast Dimmer Mode 140–144 Slow Dimmer Mode 145–149 Dimmer Curve Linear 150–154 Dimmer Curve Square 155–159 Dimmer Curve Inverse Square 160–164 Dimmer Curve S-Curve 165–169 White Mode 170–174 Full Mode 175–179 Single-Color Calibration Off 180–184 Single-Color Calibration On 185–186 PWM 600Hz 187–188 PWM 1200Hz 189–190 PWM 2000Hz 191–192 PWM 4000Hz 193–194 PWM 6000Hz 195–196 PWM 15000Hz 197–239 No Function 240–247 Calibration On 248–255 Calibration Off
32	R Overwrite	0	
33	R Overwrite Fine	0	Fine byte of R Overwrite
34	R Overwrite	0	
35	R Overwrite Fine	0	Fine byte of R Overwrite
36	G Overwrite	0	
37	G Overwrite Fine	0	Fine byte of G Overwrite
38	G Overwrite	0	
39	G Overwrite Fine	0	Fine byte of G Overwrite
40	B Overwrite	0	
41	B Overwrite Fine	0	Fine byte of B Overwrite
42	B Overwrite	0	
43	B Overwrite Fine	0	Fine byte of B Overwrite
44	W Overwrite	0	

Dual Control Mode Movement: Advanced 45ch (continued)

Ch	Function	Default	DMX values
45	W Overwrite Fine	0	Fine byte of W Overwrite

Dual Control Mode Pixels: Basic 93ch

93 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Red	255	
5	Green	255	
6	Blue	255	
7	Red	255	
8	Green	255	
9	Blue	255	
10	Red	255	
11	Green	255	
12	Blue	255	
13	Red	255	
14	Green	255	
15	Blue	255	
16	Red	255	
17	Green	255	
18	Blue	255	
19	Red	255	
20	Green	255	
21	Blue	255	
22	Red	255	
23	Green	255	
24	Blue	255	
25	Red	255	
26	Green	255	
27	Blue	255	
28	Red	255	
29	Green	255	
30	Blue	255	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Red	255	
35	Green	255	
36	Blue	255	
37	Red	255	
38	Green	255	
39	Blue	255	
40	Red	255	

Dual Control Mode Pixels: Basic 93ch (continued)

Ch	Function	Default	DMX values
41	Green	255	
42	Blue	255	
43	Red	255	
44	Green	255	
45	Blue	255	
46	Red	255	
47	Green	255	
48	Blue	255	
49	Red	255	
50	Green	255	
51	Blue	255	
52	Red	255	
53	Green	255	
54	Blue	255	
55	Red	255	
56	Green	255	
57	Blue	255	
58	Red	255	
59	Green	255	
60	Blue	255	
61	Red	255	
62	Green	255	
63	Blue	255	
64	Red	255	
65	Green	255	
66	Blue	255	
67	Red	255	
68	Green	255	
69	Blue	255	
70	Red	255	
71	Green	255	
72	Blue	255	
73	Red	255	
74	Green	255	
75	Blue	255	
76	Red	255	
77	Green	255	
78	Blue	255	
79	Red	255	
80	Green	255	
81	Blue	255	
82	Red	255	
83	Green	255	
84	Blue	255	
85	Red	255	

Dual Control Mode Pixels: Basic 93ch (continued)

Ch	Function	Default	DMX values
86	Green	255	
87	Blue	255	
88	Red	255	
89	Green	255	
90	Blue	255	
91	Red	255	
92	Green	255	
93	Blue	255	

Dual Control Mode Pixels: Standard 112ch

112 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Red	255	
5	Green	255	
6	Blue	255	
7	Red	255	
8	Green	255	
9	Blue	255	
10	Red	255	
11	Green	255	
12	Blue	255	
13	Red	255	
14	Green	255	
15	Blue	255	
16	Red	255	
17	Green	255	
18	Blue	255	
19	Red	255	
20	Green	255	
21	Blue	255	
22	Red	255	
23	Green	255	
24	Blue	255	
25	Red	255	
26	Green	255	
27	Blue	255	
28	Red	255	
29	Green	255	
30	Blue	255	
31	Red	255	
32	Green	255	
33	Blue	255	

Dual Control Mode Pixels: Standard 112ch (continued)

Ch	Function	Default	DMX values
34	Red	255	
35	Green	255	
36	Blue	255	
37	Red	255	
38	Green	255	
39	Blue	255	
40	White	255	
41	Red	255	
42	Green	255	
43	Blue	255	
44	White	255	
45	Red	255	
46	Green	255	
47	Blue	255	
48	White	255	
49	Red	255	
50	Green	255	
51	Blue	255	
52	White	255	
53	Red	255	
54	Green	255	
55	Blue	255	
56	White	255	
57	Red	255	
58	Green	255	
59	Blue	255	
60	White	255	
61	Red	255	
62	Green	255	
63	Blue	255	
64	White	255	
65	Red	255	
66	Green	255	
67	Blue	255	
68	White	255	
69	Red	255	
70	Green	255	
71	Blue	255	
72	White	255	
73	Red	255	
74	Green	255	
75	Blue	255	
76	White	255	
77	Red	255	
78	Green	255	

Dual Control Mode Pixels: Standard 112ch (continued)

Ch	Function	Default	DMX values
79	Blue	255	
80	White	255	
81	Red	255	
82	Green	255	
83	Blue	255	
84	White	255	
85	Red	255	
86	Green	255	
87	Blue	255	
88	White	255	
89	Red	255	
90	Green	255	
91	Blue	255	
92	White	255	
93	Red	255	
94	Green	255	
95	Blue	255	
96	White	255	
97	Red	255	
98	Green	255	
99	Blue	255	
100	White	255	
101	Red	255	
102	Green	255	
103	Blue	255	
104	White	255	
105	Red	255	
106	Green	255	
107	Blue	255	
108	White	255	
109	Red	255	
110	Green	255	
111	Blue	255	
112	White	255	

