Starway

Daytona



Manufacturer	**Starway**
Type	**Moving head**
DMX modes	**8**
DMX footprint	**11, 17, 21, 23, 25, 27 channels**
Beam angle	**5-50°**
Pan range	**540°**
Tilt range	**270°**
Heads / cells	**2**
Size (W × H × D)	**280 × 220 × 290 mm**
GDTF fixture type	**91DB784A-EABA-4076-A756-E1…**

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

Pixel 16b Mode 163CH	11 ch
Basic 8b Mode 17CH	17 ch
Pixel 8b Mode 93CH	17 ch
Basic 16b Mode 21CH	21 ch
Standard 8b Mode 21CH	21 ch
Extended 8b Mode 23CH	23 ch
Standard 16b Mode 25CH	25 ch
Extended 16b Mode 27CH	27 ch

Pixel 16b Mode 163CH

11 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	Zoom	128	
10	Dimmer Mode	0	0–20 Default unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–255 Theatre
11	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

Basic 8b Mode 17CH

17 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	128	Fine byte of Pan

Basic 8b Mode 17CH (continued)

Ch	Function	Default	DMX values
3	Tilt	0	
4	Tilt Fine	128	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 RGBW MAX 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 17–251 Virtual color wheel 252–253 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

Pixel 8b Mode 93CH

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

Pixel 8b Mode 93CH (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 RGBW MAX 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 17–251 Virtual color wheel 252–253 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

Pixel 8b Mode 93CH (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

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 RGBW MAX 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 17–251 Virtual color wheel 252–253 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	0	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	128	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 RGBW MAX 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 17–251 Virtual color wheel 252–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
14	Color Macro2	0	0–0 RGBW MAX 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 10–17 Program 1 18–25 Program 2 26–33 Program 3 34–41 Program 4 42–49 Program 5 50–57 Program 6 58–65 Program 7 66–73 Program 8 74–81 Program 9 82–89 Program 10 90–97 Program 11 98–105 Program 12 106–113 Program 13 114–121 Program 14 122–129 Program 15 130–137 Program 16 138–145 Program 17 146–153 Program 18 154–161 Program 19 162–169 Program 20 170–177 Program 21 178–185 Program 22 186–193 Program 23 194–201 Program 24 202–209 Program 25 210–217 Program 26 218–225 Program 27 226–233 Program 28 234–241 Program 29 242–249 Program 30 250–255 No use

Standard 8b Mode 21CH (continued)

Ch	Function	Default	DMX values
17	Effect Speed	0	1–1 Static step 1 2–2 Static step 2 3–3 Static step 3 4–4 Static step 4 5–5 Static step 5 6–6 Static step 6 7–7 Static step 7 8–8 Static step 8 9–9 Static step 9 10–10 Static step 10 11–11 Static step 11 12–12 Static step 12 13–13 Static step 13 14–14 Static step 14 15–15 Static step 15 16–16 Static step 16 17–17 Static step 17 18–18 Static step 18 19–19 Static step 19 20–20 Static step 20 21–21 Static step 21 22–22 Static step 22 23–23 Static step 23 24–24 Static step 24 25–25 Static step 25 26–26 Static step 26 27–27 Static step 27 28–28 Static step 28 29–29 Static step 29 30–39 Static step 30 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 Wheel Color Foreground	0	
14	Color Macro1	0	0–0 RGBW MAX 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 17–251 Virtual color wheel 252–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
15	Dimmer Wheel Color Background	0	
16	Color Macro2	0	0–0 RGBW MAX 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 10–17 Program 1 18–25 Program 2 26–33 Program 3 34–41 Program 4 42–49 Program 5 50–57 Program 6 58–65 Program 7 66–73 Program 8 74–81 Program 9 82–89 Program 10 90–97 Program 11 98–105 Program 12 106–113 Program 13 114–121 Program 14 122–129 Program 15 130–137 Program 16 138–145 Program 17 146–153 Program 18 154–161 Program 19 162–169 Program 20 170–177 Program 21 178–185 Program 22 186–193 Program 23 194–201 Program 24 202–209 Program 25 210–217 Program 26 218–225 Program 27 226–233 Program 28 234–241 Program 29 242–249 Program 30 250–255 No use

Extended 8b Mode 23CH (continued)

