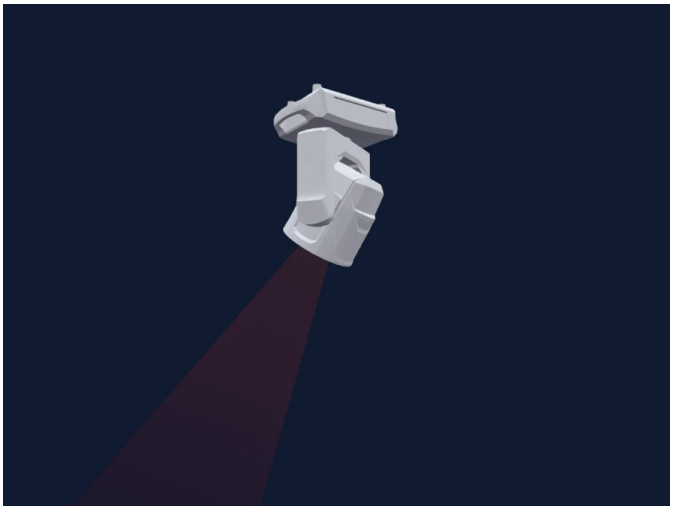
Starway

MODENA WET



Manufacturer	**Starway**
Type	**Moving head**
DMX modes	**8**
DMX footprint	**17, 21, 23, 25, 27 channels**
Beam angle	**5-50°**
Pan range	**540°**
Tilt range	**270°**
Heads / cells	**2**
Size (W × H × D)	**230 × 250 × 230 mm**
GDTF fixture type	**6D650C77-8BE3-448C-9595-FC…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

Basic 8b Mode 17CH	17 ch
Starway Pixel 16b Mode 73CH	17 ch
Starway Pixel 8b Mode 45CH	17 ch
Basic 16b Mode 21CH	21 ch
Standard 8b Mode 21CH	21 ch
Extended 8b Mode 23CH	23 ch
Standard16b Mode 25CH	25 ch
Extended 16b Mode 27CH	27 ch

Basic 8b Mode 17CH

17 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position Effect Rate	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 Empty Channel Set
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter / Strobe	19	0–9 shutter closed 10–19 shutter open 20–67 Strobe effect Slow 68–68 Strobe effect Fast 69–79 shutter open 80–127 StrobePulse Slow 128–128 StrobePulse Fast 129–139 shutter open 140–187 StrobeRandom Slow 188–188 StrobeRandom Fast 189–199 shutter open 200–247 StrobeRandom Pixel Slow 248–248 StrobeRandom Pixel Fast 249–255 shutter open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Color Macro1	0	0–0 Full power RVBW 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–12 Tungsten emulation 3200k 13–14 Tungsten emulation 4000k 15–16 Tungsten emulation 4500k 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
14	Color Macro1Rate	0	0–254 Fade Speed from fast 255–255 Fade Speed from slow
15	Zoom	128	
16	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre

Basic 8b Mode 17CH (continued)

Ch	Function	Default	DMX values
17	Control1	0	0–4 No function 5–9 Invert Pan on (Hold 3s) 10–14 Invert Pan off (Hold 3s) 15–19 Invert Tilt on (Hold 3s) 20–24 Invert Tilt off (Hold 3s) 25–29 Fan Quiet (Hold 3s) 30–34 Fan Auto (Hold 3s) 35–39 Fan High (Hold 3s) 40–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s 114–125 S - Dimmer Curve (hold 3s) 126–131 Led Freq 900 Hz (hold 3s) 132–137 Led Freq 1000 Hz (hold 3s) 138–143 Led Freq 1100 Hz (hold 3s) 144–149 Led Freq 1200 Hz (hold 3s) 150–155 Led Freq 1300 Hz (hold 3s) 156–161 Led Freq 1400 Hz (hold 3s) 162–167 Led Freq 1500 Hz (hold 3s) 168–173 Led Freq 2500 Hz (hold 3s) 174–179 Led Freq 4000 Hz (hold 3s) 180–185 Led Freq 5000 Hz (hold 3s) 186–191 Led Freq 10000 Hz (hold 3s) 192–197 Led Freq 15000 Hz (hold 3s) 198–203 Led Freq 20000 Hz (hold 3s) 204–209 Led Freq 25000 Hz (hold 3s) 210–215 Reset Pan/Tilt (Hold 3s) 216–218 Reset only Head (Hold 3s) 219–221 Reset All Functions (Hold 3s) 222–224 No Used 225–234 Klingnet Disable 235–237 Leds controled Klingnet only 238–240 Leds controled Klingnet + Dmx 241–243 Klingnet Calibration OFF 244–249 Klingnet Calibration ON 250–255 No Used