Single Control: Standard 143ch

143 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	
6	C TC	0	
7	C TC	0	

Single Control: Standard 143ch (continued)

Ch	Function	Default	DMX values
8	Color Macro1	0	
9	Color Macro1	0	
10	Effect	0	0–0 Open 1–255 Gobo Indexing
11	Effect	0	0–0 Open 1–255 Gobo Indexing
12	Effect 2	0	0–5 Open 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
13	Effect Speed 2	128	
14	Effects2Adjust1	0	

Single Control: Standard 143ch (continued)

Ch	Function	Default	DMX values
15	Effect 2	0	0–15 Open 16–20 LED Built-In 1 - Macro 21–25 LED Built-In 2 - Macro 26–30 LED Built-In 3 - Macro 31–35 LED Built-In 4 - Macro 36–40 LED Built-In 5 - Macro 41–45 LED Built-In 6 - Macro 46–50 LED Built-In 7 - Macro 51–55 LED Built-In 8 - Macro 56–60 LED Built-In 9 - Macro 61–65 LED Built-In 10 - Macro 66–70 LED Built-In 11 - Macro 71–75 LED Built-In 12 - Macro 76–80 LED Built-In 13 - Macro 81–85 LED Built-In 14 - Macro 86–90 LED Built-In 15 - Macro 91–95 LED Built-In 16 - Macro 96–100 LED Built-In 17 - Macro 101–104 LED Built-In 18 - Macro 105–110 LED Built-In 19 - Macro 111–115 LED Built-In 20 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
16	Effect Speed 2	128	
17	Effects2Adjust1	0	
18	Color Macro2	0	
19	Background Dimmer	0	
20	Color Macro2	0	
21	Background Dimmer	0	
22	Dimmer	0	
23	Dimmer	0	

Single Control: Standard 143ch (continued)

Ch	Function	Default	DMX values
24	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Single Control: Standard 143ch (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
26	Zoom	127	
27	Control1	0	
28	R Overwrite	0	
29	G Overwrite	0	
30	B Overwrite	0	
31	W Overwrite	0	
32	Red	255	
33	Green	255	
34	Blue	255	
35	Red	255	
36	Green	255	
37	Blue	255	
38	Red	255	
39	Green	255	
40	Blue	255	

Single Control: Standard 143ch (continued)

Ch	Function	Default	DMX values
41	Red	255	
42	Green	255	
43	Blue	255	
44	Red	255	
45	Green	255	
46	Blue	255	
47	Red	255	
48	Green	255	
49	Blue	255	
50	Red	255	
51	Green	255	
52	Blue	255	
53	Red	255	
54	Green	255	
55	Blue	255	
56	Red	255	
57	Green	255	
58	Blue	255	
59	Red	255	
60	Green	255	
61	Blue	255	
62	Red	255	
63	Green	255	
64	Blue	255	
65	Red	255	
66	Green	255	
67	Blue	255	
68	Red	255	
69	Green	255	
70	Blue	255	
71	White	255	
72	Red	255	
73	Green	255	
74	Blue	255	
75	White	255	
76	Red	255	
77	Green	255	
78	Blue	255	
79	White	255	
80	Red	255	
81	Green	255	
82	Blue	255	
83	White	255	
84	Red	255	
85	Green	255	

Single Control: Standard 143ch (continued)

Ch	Function	Default	DMX values
86	Blue	255	
87	White	255	
88	Red	255	
89	Green	255	
90	Blue	255	
91	White	255	
92	Red	255	
93	Green	255	
94	Blue	255	
95	White	255	
96	Red	255	
97	Green	255	
98	Blue	255	
99	White	255	
100	Red	255	
101	Green	255	
102	Blue	255	
103	White	255	
104	Red	255	
105	Green	255	
106	Blue	255	
107	White	255	
108	Red	255	
109	Green	255	
110	Blue	255	
111	White	255	
112	Red	255	
113	Green	255	
114	Blue	255	
115	White	255	
116	Red	255	
117	Green	255	
118	Blue	255	
119	White	255	
120	Red	255	
121	Green	255	
122	Blue	255	
123	White	255	
124	Red	255	
125	Green	255	
126	Blue	255	
127	White	255	
128	Red	255	
129	Green	255	
130	Blue	255	

Single Control: Standard 143ch (continued)

Ch	Function	Default	DMX values
131	White	255	
132	Red	255	
133	Green	255	
134	Blue	255	
135	White	255	
136	Red	255	
137	Green	255	
138	Blue	255	
139	White	255	
140	Red	255	
141	Green	255	
142	Blue	255	
143	White	255	

Dual Control Mode Pixels Advanced 224ch

224 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	Red	255	
14	Red Fine	255	Fine byte of Red
15	Green	255	
16	Green Fine	255	Fine byte of Green
17	Blue	255	
18	Blue Fine	255	Fine byte of Blue
19	Red	255	
20	Red Fine	255	Fine byte of Red
21	Green	255	
22	Green Fine	255	Fine byte of Green
23	Blue	255	
24	Blue Fine	255	Fine byte of Blue
25	Red	255	
26	Red Fine	255	Fine byte of Red
27	Green	255	
28	Green Fine	255	Fine byte of Green

Dual Control Mode Pixels Advanced 224ch (continued)

