Silver Star

Neptune 400 FX Wash



Manufacturer	**Silver Star**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**24, 25, 27, 30, 31, 37 channels**
Beam angle	**5-35°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**3**
Size (W × H × D)	**315 × 250 × 315 mm**
GDTF fixture type	**8F5687C4-A6FD-4BDE-8BD3-B…**

Controls

Prism · Zoom · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Fixture reset · Strobe · Built-in effect programmes

DMX modes

Pixel	24 ch
SSP	25 ch
HSIC	27 ch
Tour	30 ch
CMY	31 ch
TR16	37 ch

Pixel

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–254 Fast 255–255 Slow
6	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
7	Dimmer	0	
8	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
9	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
10	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
11	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
12	White	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
13	Color Macro1	0	0–9 No Function 10–25 R+G 26–41 R+B 42–57 R+W 58–73 G+B 74–89 G+W 90–105 B+W 106–121 R+G+B 122–137 R+G+B+W 138–153 R-G-R 154–169 R-B-R 170–185 R-W-R 186–201 G-B-G 202–217 B-W-B 218–233 R-G-B-R 234–255 R-G-B-W-R

Pixel (continued)

Ch	Function	Default	DMX values
14	Prism	0	0–120 0-360 121–125 Static 126–165 Shaker 166–170 Static 171–210 Prism CW 211–215 Static 216–255 Prism CCW
15	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
16	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
17	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
18	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open

Pixel (continued)

Ch	Function	Default	DMX values
19	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
20	Color Macro2Rate	0	0–254 Slow 255–255 Fast
21	Dimmer	0	0–254 Closed 255–255 Open
22	Control1	0	0–9 No Function 10–19 P/T Blackout On 20–29 P/T Blackout Off 30–59 Dim 1 60–69 Dim 2 70–79 Dim 3 80–89 Dom 4 90–99 Dim 5 100–139 PWM 1200Hz 140–149 PWM 2000Hz 150–159 PWM 2400Hz 160–169 PWM 6000Hz 170–179 PWM 25000Hz 180–189 Studio 190–199 Power 200–209 Live 210–219 Auto Test 220–229 P/T Reset 230–239 Zoom Reset 240–249 Reset All 250–255 No Function
23	Dimmer	0	0–254 Closed 255–255 Open
24	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe

SSP

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	

SSP (continued)

Ch	Function	Default	DMX values
3	Position MSpeed	0	0–254 Fast 255–255 Slow
4	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
5	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
6	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
7	White	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
8	Dimmer	0	0–254 Closed 255–255 Open
9	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
10	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
11	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
12	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
13	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
14	White	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
15	Dimmer	0	

SSP (continued)

Ch	Function	Default	DMX values
16	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
17	Prism	0	0–120 0-360 121–125 Static 126–165 Shaker 166–170 Static 171–210 Prism CW 211–215 Static 216–255 Prism CCW
18	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
19	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
20	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%

SSP (continued)

Ch	Function	Default	DMX values
21	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open
22	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
23	Color Macro2Rate	0	0–254 Slow 255–255 Fast
24	Dimmer	0	0–254 Closed 255–255 Open

SSP (continued)

Ch	Function	Default	DMX values
25	Control1	0	0–9 No Function 10–19 P/T Blackout On 20–29 P/T Blackout Off 30–59 Dim 1 60–69 Dim 2 70–79 Dim 3 80–89 Dom 4 90–99 Dim 5 100–139 PWM 1200Hz 140–149 PWM 2000Hz 150–159 PWM 2400Hz 160–169 PWM 6000Hz 170–179 PWM 25000Hz 180–189 Studio 190–199 Power 200–209 Live 210–219 Auto Test 220–229 P/T Reset 230–239 Zoom Reset 240–249 Reset All 250–255 No Function

HSIC

27 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–254 Fast 255–255 Slow
6	Dimmer	0	0–254 Closed 255–255 Open
7	H SBHue	0	
8	H SBHue Fine	0	Fine byte of H SBHue
9	H SBSaturation	0	
10	C TO	0	0–10 Open 11–28 1800K 29–46 2200K 47–64 2700K 65–82 3000K 83–100 3200K 101–118 3500K 119–136 4000K 137–154 4200K 155–172 4500K 173–190 5600K 191–208 6000K 209–226 6500K 227–244 7200K 245–255 8000K
11	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe

HSIC (continued)