Starway Pixel 16b Mode 73CH

17 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	White	255	
8	White Fine	255	Fine byte of White
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	

Starway Pixel 16b Mode 73CH (continued)

Ch	Function	Default	DMX values
13	Color Macro1	0	0–0 Full power RVBW 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–12 Tungsten emulation 3200k 13–14 Tungsten emulation 4000k 15–16 Tungsten emulation 4500k 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
14	Color Macro1Rate	0	0–254 Fade Speed from fast 255–255 Fade Speed from slow
15	Zoom	128	
16	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre

Starway Pixel 16b Mode 73CH (continued)

Ch	Function	Default	DMX values
17	Control1	0	0–5 No function 6–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 3s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 3s) 54–69 Fan Quiet power regulated(Hold 3s 70–75 Fan Quiet power Live (Hold 3s) 76–81 Fan Auto (Hold 3s) 82–89 Fan High (Hold 3s) 90–101 Linear Dimmer Curve (hold 3s) 102–113 Square Dimmer Curve (hold 3s) 114–125 Log Dimmer Curve 126–131 S - Dimmer Curve (hold 3s) 132–137 Led Freq 900 Hz (hold 3s) 138–143 Led Freq 1000 Hz (hold 3s) 144–149 Led Freq 1100 Hz (hold 3s) 150–155 Led Freq 1200 Hz (hold 3s) 156–161 Led Freq 1300 Hz (hold 3s) 162–167 Led Freq 1400 Hz (hold 3s) 168–173 Led Freq 1500 Hz (hold 3s) 174–179 Led Freq 2500 Hz (hold 3s) 180–185 Led Freq 4000 Hz (hold 3s) 186–191 Led Freq 5000 Hz (hold 3s) 192–197 Led Freq 10000 Hz (hold 3s) 198–203 Led Freq 15000 Hz (hold 3s) 204–209 Led Freq 20000 Hz (hold 3s) 210–215 Led Freq 25000 Hz (hold 3s) 216–218 Reset Pan/Tilt (Hold 3s) 219–221 Reset only Head (Hold 3s) 222–224 Reset All Functions (Hold 3s) 225–234 No Used 235–237 Klingnet Disable 238–240 Leds controled Klingnet only 241–243 Leds controled Klingnet + Dmx 244–246 Klingnet Calibration OFF 247–249 Klingnet Calibration ON 250–255 No Used

Starway Pixel 8b Mode 45CH

17 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	255	
5	Position Effect Rate	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 Empty Channel Set
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer

Starway Pixel 8b Mode 45CH (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	19	0–9 shutter closed 10–19 shutter open 20–67 Strobe effect Slow 68–68 Strobe effect Fast 69–79 shutter open 80–127 StrobePulse Slow 128–128 StrobePulse Fast 129–139 shutter open 140–187 StrobeRandom Slow 188–188 StrobeRandom Fast 189–199 shutter open 200–247 StrobeRandom Pixel Slow 248–248 StrobeRandom Pixel Fast 249–255 shutter open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Color Macro1	0	0–0 Full power RVBW 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–12 Tungsten emulation 3200k 13–14 Tungsten emulation 4000k 15–16 Tungsten emulation 4500k 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
14	Color Macro1Rate	0	0–254 Fade Speed from fast 255–255 Fade Speed from slow
15	Zoom	128	
16	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre

Starway Pixel 8b Mode 45CH (continued)