Ch	Function	Default	DMX values
29	Blue	255	
30	Blue Fine	255	Fine byte of Blue
31	Red	255	
32	Red Fine	255	Fine byte of Red
33	Green	255	
34	Green Fine	255	Fine byte of Green
35	Blue	255	
36	Blue Fine	255	Fine byte of Blue
37	Red	255	
38	Red Fine	255	Fine byte of Red
39	Green	255	
40	Green Fine	255	Fine byte of Green
41	Blue	255	
42	Blue Fine	255	Fine byte of Blue
43	Red	255	
44	Red Fine	255	Fine byte of Red
45	Green	255	
46	Green Fine	255	Fine byte of Green
47	Blue	255	
48	Blue Fine	255	Fine byte of Blue
49	Red	255	
50	Red Fine	255	Fine byte of Red
51	Green	255	
52	Green Fine	255	Fine byte of Green
53	Blue	255	
54	Blue Fine	255	Fine byte of Blue
55	Red	255	
56	Red Fine	255	Fine byte of Red
57	Green	255	
58	Green Fine	255	Fine byte of Green
59	Blue	255	
60	Blue Fine	255	Fine byte of Blue
61	Red	255	
62	Red Fine	255	Fine byte of Red
63	Green	255	
64	Green Fine	255	Fine byte of Green
65	Blue	255	
66	Blue Fine	255	Fine byte of Blue
67	Red	255	
68	Red Fine	255	Fine byte of Red
69	Green	255	
70	Green Fine	255	Fine byte of Green
71	Blue	255	
72	Blue Fine	255	Fine byte of Blue
73	Red	255	

Dual Control Mode Pixels Advanced 224ch (continued)

Ch	Function	Default	DMX values
74	Red Fine	255	Fine byte of Red
75	Green	255	
76	Green Fine	255	Fine byte of Green
77	Blue	255	
78	Blue Fine	255	Fine byte of Blue
79	White	255	
80	White Fine	255	Fine byte of White
81	Red	255	
82	Red Fine	255	Fine byte of Red
83	Green	255	
84	Green Fine	255	Fine byte of Green
85	Blue	255	
86	Blue Fine	255	Fine byte of Blue
87	White	255	
88	White Fine	255	Fine byte of White
89	Red	255	
90	Red Fine	255	Fine byte of Red
91	Green	255	
92	Green Fine	255	Fine byte of Green
93	Blue	255	
94	Blue Fine	255	Fine byte of Blue
95	White	255	
96	White Fine	255	Fine byte of White
97	Red	255	
98	Red Fine	255	Fine byte of Red
99	Green	255	
100	Green Fine	255	Fine byte of Green
101	Blue	255	
102	Blue Fine	255	Fine byte of Blue
103	White	255	
104	White Fine	255	Fine byte of White
105	Red	255	
106	Red Fine	255	Fine byte of Red
107	Green	255	
108	Green Fine	255	Fine byte of Green
109	Blue	255	
110	Blue Fine	255	Fine byte of Blue
111	White	255	
112	White Fine	255	Fine byte of White
113	Red	255	
114	Red Fine	255	Fine byte of Red
115	Green	255	
116	Green Fine	255	Fine byte of Green
117	Blue	255	
118	Blue Fine	255	Fine byte of Blue

Dual Control Mode Pixels Advanced 224ch (continued)

Ch	Function	Default	DMX values
119	White	255	
120	White Fine	255	Fine byte of White
121	Red	255	
122	Red Fine	255	Fine byte of Red
123	Green	255	
124	Green Fine	255	Fine byte of Green
125	Blue	255	
126	Blue Fine	255	Fine byte of Blue
127	White	255	
128	White Fine	255	Fine byte of White
129	Red	255	
130	Red Fine	255	Fine byte of Red
131	Green	255	
132	Green Fine	255	Fine byte of Green
133	Blue	255	
134	Blue Fine	255	Fine byte of Blue
135	White	255	
136	White Fine	255	Fine byte of White
137	Red	255	
138	Red Fine	255	Fine byte of Red
139	Green	255	
140	Green Fine	255	Fine byte of Green
141	Blue	255	
142	Blue Fine	255	Fine byte of Blue
143	White	255	
144	White Fine	255	Fine byte of White
145	Red	255	
146	Red Fine	255	Fine byte of Red
147	Green	255	
148	Green Fine	255	Fine byte of Green
149	Blue	255	
150	Blue Fine	255	Fine byte of Blue
151	White	255	
152	White Fine	255	Fine byte of White
153	Red	255	
154	Red Fine	255	Fine byte of Red
155	Green	255	
156	Green Fine	255	Fine byte of Green
157	Blue	255	
158	Blue Fine	255	Fine byte of Blue
159	White	255	
160	White Fine	255	Fine byte of White
161	Red	255	
162	Red Fine	255	Fine byte of Red
163	Green	255	

Dual Control Mode Pixels Advanced 224ch (continued)

Ch	Function	Default	DMX values
164	Green Fine	255	Fine byte of Green
165	Blue	255	
166	Blue Fine	255	Fine byte of Blue
167	White	255	
168	White Fine	255	Fine byte of White
169	Red	255	
170	Red Fine	255	Fine byte of Red
171	Green	255	
172	Green Fine	255	Fine byte of Green
173	Blue	255	
174	Blue Fine	255	Fine byte of Blue
175	White	255	
176	White Fine	255	Fine byte of White
177	Red	255	
178	Red Fine	255	Fine byte of Red
179	Green	255	
180	Green Fine	255	Fine byte of Green
181	Blue	255	
182	Blue Fine	255	Fine byte of Blue
183	White	255	
184	White Fine	255	Fine byte of White
185	Red	255	
186	Red Fine	255	Fine byte of Red
187	Green	255	
188	Green Fine	255	Fine byte of Green
189	Blue	255	
190	Blue Fine	255	Fine byte of Blue
191	White	255	
192	White Fine	255	Fine byte of White
193	Red	255	
194	Red Fine	255	Fine byte of Red
195	Green	255	
196	Green Fine	255	Fine byte of Green
197	Blue	255	
198	Blue Fine	255	Fine byte of Blue
199	White	255	
200	White Fine	255	Fine byte of White
201	Red	255	
202	Red Fine	255	Fine byte of Red
203	Green	255	
204	Green Fine	255	Fine byte of Green
205	Blue	255	
206	Blue Fine	255	Fine byte of Blue
207	White	255	
208	White Fine	255	Fine byte of White