Ch	Function	Default	DMX values
12	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
13	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
14	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
15	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
16	White	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
17	Dimmer	0	0–254 Closed 255–255 Open
18	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
19	Prism	0	0–120 0-360 121–125 Static 126–165 Shaker 166–170 Static 171–210 Prism CW 211–215 Static 216–255 Prism CCW
20	Red	0	
21	Green	0	
22	Blue	0	

HSIC (continued)

Ch	Function	Default	DMX values
23	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open
24	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
25	Color Macro2Rate	0	0–254 Slow 255–255 Fast
26	Dimmer	0	0–254 Closed 255–255 Open

HSIC (continued)

Ch	Function	Default	DMX values
27	Control1	0	0–10 No Function 11–20 P/T Blackout On 21–30 P/T Blackout Off 31–40 Pan Invert 41–50 Tilt Invert 51–60 P/T Invert Off 61–70 Live 71–80 Studio 81–90 Power 91–100 Reserved 101–110 Dimmer Off 111–120 Dimmer Mode 121–150 Reserved 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000 201–210 Reset All 211–220 P/T Reset 221–230 Zoom Reset 231–255 Reserved

Tour

30 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–254 Fast 255–255 Slow
4	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
5	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
6	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
7	White	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
8	Dimmer	0	0–254 Closed 255–255 Open
9	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe

Tour (continued)

Ch	Function	Default	DMX values
10	Color Macro1	0	0–10 Open 11–170 RGB Blends 171–195 All On 196–199 1800K 200–203 2200K 204–207 2700K 208–211 3000K 212–215 3200K 216–219 3500K 220–223 4000K 224–227 4200K 228–231 4500K 232–235 5600K 236–239 6000K 240–243 6500K 244–247 7200K 248–255 8000K

Tour (continued)

Ch	Function	Default	DMX values
11	Pixel Mode	0	0–9 No Function 10–15 1 16–21 2 22–27 3 28–33 4 34–39 5 40–45 6 46–51 7 52–57 1-2 58–63 1-3 64–69 1-4 70–75 1-5 76–85 1-6 86–90 1-7 91–95 2-3 96–100 2-4 101–105 2-5 106–110 2-6 111–115 2-7 116–120 3-4 121–125 3-5 126–130 3-6 131–135 3-7 136–140 4-5 141–145 4-6 146–150 4-7 151–155 5-6 156–160 5-7 161–165 6-7 166–170 1-2-3 171–175 1-4-5 176–180 1-6-7 181–185 2-3-4 186–190 5-6-7 191–195 4-5-6 196–200 7-2-3 201–205 1-2-3-4 206–210 1-5-6-7 211–215 1-3-5-7 216–220 3-4-5-6 221–225 1-2-3-4-5 226–230 1-4-5-6-7 231–235 3-4-5-6-7 236–240 1-2-3-4-5-6 241–245 2-3-4-5-6-7 246–250 1-2-3-5-6-7 251–255 All Off

Tour (continued)

Ch	Function	Default	DMX values
12	Effect	0	0–9 No Function 10–13 FX 1 14–17 FX 2 18–21 FX 3 22–25 FX 4 26–29 FX 5 30–33 FX 6 34–37 FX 7 38–41 FX 8 42–45 FX 9 46–49 FX 10 50–53 FX 11 54–57 FX 12 58–61 FX 13 62–65 FX 14 66–69 FX 15 70–73 FX 16 74–77 FX 17 78–81 FX 18 82–85 FX 19 86–89 FX 20 90–93 FX 21 94–97 FX 22 98–101 FX 23 102–105 FX 24 106–109 FX 25 110–113 FX 26 114–117 FX 27 118–121 FX 28 122–125 FX 29 126–129 FX 30 130–133 FX 31 134–137 FX 32 138–141 FX 33 142–145 FX 34 146–149 FX 35 150–153 FX 36 154–157 FX 37 158–161 FX 38 162–165 FX 39 166–169 FX 40 170–173 FX 41 174–177 FX 42 178–181 FX 43 182–185 FX 44 186–189 FX 45 190–193 FX 46 194–197 FX 47 198–201 FX 48 202–205 FX 49 206–209 FX 50 210–215 FX 51 216–221 FX 52 222–227 FX 53 228–230 FX 54 231–233 FX 55 234–236 FX 56 237–239 FX 57 240–242 FX 58 243–245 FX 59 246–248 FX 60 249–251 FX 61 252–254 FX 62 255–255 FX 63

Tour (continued)