Ch	Function	Default	DMX values
17	Control1	0	0–5 No function 6–17 Invert Pan on (Hold 3s) 18–29 Invert Pan off (Hold 3s) 30–41 Invert Tilt on (Hold 3s) 42–53 Invert Tilt off (Hold 3s) 54–69 Fan Quiet power regulated(Hold 3s 70–75 Fan Quiet power Live (Hold 3s) 76–81 Fan Auto (Hold 3s) 82–89 Fan High (Hold 3s) 90–101 Linear Dimmer Curve (hold 3s) 102–113 Square Dimmer Curve (hold 3s) 114–125 Log Dimmer Curve 126–131 S - Dimmer Curve (hold 3s) 132–137 Led Freq 900 Hz (hold 3s) 138–143 Led Freq 1000 Hz (hold 3s) 144–149 Led Freq 1100 Hz (hold 3s) 150–155 Led Freq 1200 Hz (hold 3s) 156–161 Led Freq 1300 Hz (hold 3s) 162–167 Led Freq 1400 Hz (hold 3s) 168–173 Led Freq 1500 Hz (hold 3s) 174–179 Led Freq 2500 Hz (hold 3s) 180–185 Led Freq 4000 Hz (hold 3s) 186–191 Led Freq 5000 Hz (hold 3s) 192–197 Led Freq 10000 Hz (hold 3s) 198–203 Led Freq 15000 Hz (hold 3s) 204–209 Led Freq 20000 Hz (hold 3s) 210–215 Led Freq 25000 Hz (hold 3s) 216–218 Reset Pan/Tilt (Hold 3s) 219–221 Reset only Head (Hold 3s) 222–224 Reset All Functions (Hold 3s) 225–234 No Used 235–237 Klingnet Disable 238–240 Leds controled Klingnet only 241–243 Leds controled Klingnet + Dmx 244–246 Klingnet Calibration OFF 247–249 Klingnet Calibration ON 250–255 No Used

Basic 16b Mode 21CH

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position Effect Rate	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 Empty Channel Set
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer

Basic 16b Mode 21CH (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	19	0–9 shutter closed 10–19 shutter open 20–67 Strobe effect Slow 68–68 Strobe effect Fast 69–79 shutter open 80–127 StrobePulse Slow 128–128 StrobePulse Fast 129–139 shutter open 140–187 StrobeRandom Slow 188–188 StrobeRandom Fast 189–199 shutter open 200–247 StrobeRandom Pixel Slow 248–248 StrobeRandom Pixel Fast 249–255 shutter open
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Color Macro1	0	0–0 Full power RVBW 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–12 Tungsten emulation 3200k 13–14 Tungsten emulation 4000k 15–16 Tungsten emulation 4500k 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
18	Color Macro1Rate	0	0–254 Fade Speed from fast 255–255 Fade Speed from slow
19	Zoom	128	
20	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre

Basic 16b Mode 21CH (continued)

Ch	Function	Default	DMX values
21	Control1	0	0–4 No function 5–9 Invert Pan on (Hold 3s) 10–14 Invert Pan off (Hold 3s) 15–19 Invert Tilt on (Hold 3s) 20–24 Invert Tilt off (Hold 3s) 25–29 Fan Quiet (Hold 3s) 30–34 Fan Auto (Hold 3s) 35–39 Fan High (Hold 3s) 40–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s 114–125 S - Dimmer Curve (hold 3s) 126–131 Led Freq 900 Hz (hold 3s) 132–137 Led Freq 1000 Hz (hold 3s) 138–143 Led Freq 1100 Hz (hold 3s) 144–149 Led Freq 1200 Hz (hold 3s) 150–155 Led Freq 1300 Hz (hold 3s) 156–161 Led Freq 1400 Hz (hold 3s) 162–167 Led Freq 1500 Hz (hold 3s) 168–173 Led Freq 2500 Hz (hold 3s) 174–179 Led Freq 4000 Hz (hold 3s) 180–185 Led Freq 5000 Hz (hold 3s) 186–191 Led Freq 10000 Hz (hold 3s) 192–197 Led Freq 15000 Hz (hold 3s) 198–203 Led Freq 20000 Hz (hold 3s) 204–209 Led Freq 25000 Hz (hold 3s) 210–215 Reset Pan/Tilt (Hold 3s) 216–218 Reset only Head (Hold 3s) 219–221 Reset All Functions (Hold 3s) 222–224 No Used 225–234 Klingnet Disable 235–237 Leds controled Klingnet only 238–240 Leds controled Klingnet + Dmx 241–243 Klingnet Calibration OFF 244–249 Klingnet Calibration ON 250–255 No Used

Standard 8b Mode 21CH

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position Effect Rate	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 Empty Channel Set
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer

Standard 8b Mode 21CH (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	19	0–9 shutter closed 10–19 shutter open 20–67 Strobe effect Slow 68–68 Strobe effect Fast 69–79 shutter open 80–127 StrobePulse Slow 128–128 StrobePulse Fast 129–139 shutter open 140–187 StrobeRandom Slow 188–188 StrobeRandom Fast 189–199 shutter open 200–247 StrobeRandom Pixel Slow 248–248 StrobeRandom Pixel Fast 249–255 shutter open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Color Macro1	0	0–0 Full power RVBW 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–12 Tungsten emulation 3200k 13–14 Tungsten emulation 4000k 15–16 Tungsten emulation 4500k 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
14	Color Macro2	0	0–0 Background Off 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–16 No effect 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
15	Color Macro1Rate	0	0–254 Fade Speed from fast 255–255 Fade Speed from slow