Ch	Function	Default	DMX values
19	Effect Speed	0	1–1 Static step 1 2–2 Static step 2 3–3 Static step 3 4–4 Static step 4 5–5 Static step 5 6–6 Static step 6 7–7 Static step 7 8–8 Static step 8 9–9 Static step 9 10–10 Static step 10 11–11 Static step 11 12–12 Static step 12 13–13 Static step 13 14–14 Static step 14 15–15 Static step 15 16–16 Static step 16 17–17 Static step 17 18–18 Static step 18 19–19 Static step 19 20–20 Static step 20 21–21 Static step 21 22–22 Static step 22 23–23 Static step 23 24–24 Static step 24 25–25 Static step 25 26–26 Static step 26 27–27 Static step 27 28–28 Static step 28 29–29 Static step 29 30–39 Static step 30 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

Standard 16b 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

Standard 16b 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 RGBW MAX 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 17–251 Virtual color wheel 252–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
18	Color Macro2	0	0–0 RGBW MAX 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

Standard 16b Mode 25CH (continued)

Ch	Function	Default	DMX values
20	Effect	0	0–9 No Program 10–17 Program 1 18–25 Program 2 26–33 Program 3 34–41 Program 4 42–49 Program 5 50–57 Program 6 58–65 Program 7 66–73 Program 8 74–81 Program 9 82–89 Program 10 90–97 Program 11 98–105 Program 12 106–113 Program 13 114–121 Program 14 122–129 Program 15 130–137 Program 16 138–145 Program 17 146–153 Program 18 154–161 Program 19 162–169 Program 20 170–177 Program 21 178–185 Program 22 186–193 Program 23 194–201 Program 24 202–209 Program 25 210–217 Program 26 218–225 Program 27 226–233 Program 28 234–241 Program 29 242–249 Program 30 250–255 No use

Standard 16b Mode 25CH (continued)

Ch	Function	Default	DMX values
21	Effect Speed	0	1–1 Static step 1 2–2 Static step 2 3–3 Static step 3 4–4 Static step 4 5–5 Static step 5 6–6 Static step 6 7–7 Static step 7 8–8 Static step 8 9–9 Static step 9 10–10 Static step 10 11–11 Static step 11 12–12 Static step 12 13–13 Static step 13 14–14 Static step 14 15–15 Static step 15 16–16 Static step 16 17–17 Static step 17 18–18 Static step 18 19–19 Static step 19 20–20 Static step 20 21–21 Static step 21 22–22 Static step 22 23–23 Static step 23 24–24 Static step 24 25–25 Static step 25 26–26 Static step 26 27–27 Static step 27 28–28 Static step 28 29–29 Static step 29 30–39 Static step 30 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

Standard 16b 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 Wheel Color Foreground	0	
18	Color Macro1	0	0–0 RGBW MAX 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 17–251 Virtual color wheel 252–253 Color Wheel rotation between the color level 12 to... 254–255 Color rotation backward
19	Dimmer Wheel Color Background	0	
20	Color Macro2	0	0–0 RGBW MAX 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 10–17 Program 1 18–25 Program 2 26–33 Program 3 34–41 Program 4 42–49 Program 5 50–57 Program 6 58–65 Program 7 66–73 Program 8 74–81 Program 9 82–89 Program 10 90–97 Program 11 98–105 Program 12 106–113 Program 13 114–121 Program 14 122–129 Program 15 130–137 Program 16 138–145 Program 17 146–153 Program 18 154–161 Program 19 162–169 Program 20 170–177 Program 21 178–185 Program 22 186–193 Program 23 194–201 Program 24 202–209 Program 25 210–217 Program 26 218–225 Program 27 226–233 Program 28 234–241 Program 29 242–249 Program 30 250–255 No use

Extended 16b Mode 27CH (continued)

Ch	Function	Default	DMX values
23	Effect Speed	0	1–1 Static step 1 2–2 Static step 2 3–3 Static step 3 4–4 Static step 4 5–5 Static step 5 6–6 Static step 6 7–7 Static step 7 8–8 Static step 8 9–9 Static step 9 10–10 Static step 10 11–11 Static step 11 12–12 Static step 12 13–13 Static step 13 14–14 Static step 14 15–15 Static step 15 16–16 Static step 16 17–17 Static step 17 18–18 Static step 18 19–19 Static step 19 20–20 Static step 20 21–21 Static step 21 22–22 Static step 22 23–23 Static step 23 24–24 Static step 24 25–25 Static step 25 26–26 Static step 26 27–27 Static step 27 28–28 Static step 28 29–29 Static step 29 30–39 Static step 30 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