Ch	Function	Default	DMX values
13	Effect Speed	0	0–254 Slow 255–255 Fast
14	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
15	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
16	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
17	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
18	White	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
19	Dimmer	0	
20	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
21	Color Macro1	0	0–9 No Function 10–25 R+G 26–41 R+B 42–57 R+W 58–73 G+B 74–89 G+W 90–105 B+W 106–121 R+G+B 122–137 R+G+B+W 138–153 R-G-R 154–169 R-B-R 170–185 R-W-R 186–201 G-B-G 202–217 B-W-B 218–233 R-G-B-R 234–255 R-G-B-W-R
22	Prism	0	0–120 0-360 121–125 Static 126–165 Shaker 166–170 Static 171–210 Prism CW 211–215 Static 216–255 Prism CCW

Tour (continued)

Ch	Function	Default	DMX values
23	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
24	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
25	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
26	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open

Tour (continued)

Ch	Function	Default	DMX values
27	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
28	Color Macro2Rate	0	0–254 Slow 255–255 Fast
29	Dimmer	0	0–254 Closed 255–255 Open
30	Control1	0	0–9 No Function 10–19 P/T Blackout On 20–29 P/T Blackout Off 30–59 Dim 1 60–69 Dim 2 70–79 Dim 3 80–89 Dom 4 90–99 Dim 5 100–139 PWM 1200Hz 140–149 PWM 2000Hz 150–159 PWM 2400Hz 160–169 PWM 6000Hz 170–179 PWM 25000Hz 180–189 Studio 190–199 Power 200–209 Live 210–219 Auto Test 220–229 P/T Reset 230–239 Zoom Reset 240–249 Reset All 250–255 No Function

CMY

31 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–254 Fast 255–255 Slow

CMY (continued)

Ch	Function	Default	DMX values
6	Cyan	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
7	Magenta	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
8	Yellow	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
9	Dimmer	0	0–254 Closed 255–255 Open
10	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
11	Color Macro1	0	0–10 Open 11–170 RGB Blends 171–195 All On 196–199 1800K 200–203 2200K 204–207 2700K 208–211 3000K 212–215 3200K 216–219 3500K 220–223 4000K 224–227 4200K 228–231 4500K 232–235 5600K 236–239 6000K 240–243 6500K 244–247 7200K 248–255 8000K

CMY (continued)

Ch	Function	Default	DMX values
12	Pixel Mode	0	0–9 No Function 10–15 1 16–21 2 22–27 3 28–33 4 34–39 5 40–45 6 46–51 7 52–57 1-2 58–63 1-3 64–69 1-4 70–75 1-5 76–85 1-6 86–90 1-7 91–95 2-3 96–100 2-4 101–105 2-5 106–110 2-6 111–115 2-7 116–120 3-4 121–125 3-5 126–130 3-6 131–135 3-7 136–140 4-5 141–145 4-6 146–150 4-7 151–155 5-6 156–160 5-7 161–165 6-7 166–170 1-2-3 171–175 1-4-5 176–180 1-6-7 181–185 2-3-4 186–190 5-6-7 191–195 4-5-6 196–200 7-2-3 201–205 1-2-3-4 206–210 1-5-6-7 211–215 1-3-5-7 216–220 3-4-5-6 221–225 1-2-3-4-5 226–230 1-4-5-6-7 231–235 3-4-5-6-7 236–240 1-2-3-4-5-6 241–245 2-3-4-5-6-7 246–250 1-2-3-5-6-7 251–255 All Off

CMY (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–9 No Function 10–13 FX 1 14–17 FX 2 18–21 FX 3 22–25 FX 4 26–29 FX 5 30–33 FX 6 34–37 FX 7 38–41 FX 8 42–45 FX 9 46–49 FX 10 50–53 FX 11 54–57 FX 12 58–61 FX 13 62–65 FX 14 66–69 FX 15 70–73 FX 16 74–77 FX 17 78–81 FX 18 82–85 FX 19 86–89 FX 20 90–93 FX 21 94–97 FX 22 98–101 FX 23 102–105 FX 24 106–109 FX 25 110–113 FX 26 114–117 FX 27 118–121 FX 28 122–125 FX 29 126–129 FX 30 130–133 FX 31 134–137 FX 32 138–141 FX 33 142–145 FX 34 146–149 FX 35 150–153 FX 36 154–157 FX 37 158–161 FX 38 162–165 FX 39 166–169 FX 40 170–173 FX 41 174–177 FX 42 178–181 FX 43 182–185 FX 44 186–189 FX 45 190–193 FX 46 194–197 FX 47 198–201 FX 48 202–205 FX 49 206–209 FX 50 210–215 FX 51 216–221 FX 52 222–227 FX 53 228–230 FX 54 231–233 FX 55 234–236 FX 56 237–239 FX 57 240–242 FX 58 243–245 FX 59 246–248 FX 60 249–251 FX 61 252–254 FX 62 255–255 FX 63