Standard 8b Mode 21CH (continued)

Ch	Function	Default	DMX values
16	Effect	0	0–9 No Program 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No use
17	Effect Speed	0	0–5 Static step 1 6–9 Static step 2 10–14 Static step 3 15–19 Static step 4 20–24 Static step 5 25–29 Static step 6 30–34 Static step 7 35–39 Static step 8 40–145 Chase Forward F > S 146–149 Stop 150–255 Chase Backward S > F
18	Effects1Fade	0	0–0 No Function 1–255 Fade
19	Zoom	128	
20	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre

Standard 8b Mode 21CH (continued)

Ch	Function	Default	DMX values
21	Control1	0	0–4 No function 5–9 Invert Pan on (Hold 3s) 10–14 Invert Pan off (Hold 3s) 15–19 Invert Tilt on (Hold 3s) 20–24 Invert Tilt off (Hold 3s) 25–29 Fan Quiet (Hold 3s) 30–34 Fan Auto (Hold 3s) 35–39 Fan High (Hold 3s) 40–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s 114–125 S - Dimmer Curve (hold 3s) 126–131 Led Freq 900 Hz (hold 3s) 132–137 Led Freq 1000 Hz (hold 3s) 138–143 Led Freq 1100 Hz (hold 3s) 144–149 Led Freq 1200 Hz (hold 3s) 150–155 Led Freq 1300 Hz (hold 3s) 156–161 Led Freq 1400 Hz (hold 3s) 162–167 Led Freq 1500 Hz (hold 3s) 168–173 Led Freq 2500 Hz (hold 3s) 174–179 Led Freq 4000 Hz (hold 3s) 180–185 Led Freq 5000 Hz (hold 3s) 186–191 Led Freq 10000 Hz (hold 3s) 192–197 Led Freq 15000 Hz (hold 3s) 198–203 Led Freq 20000 Hz (hold 3s) 204–209 Led Freq 25000 Hz (hold 3s) 210–215 Reset Pan/Tilt (Hold 3s) 216–218 Reset only Head (Hold 3s) 219–221 Reset All Functions (Hold 3s) 222–224 No Used 225–234 Klingnet Disable 235–237 Leds controled Klingnet only 238–240 Leds controled Klingnet + Dmx 241–243 Klingnet Calibration OFF 244–249 Klingnet Calibration ON 250–255 No Used

Extended 8b Mode 23CH

23 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position Effect Rate	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 Empty Channel Set
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer

Extended 8b Mode 23CH (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	19	0–9 shutter closed 10–19 shutter open 20–67 Strobe effect Slow 68–68 Strobe effect Fast 69–79 shutter open 80–127 StrobePulse Slow 128–128 StrobePulse Fast 129–139 shutter open 140–187 StrobeRandom Slow 188–188 StrobeRandom Fast 189–199 shutter open 200–247 StrobeRandom Pixel Slow 248–248 StrobeRandom Pixel Fast 249–255 shutter open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Dimmer Foreground Color	0	
14	Color Macro1	0	0–0 Full power RVBW 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–12 Tungsten emulation 3200k 13–14 Tungsten emulation 4000k 15–16 Tungsten emulation 4500k 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
15	Dimmer Background Color	0	
16	Color Macro2	0	0–0 Background Off 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–16 No effect 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
17	Color Macro1Rate	0	0–254 Fade Speed from fast 255–255 Fade Speed from slow

Extended 8b Mode 23CH (continued)

Ch	Function	Default	DMX values
18	Effect	0	0–9 No Program 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No use
19	Effect Speed	0	0–5 Static step 1 6–9 Static step 2 10–14 Static step 3 15–19 Static step 4 20–24 Static step 5 25–29 Static step 6 30–34 Static step 7 35–39 Static step 8 40–145 Chase Forward F > S 146–149 Stop 150–255 Chase Backward S > F
20	Effects1Fade	0	0–0 No Function 1–255 Fade
21	Zoom	128	
22	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre

Extended 8b Mode 23CH (continued)