Dual Control Mode Pixels Advanced 224ch (continued)

Ch	Function	Default	DMX values
209	Red	255	
210	Red Fine	255	Fine byte of Red
211	Green	255	
212	Green Fine	255	Fine byte of Green
213	Blue	255	
214	Blue Fine	255	Fine byte of Blue
215	White	255	
216	White Fine	255	Fine byte of White
217	Red	255	
218	Red Fine	255	Fine byte of Red
219	Green	255	
220	Green Fine	255	Fine byte of Green
221	Blue	255	
222	Blue Fine	255	Fine byte of Blue
223	White	255	
224	White Fine	255	Fine byte of White

Single Control: Advanced 263ch

263 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	
6	C TC	0	
7	C TC	0	
8	Color Macro1	0	
9	Color Macro1	0	
10	Effect	0	0–0 Open 1–255 Gobo Indexing
11	Effect	0	0–0 Open 1–255 Gobo Indexing

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
12	Effect 2	0	0–5 Open 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
13	Effect Speed 2	128	
14	Effects2Adjust1	0	

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
15	Effect 2	0	0–15 Open 16–20 LED Built-In 1 - Macro 21–25 LED Built-In 2 - Macro 26–30 LED Built-In 3 - Macro 31–35 LED Built-In 4 - Macro 36–40 LED Built-In 5 - Macro 41–45 LED Built-In 6 - Macro 46–50 LED Built-In 7 - Macro 51–55 LED Built-In 8 - Macro 56–60 LED Built-In 9 - Macro 61–65 LED Built-In 10 - Macro 66–70 LED Built-In 11 - Macro 71–75 LED Built-In 12 - Macro 76–80 LED Built-In 13 - Macro 81–85 LED Built-In 14 - Macro 86–90 LED Built-In 15 - Macro 91–95 LED Built-In 16 - Macro 96–100 LED Built-In 17 - Macro 101–104 LED Built-In 18 - Macro 105–110 LED Built-In 19 - Macro 111–115 LED Built-In 20 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
16	Effect Speed 2	128	
17	Effects2Adjust1	0	
18	Color Macro2	0	
19	Background Dimmer	0	
20	Background Dimmer Fine	0	Fine byte of Background Dimmer
21	Color Macro2	0	
22	Background Dimmer	0	
23	Background Dimmer Fine	0	Fine byte of Background Dimmer
24	Dimmer	0	
25	Dimmer Fine	0	Fine byte of Dimmer
26	Dimmer	0	
27	Dimmer Fine	0	Fine byte of Dimmer

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
28	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
29	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
30	Zoom	127	
31	Control1	0	
32	R Overwrite	0	
33	R Overwrite Fine	0	Fine byte of R Overwrite
34	G Overwrite	0	
35	G Overwrite Fine	0	Fine byte of G Overwrite
36	B Overwrite	0	
37	B Overwrite Fine	0	Fine byte of B Overwrite
38	W Overwrite	0	
39	W Overwrite Fine	0	Fine byte of W Overwrite
40	Red	255	
41	Red Fine	255	Fine byte of Red
42	Green	255	
43	Green Fine	255	Fine byte of Green
44	Blue	255	

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
45	Blue Fine	255	Fine byte of Blue
46	Red	255	
47	Red Fine	255	Fine byte of Red
48	Green	255	
49	Green Fine	255	Fine byte of Green
50	Blue	255	
51	Blue Fine	255	Fine byte of Blue
52	Red	255	
53	Red Fine	255	Fine byte of Red
54	Green	255	
55	Green Fine	255	Fine byte of Green
56	Blue	255	
57	Blue Fine	255	Fine byte of Blue
58	Red	255	
59	Red Fine	255	Fine byte of Red
60	Green	255	
61	Green Fine	255	Fine byte of Green
62	Blue	255	
63	Blue Fine	255	Fine byte of Blue
64	Red	255	
65	Red Fine	255	Fine byte of Red
66	Green	255	
67	Green Fine	255	Fine byte of Green
68	Blue	255	
69	Blue Fine	255	Fine byte of Blue
70	Red	255	
71	Red Fine	255	Fine byte of Red
72	Green	255	
73	Green Fine	255	Fine byte of Green
74	Blue	255	
75	Blue Fine	255	Fine byte of Blue
76	Red	255	
77	Red Fine	255	Fine byte of Red
78	Green	255	
79	Green Fine	255	Fine byte of Green
80	Blue	255	
81	Blue Fine	255	Fine byte of Blue
82	Red	255	
83	Red Fine	255	Fine byte of Red
84	Green	255	
85	Green Fine	255	Fine byte of Green
86	Blue	255	
87	Blue Fine	255	Fine byte of Blue
88	Red	255	
89	Red Fine	255	Fine byte of Red