CMY (continued)

Ch	Function	Default	DMX values
14	Effect Speed	0	0–254 Slow 255–255 Fast
15	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
16	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
17	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
18	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
19	White	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
20	Dimmer	0	0–254 Closed 255–255 Open
21	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
22	Color Macro1	0	0–9 No Function 10–25 R+G 26–41 R+B 42–57 R+W 58–73 G+B 74–89 G+W 90–105 B+W 106–121 R+G+B 122–137 R+G+B+W 138–153 R-G-R 154–169 R-B-R 170–185 R-W-R 186–201 G-B-G 202–217 B-W-B 218–233 R-G-B-R 234–255 R-G-B-W-R
23	Prism	0	0–120 0-360 121–125 Static 126–165 Shaker 166–170 Static 171–210 Prism CW 211–215 Static 216–255 Prism CCW
24	Red	0	
25	Green	0	

CMY (continued)

Ch	Function	Default	DMX values
26	Blue	0	
27	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open
28	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
29	Color Macro2Rate	0	0–254 Slow 255–255 Fast
30	Dimmer	0	0–254 Closed 255–255 Open

CMY (continued)

Ch	Function	Default	DMX values
31	Control1	0	0–10 No Function 11–20 P/T Blackout On 21–30 P/T Blackout Off 31–40 Pan Invert 41–50 Tilt Invert 51–60 P/T Invert Off 61–70 Live 71–80 Studio 81–90 Power 91–100 Reserved 101–110 Dimmer Off 111–120 Dimmer Mode 121–150 Reserved 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000 201–210 Reset All 211–220 P/T Reset 221–230 Zoom Reset 231–255 Reserved

TR16

37 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–254 Fast 255–255 Slow
6	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
7	Red Fine	255	Fine byte of Red
8	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
9	Green Fine	255	Fine byte of Green
10	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
11	Blue Fine	255	Fine byte of Blue
12	White	0	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
13	White Fine	0	Fine byte of White

TR16 (continued)

Ch	Function	Default	DMX values
14	Dimmer	0	0–254 Closed 255–255 Open
15	Dimmer Fine	0	Fine byte of Dimmer
16	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
17	Color Macro1	0	0–10 Open 11–170 RGB Blends 171–195 All On 196–199 1800K 200–203 2200K 204–207 2700K 208–211 3000K 212–215 3200K 216–219 3500K 220–223 4000K 224–227 4200K 228–231 4500K 232–235 5600K 236–239 6000K 240–243 6500K 244–247 7200K 248–255 8000K

TR16 (continued)

Ch	Function	Default	DMX values
18	Pixel Mode	0	0–9 No Function 10–15 1 16–21 2 22–27 3 28–33 4 34–39 5 40–45 6 46–51 7 52–57 1-2 58–63 1-3 64–69 1-4 70–75 1-5 76–85 1-6 86–90 1-7 91–95 2-3 96–100 2-4 101–105 2-5 106–110 2-6 111–115 2-7 116–120 3-4 121–125 3-5 126–130 3-6 131–135 3-7 136–140 4-5 141–145 4-6 146–150 4-7 151–155 5-6 156–160 5-7 161–165 6-7 166–170 1-2-3 171–175 1-4-5 176–180 1-6-7 181–185 2-3-4 186–190 5-6-7 191–195 4-5-6 196–200 7-2-3 201–205 1-2-3-4 206–210 1-5-6-7 211–215 1-3-5-7 216–220 3-4-5-6 221–225 1-2-3-4-5 226–230 1-4-5-6-7 231–235 3-4-5-6-7 236–240 1-2-3-4-5-6 241–245 2-3-4-5-6-7 246–250 1-2-3-5-6-7 251–255 All Off

TR16 (continued)