Ch	Function	Default	DMX values
23	Control1	0	0–4 No function 5–9 Invert Pan on (Hold 3s) 10–14 Invert Pan off (Hold 3s) 15–19 Invert Tilt on (Hold 3s) 20–24 Invert Tilt off (Hold 3s) 25–29 Fan Quiet (Hold 3s) 30–34 Fan Auto (Hold 3s) 35–39 Fan High (Hold 3s) 40–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s 114–125 S - Dimmer Curve (hold 3s) 126–131 Led Freq 900 Hz (hold 3s) 132–137 Led Freq 1000 Hz (hold 3s) 138–143 Led Freq 1100 Hz (hold 3s) 144–149 Led Freq 1200 Hz (hold 3s) 150–155 Led Freq 1300 Hz (hold 3s) 156–161 Led Freq 1400 Hz (hold 3s) 162–167 Led Freq 1500 Hz (hold 3s) 168–173 Led Freq 2500 Hz (hold 3s) 174–179 Led Freq 4000 Hz (hold 3s) 180–185 Led Freq 5000 Hz (hold 3s) 186–191 Led Freq 10000 Hz (hold 3s) 192–197 Led Freq 15000 Hz (hold 3s) 198–203 Led Freq 20000 Hz (hold 3s) 204–209 Led Freq 25000 Hz (hold 3s) 210–215 Reset Pan/Tilt (Hold 3s) 216–218 Reset only Head (Hold 3s) 219–221 Reset All Functions (Hold 3s) 222–224 No Used 225–234 Klingnet Disable 235–237 Leds controled Klingnet only 238–240 Leds controled Klingnet + Dmx 241–243 Klingnet Calibration OFF 244–249 Klingnet Calibration ON 250–255 No Used

Standard16b Mode 25CH

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position Effect Rate	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 Empty Channel Set
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer

Standard16b Mode 25CH (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	19	0–9 shutter closed 10–19 shutter open 20–67 Strobe effect Slow 68–68 Strobe effect Fast 69–79 shutter open 80–127 StrobePulse Slow 128–128 StrobePulse Fast 129–139 shutter open 140–187 StrobeRandom Slow 188–188 StrobeRandom Fast 189–199 shutter open 200–247 StrobeRandom Pixel Slow 248–248 StrobeRandom Pixel Fast 249–255 shutter open
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Color Macro1	0	0–0 Full power RVBW 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–12 Tungsten emulation 3200k 13–14 Tungsten emulation 4000k 15–16 Tungsten emulation 4500k 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
18	Color Macro2	0	0–0 Background Off 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–16 No effect 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
19	Color Macro1Rate	0	0–254 Fade Speed from fast 255–255 Fade Speed from slow

Standard16b Mode 25CH (continued)

Ch	Function	Default	DMX values
20	Effect	0	0–9 No Program 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No use
21	Effect Speed	0	0–5 Static step 1 6–9 Static step 2 10–14 Static step 3 15–19 Static step 4 20–24 Static step 5 25–29 Static step 6 30–34 Static step 7 35–39 Static step 8 40–145 Chase Forward F > S 146–149 Stop 150–255 Chase Backward S > F
22	Effects1Fade	0	0–0 No Function 1–255 Fade
23	Zoom	128	
24	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre

Standard16b Mode 25CH (continued)

Ch	Function	Default	DMX values
25	Control1	0	0–4 No function 5–9 Invert Pan on (Hold 3s) 10–14 Invert Pan off (Hold 3s) 15–19 Invert Tilt on (Hold 3s) 20–24 Invert Tilt off (Hold 3s) 25–29 Fan Quiet (Hold 3s) 30–34 Fan Auto (Hold 3s) 35–39 Fan High (Hold 3s) 40–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s 114–125 S - Dimmer Curve (hold 3s) 126–131 Led Freq 900 Hz (hold 3s) 132–137 Led Freq 1000 Hz (hold 3s) 138–143 Led Freq 1100 Hz (hold 3s) 144–149 Led Freq 1200 Hz (hold 3s) 150–155 Led Freq 1300 Hz (hold 3s) 156–161 Led Freq 1400 Hz (hold 3s) 162–167 Led Freq 1500 Hz (hold 3s) 168–173 Led Freq 2500 Hz (hold 3s) 174–179 Led Freq 4000 Hz (hold 3s) 180–185 Led Freq 5000 Hz (hold 3s) 186–191 Led Freq 10000 Hz (hold 3s) 192–197 Led Freq 15000 Hz (hold 3s) 198–203 Led Freq 20000 Hz (hold 3s) 204–209 Led Freq 25000 Hz (hold 3s) 210–215 Reset Pan/Tilt (Hold 3s) 216–218 Reset only Head (Hold 3s) 219–221 Reset All Functions (Hold 3s) 222–224 No Used 225–234 Klingnet Disable 235–237 Leds controled Klingnet only 238–240 Leds controled Klingnet + Dmx 241–243 Klingnet Calibration OFF 244–249 Klingnet Calibration ON 250–255 No Used