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
90	Green	255	
91	Green Fine	255	Fine byte of Green
92	Blue	255	
93	Blue Fine	255	Fine byte of Blue
94	Red	255	
95	Red Fine	255	Fine byte of Red
96	Green	255	
97	Green Fine	255	Fine byte of Green
98	Blue	255	
99	Blue Fine	255	Fine byte of Blue
100	Red	255	
101	Red Fine	255	Fine byte of Red
102	Green	255	
103	Green Fine	255	Fine byte of Green
104	Blue	255	
105	Blue Fine	255	Fine byte of Blue
106	Red	255	
107	Red Fine	255	Fine byte of Red
108	Green	255	
109	Green Fine	255	Fine byte of Green
110	Blue	255	
111	Blue Fine	255	Fine byte of Blue
112	Red	255	
113	Red Fine	255	Fine byte of Red
114	Green	255	
115	Green Fine	255	Fine byte of Green
116	Blue	255	
117	Blue Fine	255	Fine byte of Blue
118	White	255	
119	White Fine	255	Fine byte of White
120	Red	255	
121	Red Fine	255	Fine byte of Red
122	Green	255	
123	Green Fine	255	Fine byte of Green
124	Blue	255	
125	Blue Fine	255	Fine byte of Blue
126	White	255	
127	White Fine	255	Fine byte of White
128	Red	255	
129	Red Fine	255	Fine byte of Red
130	Green	255	
131	Green Fine	255	Fine byte of Green
132	Blue	255	
133	Blue Fine	255	Fine byte of Blue
134	White	255	

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
135	White Fine	255	Fine byte of White
136	Red	255	
137	Red Fine	255	Fine byte of Red
138	Green	255	
139	Green Fine	255	Fine byte of Green
140	Blue	255	
141	Blue Fine	255	Fine byte of Blue
142	White	255	
143	White Fine	255	Fine byte of White
144	Red	255	
145	Red Fine	255	Fine byte of Red
146	Green	255	
147	Green Fine	255	Fine byte of Green
148	Blue	255	
149	Blue Fine	255	Fine byte of Blue
150	White	255	
151	White Fine	255	Fine byte of White
152	Red	255	
153	Red Fine	255	Fine byte of Red
154	Green	255	
155	Green Fine	255	Fine byte of Green
156	Blue	255	
157	Blue Fine	255	Fine byte of Blue
158	White	255	
159	White Fine	255	Fine byte of White
160	Red	255	
161	Red Fine	255	Fine byte of Red
162	Green	255	
163	Green Fine	255	Fine byte of Green
164	Blue	255	
165	Blue Fine	255	Fine byte of Blue
166	White	255	
167	White Fine	255	Fine byte of White
168	Red	255	
169	Red Fine	255	Fine byte of Red
170	Green	255	
171	Green Fine	255	Fine byte of Green
172	Blue	255	
173	Blue Fine	255	Fine byte of Blue
174	White	255	
175	White Fine	255	Fine byte of White
176	Red	255	
177	Red Fine	255	Fine byte of Red
178	Green	255	
179	Green Fine	255	Fine byte of Green

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
180	Blue	255	
181	Blue Fine	255	Fine byte of Blue
182	White	255	
183	White Fine	255	Fine byte of White
184	Red	255	
185	Red Fine	255	Fine byte of Red
186	Green	255	
187	Green Fine	255	Fine byte of Green
188	Blue	255	
189	Blue Fine	255	Fine byte of Blue
190	White	255	
191	White Fine	255	Fine byte of White
192	Red	255	
193	Red Fine	255	Fine byte of Red
194	Green	255	
195	Green Fine	255	Fine byte of Green
196	Blue	255	
197	Blue Fine	255	Fine byte of Blue
198	White	255	
199	White Fine	255	Fine byte of White
200	Red	255	
201	Red Fine	255	Fine byte of Red
202	Green	255	
203	Green Fine	255	Fine byte of Green
204	Blue	255	
205	Blue Fine	255	Fine byte of Blue
206	White	255	
207	White Fine	255	Fine byte of White
208	Red	255	
209	Red Fine	255	Fine byte of Red
210	Green	255	
211	Green Fine	255	Fine byte of Green
212	Blue	255	
213	Blue Fine	255	Fine byte of Blue
214	White	255	
215	White Fine	255	Fine byte of White
216	Red	255	
217	Red Fine	255	Fine byte of Red
218	Green	255	
219	Green Fine	255	Fine byte of Green
220	Blue	255	
221	Blue Fine	255	Fine byte of Blue
222	White	255	
223	White Fine	255	Fine byte of White
224	Red	255	

Single Control: Advanced 263ch (continued)

Ch	Function	Default	DMX values
225	Red Fine	255	Fine byte of Red
226	Green	255	
227	Green Fine	255	Fine byte of Green
228	Blue	255	
229	Blue Fine	255	Fine byte of Blue
230	White	255	
231	White Fine	255	Fine byte of White
232	Red	255	
233	Red Fine	255	Fine byte of Red
234	Green	255	
235	Green Fine	255	Fine byte of Green
236	Blue	255	
237	Blue Fine	255	Fine byte of Blue
238	White	255	
239	White Fine	255	Fine byte of White
240	Red	255	
241	Red Fine	255	Fine byte of Red
242	Green	255	
243	Green Fine	255	Fine byte of Green
244	Blue	255	
245	Blue Fine	255	Fine byte of Blue
246	White	255	
247	White Fine	255	Fine byte of White
248	Red	255	
249	Red Fine	255	Fine byte of Red
250	Green	255	
251	Green Fine	255	Fine byte of Green
252	Blue	255	
253	Blue Fine	255	Fine byte of Blue
254	White	255	
255	White Fine	255	Fine byte of White
256	Red	255	
257	Red Fine	255	Fine byte of Red
258	Green	255	
259	Green Fine	255	Fine byte of Green
260	Blue	255	
261	Blue Fine	255	Fine byte of Blue
262	White	255	
263	White Fine	255	Fine byte of White