Ch	Function	Default	DMX values
19	Effect	0	0–9 No Function 10–13 FX 1 14–17 FX 2 18–21 FX 3 22–25 FX 4 26–29 FX 5 30–33 FX 6 34–37 FX 7 38–41 FX 8 42–45 FX 9 46–49 FX 10 50–53 FX 11 54–57 FX 12 58–61 FX 13 62–65 FX 14 66–69 FX 15 70–73 FX 16 74–77 FX 17 78–81 FX 18 82–85 FX 19 86–89 FX 20 90–93 FX 21 94–97 FX 22 98–101 FX 23 102–105 FX 24 106–109 FX 25 110–113 FX 26 114–117 FX 27 118–121 FX 28 122–125 FX 29 126–129 FX 30 130–133 FX 31 134–137 FX 32 138–141 FX 33 142–145 FX 34 146–149 FX 35 150–153 FX 36 154–157 FX 37 158–161 FX 38 162–165 FX 39 166–169 FX 40 170–173 FX 41 174–177 FX 42 178–181 FX 43 182–185 FX 44 186–189 FX 45 190–193 FX 46 194–197 FX 47 198–201 FX 48 202–205 FX 49 206–209 FX 50 210–215 FX 51 216–221 FX 52 222–227 FX 53 228–230 FX 54 231–233 FX 55 234–236 FX 56 237–239 FX 57 240–242 FX 58 243–245 FX 59 246–248 FX 60 249–251 FX 61 252–254 FX 62 255–255 FX 63

TR16 (continued)

Ch	Function	Default	DMX values
20	Effect Speed	0	0–254 Slow 255–255 Fast
21	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
22	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
23	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
24	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
25	White	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
26	Dimmer	0	
27	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
28	Color Macro1	0	0–9 No Function 10–25 R+G 26–41 R+B 42–57 R+W 58–73 G+B 74–89 G+W 90–105 B+W 106–121 R+G+B 122–137 R+G+B+W 138–153 R-G-R 154–169 R-B-R 170–185 R-W-R 186–201 G-B-G 202–217 B-W-B 218–233 R-G-B-R 234–255 R-G-B-W-R
29	Prism	0	0–120 0-360 121–125 Static 126–165 Shaker 166–170 Static 171–210 Prism CW 211–215 Static 216–255 Prism CCW

TR16 (continued)

Ch	Function	Default	DMX values
30	Red	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
31	Green	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
32	Blue	255	0–63 0% 64–127 25% 128–191 50% 192–254 75% 255–255 100%
33	Color Macro1	0	0–9 Open 10–14 Red 15–19 Green 20–24 Blue 25–29 Yellow 30–34 Magenta 35–39 Cyan 40–44 White 45–49 Violet Blue 50–54 Light Blue 55–59 Wine Red 60–64 May Green 65–69 Reseda Green 70–74 Lilac Blue 75–79 Moss Green 80–84 Signal Violet 85–89 Lilac Red 90–94 Purple Red 95–99 Green Brown 100–104 Pale Green 105–109 Ruby Red 110–114 Flame Red 115–119 Red Orange 120–124 Rose 125–129 Honey Yellow 130–134 Light Pin 135–139 Deep Orange 140–144 Lemon 145–149 Golden Yellow 150–154 Pastel Orange 155–159 Cream 160–164 Melon Yellow 165–169 Luminous Orange 170–174 Luminous Yellow 175–179 Open 180–248 FX 249–255 Open

TR16 (continued)

Ch	Function	Default	DMX values
34	Color Macro2	0	0–9 Open 10–23 FX 1 24–37 FX 2 38–51 FX 3 52–65 FX 4 66–79 FX 5 80–93 FX 6 94–107 FX 7 108–121 FX 8 122–135 FX 9 136–149 FX 10 150–163 FX 11 164–177 FX 12 178–191 FX 13 192–205 FX 14 206–219 FX 15 220–233 FX 16 234–247 FX 17 248–255 Closed
35	Color Macro2Rate	0	0–254 Slow 255–255 Fast
36	Dimmer	0	0–254 Closed 255–255 Open
37	Control1	0	0–9 No Function 10–19 P/T Blackout On 20–29 P/T Blackout Off 30–59 Dim 1 60–69 Dim 2 70–79 Dim 3 80–89 Dom 4 90–99 Dim 5 100–139 PWM 1200Hz 140–149 PWM 2000Hz 150–159 PWM 2400Hz 160–169 PWM 6000Hz 170–179 PWM 25000Hz 180–189 Studio 190–199 Power 200–209 Live 210–219 Auto Test 220–229 P/T Reset 230–239 Zoom Reset 240–249 Reset All 250–255 No Function