Extended 16b Mode 27CH

27 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position Effect Rate	0	0–225 Max to min speed 226–235 Blackout by movement 236–255 Empty Channel Set
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer

Extended 16b Mode 27CH (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	19	0–9 shutter closed 10–19 shutter open 20–67 Strobe effect Slow 68–68 Strobe effect Fast 69–79 shutter open 80–127 StrobePulse Slow 128–128 StrobePulse Fast 129–139 shutter open 140–187 StrobeRandom Slow 188–188 StrobeRandom Fast 189–199 shutter open 200–247 StrobeRandom Pixel Slow 248–248 StrobeRandom Pixel Fast 249–255 shutter open
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Dimmer Foreground Color	0	
18	Color Macro1	0	0–0 Full power RVBW 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–12 Tungsten emulation 3200k 13–14 Tungsten emulation 4000k 15–16 Tungsten emulation 4500k 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
19	Dimmer Background Color	0	
20	Color Macro2	0	0–0 Background Off 1–1 10000K 2–2 8000K 3–3 6500K 4–4 5600K 5–5 5000K 6–6 4500K 7–7 4000K 8–8 3200K 9–9 3000K 10–10 2700K 11–16 No effect 17–250 Virtual color wheel 251–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
21	Color Macro1Rate	0	0–254 Fade Speed from fast 255–255 Fade Speed from slow

Extended 16b Mode 27CH (continued)

Ch	Function	Default	DMX values
22	Effect	0	0–9 No Program 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No use
23	Effect Speed	0	0–5 Static step 1 6–9 Static step 2 10–14 Static step 3 15–19 Static step 4 20–24 Static step 5 25–29 Static step 6 30–34 Static step 7 35–39 Static step 8 40–145 Chase Forward F > S 146–149 Stop 150–255 Chase Backward S > F
24	Effects1Fade	0	0–0 No Function 1–255 Fade
25	Zoom	128	
26	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre

Extended 16b Mode 27CH (continued)

Ch	Function	Default	DMX values
27	Control1	0	0–4 No function 5–9 Invert Pan on (Hold 3s) 10–14 Invert Pan off (Hold 3s) 15–19 Invert Tilt on (Hold 3s) 20–24 Invert Tilt off (Hold 3s) 25–29 Fan Quiet (Hold 3s) 30–34 Fan Auto (Hold 3s) 35–39 Fan High (Hold 3s) 40–89 Linear Dimmer Curve (hold 3s) 90–101 Square Dimmer Curve (hold 3s) 102–113 Inv-Square Dimmer Curve (hold 3s 114–125 S - Dimmer Curve (hold 3s) 126–131 Led Freq 900 Hz (hold 3s) 132–137 Led Freq 1000 Hz (hold 3s) 138–143 Led Freq 1100 Hz (hold 3s) 144–149 Led Freq 1200 Hz (hold 3s) 150–155 Led Freq 1300 Hz (hold 3s) 156–161 Led Freq 1400 Hz (hold 3s) 162–167 Led Freq 1500 Hz (hold 3s) 168–173 Led Freq 2500 Hz (hold 3s) 174–179 Led Freq 4000 Hz (hold 3s) 180–185 Led Freq 5000 Hz (hold 3s) 186–191 Led Freq 10000 Hz (hold 3s) 192–197 Led Freq 15000 Hz (hold 3s) 198–203 Led Freq 20000 Hz (hold 3s) 204–209 Led Freq 25000 Hz (hold 3s) 210–215 Reset Pan/Tilt (Hold 3s) 216–218 Reset only Head (Hold 3s) 219–221 Reset All Functions (Hold 3s) 222–224 No Used 225–234 Klingnet Disable 235–237 Leds controled Klingnet only 238–240 Leds controled Klingnet + Dmx 241–243 Klingnet Calibration OFF 244–249 Klingnet Calibration ON 250–255 No Used