Single Control: Tour 325ch

325 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	
6	C TC	0	
7	C TC	0	
8	Color Macro1	0	
9	Color Macro1	0	
10	Effect	0	0–0 Open 1–255 Gobo Indexing
11	Effect	0	0–0 Open 1–255 Gobo Indexing
12	Effect 2	0	0–5 Open 6–10 LED Built-In 1 - Macro 11–15 LED Built-In 2 - Macro 16–20 LED Built-In 3 - Macro 21–25 LED Built-In 4 - Macro 26–30 LED Built-In 5 - Macro 31–35 LED Built-In 6 - Macro 36–40 LED Built-In 7 - Macro 41–45 LED Built-In 8 - Macro 46–50 LED Built-In 9 - Macro 51–55 LED Built-In 10 - Macro 56–60 LED Built-In 11 - Macro 61–65 LED Built-In 12 - Macro 66–70 LED Built-In 13 - Macro 71–75 LED Built-In 14 - Macro 76–80 LED Built-In 15 - Macro 81–85 LED Built-In 16 - Macro 86–90 LED Built-In 17 - Macro 91–95 LED Built-In 18 - Macro 96–100 LED Built-In 19 - Macro 101–104 LED Built-In 20 - Macro 105–110 LED Built-In 21 - Macro 111–115 LED Built-In 22 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
13	Effect Speed 2	128	
14	Effects2Adjust1	0	

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
15	Effect 2	0	0–15 Open 16–20 LED Built-In 1 - Macro 21–25 LED Built-In 2 - Macro 26–30 LED Built-In 3 - Macro 31–35 LED Built-In 4 - Macro 36–40 LED Built-In 5 - Macro 41–45 LED Built-In 6 - Macro 46–50 LED Built-In 7 - Macro 51–55 LED Built-In 8 - Macro 56–60 LED Built-In 9 - Macro 61–65 LED Built-In 10 - Macro 66–70 LED Built-In 11 - Macro 71–75 LED Built-In 12 - Macro 76–80 LED Built-In 13 - Macro 81–85 LED Built-In 14 - Macro 86–90 LED Built-In 15 - Macro 91–95 LED Built-In 16 - Macro 96–100 LED Built-In 17 - Macro 101–104 LED Built-In 18 - Macro 105–110 LED Built-In 19 - Macro 111–115 LED Built-In 20 - Macro 116–120 LED Built-In 23 - Macro 121–125 LED Built-In 24 - Macro 126–130 LED Built-In 25 - Macro 131–135 LED Built-In 26 - Macro 136–140 LED Built-In 27 - Macro 141–145 LED Built-In 28 - Macro 146–150 LED Built-In 29 - Macro 151–155 LED Built-In 30 - Macro 156–160 LED Built-In 31 - Macro 161–165 LED Built-In 32 - Macro 166–170 LED Built-In 33 - Macro 171–175 LED Built-In 34 - Macro 176–180 LED Built-In 35 - Macro 181–185 LED Built-In 36 - Macro 186–190 LED Built-In 37 - Macro 191–195 LED Built-In 38 - Macro 196–200 LED Built-In 39 - Macro 201–205 LED Built-In 40 - Macro 206–210 LED Built-In 41 - Macro 211–215 LED Built-In 42 - Macro 216–255 No Function
16	Effect Speed 2	128	
17	Effects2Adjust1	0	
18	Color Macro2	0	
19	Background Dimmer	0	
20	Background Dimmer Fine	0	Fine byte of Background Dimmer
21	Color Macro2	0	
22	Background Dimmer	0	
23	Background Dimmer Fine	0	Fine byte of Background Dimmer
24	Dimmer	0	
25	Dimmer Fine	0	Fine byte of Dimmer
26	Dimmer	0	
27	Dimmer Fine	0	Fine byte of Dimmer

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
28	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
29	Shutter / Strobe	22	0–19 Shutter Closed 20–24 Shutter Open 25–25 STROBE · Fast 20 Hz 26–63 STROBE · Fast > Slow 19.5–0.61 Hz 64–64 STROBE · Slow 0.1 Hz 65–69 Shutter Open 70–70 STROBE 100-0% · Fast 20 Hz 71–83 STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 84–84 STROBE 100-0% · Slow 0.1 Hz 85–89 Shutter Open 90–90 STROBE 0-100% · Fast 20 Hz 91–103 STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 104–104 STROBE 0-100% · Slow 0.1 Hz 105–109 Shutter Open 110–110 RANDOM STROBE · Fast 20 Hz 111–123 RANDOM STROBE · Fast > Slow 18.6–1.52 Hz 124–124 RANDOM STROBE · Slow 0.1 Hz 125–129 Shutter Open 130–130 RANDOM STROBE 100-0% · Fast 20 Hz 131–143 RANDOM STROBE 100-0% · Fast > Slow 18.6–1.52 Hz 144–144 RANDOM STROBE 100-0% · Slow 0.1 Hz 145–149 Shutter Open 150–150 RANDOM STROBE 0-100% · Fast 20 Hz 151–163 RANDOM STROBE 0-100% · Fast > Slow 18.6–1.52 Hz 164–164 RANDOM STROBE 0-100% · Slow 0.1 Hz 165–169 Shutter Open 170–170 PULSE STROBE · Fast 20 Hz 171–183 PULSE STROBE · Fast > Slow 18.6–1.52 Hz 184–184 PULSE STROBE · Slow 0.1 Hz 185–189 Shutter Open 190–190 RANDOM PULSE STROBE · Fast 20 Hz 191–203 RANDOM PULSE STROBE · Fast > Slow 18.6–1.52 Hz 204–204 RANDOM PULSE STROBE · Slow 0.1 Hz 205–209 Shutter Open 210–210 STROBE 0-100-0% · Fast 20 Hz 211–223 STROBE 0-100-0% · Fast > Slow 18.6–1.52 Hz 224–224 STROBE 0-100-0% · Slow 0.1 Hz 225–229 Shutter Open 230–230 RANDOM PULSE STROBE 1 · Fast 20 Hz 231–243 RANDOM PULSE STROBE 1 · Fast > Slow 18.6–1.52 … 244–244 RANDOM PULSE STROBE 1 · Slow 0.1 Hz 245–255 Shutter Open
30	Zoom	127	
31	Control1	0	
32	R Overwrite	0	
33	R Overwrite Fine	0	Fine byte of R Overwrite
34	G Overwrite	0	
35	G Overwrite Fine	0	Fine byte of G Overwrite
36	B Overwrite	0	
37	B Overwrite Fine	0	Fine byte of B Overwrite
38	W Overwrite	0	
39	W Overwrite Fine	0	Fine byte of W Overwrite
40	Dimmer	255	
41	Dimmer Fine	255	Fine byte of Dimmer
42	Red	255	
43	Red Fine	255	Fine byte of Red
44	Green	255	

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
45	Green Fine	255	Fine byte of Green
46	Blue	255	
47	Blue Fine	255	Fine byte of Blue
48	Dimmer	255	
49	Dimmer Fine	255	Fine byte of Dimmer
50	Red	255	
51	Red Fine	255	Fine byte of Red
52	Green	255	
53	Green Fine	255	Fine byte of Green
54	Blue	255	
55	Blue Fine	255	Fine byte of Blue
56	Dimmer	255	
57	Dimmer Fine	255	Fine byte of Dimmer
58	Red	255	
59	Red Fine	255	Fine byte of Red
60	Green	255	
61	Green Fine	255	Fine byte of Green
62	Blue	255	
63	Blue Fine	255	Fine byte of Blue
64	Dimmer	255	
65	Dimmer Fine	255	Fine byte of Dimmer
66	Red	255	
67	Red Fine	255	Fine byte of Red
68	Green	255	
69	Green Fine	255	Fine byte of Green
70	Blue	255	
71	Blue Fine	255	Fine byte of Blue
72	Dimmer	255	
73	Dimmer Fine	255	Fine byte of Dimmer
74	Red	255	
75	Red Fine	255	Fine byte of Red
76	Green	255	
77	Green Fine	255	Fine byte of Green
78	Blue	255	
79	Blue Fine	255	Fine byte of Blue
80	Dimmer	255	
81	Dimmer Fine	255	Fine byte of Dimmer
82	Red	255	
83	Red Fine	255	Fine byte of Red
84	Green	255	
85	Green Fine	255	Fine byte of Green
86	Blue	255	
87	Blue Fine	255	Fine byte of Blue
88	Dimmer	255	
89	Dimmer Fine	255	Fine byte of Dimmer

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
90	Red	255	
91	Red Fine	255	Fine byte of Red
92	Green	255	
93	Green Fine	255	Fine byte of Green
94	Blue	255	
95	Blue Fine	255	Fine byte of Blue
96	Dimmer	255	
97	Dimmer Fine	255	Fine byte of Dimmer
98	Red	255	
99	Red Fine	255	Fine byte of Red
100	Green	255	
101	Green Fine	255	Fine byte of Green
102	Blue	255	
103	Blue Fine	255	Fine byte of Blue
104	Dimmer	255	
105	Dimmer Fine	255	Fine byte of Dimmer
106	Red	255	
107	Red Fine	255	Fine byte of Red
108	Green	255	
109	Green Fine	255	Fine byte of Green
110	Blue	255	
111	Blue Fine	255	Fine byte of Blue
112	Dimmer	255	
113	Dimmer Fine	255	Fine byte of Dimmer
114	Red	255	
115	Red Fine	255	Fine byte of Red
116	Green	255	
117	Green Fine	255	Fine byte of Green
118	Blue	255	
119	Blue Fine	255	Fine byte of Blue
120	Dimmer	255	
121	Dimmer Fine	255	Fine byte of Dimmer
122	Red	255	
123	Red Fine	255	Fine byte of Red
124	Green	255	
125	Green Fine	255	Fine byte of Green
126	Blue	255	
127	Blue Fine	255	Fine byte of Blue
128	Dimmer	255	
129	Dimmer Fine	255	Fine byte of Dimmer
130	Red	255	
131	Red Fine	255	Fine byte of Red
132	Green	255	
133	Green Fine	255	Fine byte of Green
134	Blue	255	

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
135	Blue Fine	255	Fine byte of Blue
136	Dimmer	255	
137	Dimmer Fine	255	Fine byte of Dimmer
138	Red	255	
139	Red Fine	255	Fine byte of Red
140	Green	255	
141	Green Fine	255	Fine byte of Green
142	Blue	255	
143	Blue Fine	255	Fine byte of Blue
144	White	255	
145	White Fine	255	Fine byte of White
146	Dimmer	255	
147	Dimmer Fine	255	Fine byte of Dimmer
148	Red	255	
149	Red Fine	255	Fine byte of Red
150	Green	255	
151	Green Fine	255	Fine byte of Green
152	Blue	255	
153	Blue Fine	255	Fine byte of Blue
154	White	255	
155	White Fine	255	Fine byte of White
156	Dimmer	255	
157	Dimmer Fine	255	Fine byte of Dimmer
158	Red	255	
159	Red Fine	255	Fine byte of Red
160	Green	255	
161	Green Fine	255	Fine byte of Green
162	Blue	255	
163	Blue Fine	255	Fine byte of Blue
164	White	255	
165	White Fine	255	Fine byte of White
166	Dimmer	255	
167	Dimmer Fine	255	Fine byte of Dimmer
168	Red	255	
169	Red Fine	255	Fine byte of Red
170	Green	255	
171	Green Fine	255	Fine byte of Green
172	Blue	255	
173	Blue Fine	255	Fine byte of Blue
174	White	255	
175	White Fine	255	Fine byte of White
176	Dimmer	255	
177	Dimmer Fine	255	Fine byte of Dimmer
178	Red	255	
179	Red Fine	255	Fine byte of Red

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
180	Green	255	
181	Green Fine	255	Fine byte of Green
182	Blue	255	
183	Blue Fine	255	Fine byte of Blue
184	White	255	
185	White Fine	255	Fine byte of White
186	Dimmer	255	
187	Dimmer Fine	255	Fine byte of Dimmer
188	Red	255	
189	Red Fine	255	Fine byte of Red
190	Green	255	
191	Green Fine	255	Fine byte of Green
192	Blue	255	
193	Blue Fine	255	Fine byte of Blue
194	White	255	
195	White Fine	255	Fine byte of White
196	Dimmer	255	
197	Dimmer Fine	255	Fine byte of Dimmer
198	Red	255	
199	Red Fine	255	Fine byte of Red
200	Green	255	
201	Green Fine	255	Fine byte of Green
202	Blue	255	
203	Blue Fine	255	Fine byte of Blue
204	White	255	
205	White Fine	255	Fine byte of White
206	Dimmer	255	
207	Dimmer Fine	255	Fine byte of Dimmer
208	Red	255	
209	Red Fine	255	Fine byte of Red
210	Green	255	
211	Green Fine	255	Fine byte of Green
212	Blue	255	
213	Blue Fine	255	Fine byte of Blue
214	White	255	
215	White Fine	255	Fine byte of White
216	Dimmer	255	
217	Dimmer Fine	255	Fine byte of Dimmer
218	Red	255	
219	Red Fine	255	Fine byte of Red
220	Green	255	
221	Green Fine	255	Fine byte of Green
222	Blue	255	
223	Blue Fine	255	Fine byte of Blue
224	White	255	

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
225	White Fine	255	Fine byte of White
226	Dimmer	255	
227	Dimmer Fine	255	Fine byte of Dimmer
228	Red	255	
229	Red Fine	255	Fine byte of Red
230	Green	255	
231	Green Fine	255	Fine byte of Green
232	Blue	255	
233	Blue Fine	255	Fine byte of Blue
234	White	255	
235	White Fine	255	Fine byte of White
236	Dimmer	255	
237	Dimmer Fine	255	Fine byte of Dimmer
238	Red	255	
239	Red Fine	255	Fine byte of Red
240	Green	255	
241	Green Fine	255	Fine byte of Green
242	Blue	255	
243	Blue Fine	255	Fine byte of Blue
244	White	255	
245	White Fine	255	Fine byte of White
246	Dimmer	255	
247	Dimmer Fine	255	Fine byte of Dimmer
248	Red	255	
249	Red Fine	255	Fine byte of Red
250	Green	255	
251	Green Fine	255	Fine byte of Green
252	Blue	255	
253	Blue Fine	255	Fine byte of Blue
254	White	255	
255	White Fine	255	Fine byte of White
256	Dimmer	255	
257	Dimmer Fine	255	Fine byte of Dimmer
258	Red	255	
259	Red Fine	255	Fine byte of Red
260	Green	255	
261	Green Fine	255	Fine byte of Green
262	Blue	255	
263	Blue Fine	255	Fine byte of Blue
264	White	255	
265	White Fine	255	Fine byte of White
266	Dimmer	255	
267	Dimmer Fine	255	Fine byte of Dimmer
268	Red	255	
269	Red Fine	255	Fine byte of Red

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
270	Green	255	
271	Green Fine	255	Fine byte of Green
272	Blue	255	
273	Blue Fine	255	Fine byte of Blue
274	White	255	
275	White Fine	255	Fine byte of White
276	Dimmer	255	
277	Dimmer Fine	255	Fine byte of Dimmer
278	Red	255	
279	Red Fine	255	Fine byte of Red
280	Green	255	
281	Green Fine	255	Fine byte of Green
282	Blue	255	
283	Blue Fine	255	Fine byte of Blue
284	White	255	
285	White Fine	255	Fine byte of White
286	Dimmer	255	
287	Dimmer Fine	255	Fine byte of Dimmer
288	Red	255	
289	Red Fine	255	Fine byte of Red
290	Green	255	
291	Green Fine	255	Fine byte of Green
292	Blue	255	
293	Blue Fine	255	Fine byte of Blue
294	White	255	
295	White Fine	255	Fine byte of White
296	Dimmer	255	
297	Dimmer Fine	255	Fine byte of Dimmer
298	Red	255	
299	Red Fine	255	Fine byte of Red
300	Green	255	
301	Green Fine	255	Fine byte of Green
302	Blue	255	
303	Blue Fine	255	Fine byte of Blue
304	White	255	
305	White Fine	255	Fine byte of White
306	Dimmer	255	
307	Dimmer Fine	255	Fine byte of Dimmer
308	Red	255	
309	Red Fine	255	Fine byte of Red
310	Green	255	
311	Green Fine	255	Fine byte of Green
312	Blue	255	
313	Blue Fine	255	Fine byte of Blue
314	White	255	

Single Control: Tour 325ch (continued)

Ch	Function	Default	DMX values
315	White Fine	255	Fine byte of White
316	Dimmer	255	
317	Dimmer Fine	255	Fine byte of Dimmer
318	Red	255	
319	Red Fine	255	Fine byte of Red
320	Green	255	
321	Green Fine	255	Fine byte of Green
322	Blue	255	
323	Blue Fine	255	Fine byte of Blue
324	White	255	
325	White Fine	255	Fine byte of White