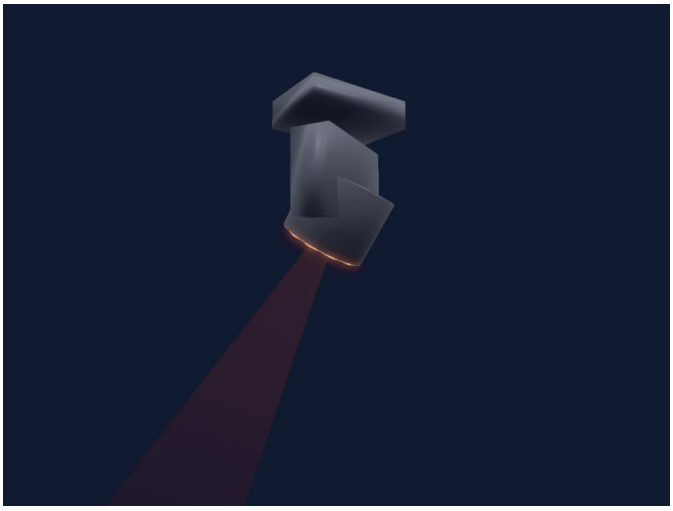
Silver Star

NW8-X



Manufacturer	**Silver Star**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**26, 28, 31, 32, 38 channels**
Beam angle	**3.5-38°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**3**
Size (W × H × D)	**316 × 240 × 316 mm**
GDTF fixture type	**0F6C5154-5F8C-48FC-B27B-1A...**

Controls

Zoom · Extra LED colours · 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	26 ch
SSP	26 ch
HSIC	28 ch
Tour	31 ch
CMY	32 ch
TR16	38 ch

Pixel

26 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	
6	Pan Rotate	0	0–63 stop rotation by spinout 64–127 stop rotation by shortcut 128–189 Forwards Pan rotation from fast to slow 190–193 No rotation 194–255 Backwards Pan rotation from slow to fast
7	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
8	Red	255	
9	Green	255	
10	Blue	255	
11	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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open

Pixel (continued)

Ch	Function	Default	DMX values
12	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
13	Color Macro2Rate	0	0–254 Slow 255–255 Fast
14	Dimmer	0	0–254 Closed 255–255 Open
15	Red	255	
16	Green	255	
17	Blue	255	

Pixel (continued)

Ch	Function	Default	DMX values
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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open
19	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
20	Color Macro2Rate	0	0–254 Slow 255–255 Fast

Pixel (continued)

Ch	Function	Default	DMX values
21	Dimmer	0	0–254 Closed 255–255 Open
22	Control1	0	0–10 No Function 11–20 P/T Black On 21–30 P/T Black Off 31–40 Pan Invert On 41–50 Tilt Invert On 51–60 P/T Invert Off 61–70 Studio 71–80 Live 81–90 Power 91–100 Dim4 101–110 Dim0 111–120 Linear 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Zoom Reset 231–255 Reserved
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

Pixel (continued)

Ch	Function	Default	DMX values
25	Color Macro1	0	0–10 No Function 11–15 Black 16–20 R40 Light Salmon 21–25 L24 Scarlet 26–30 L164 Flame Red 31–40 Black 41–45 L08 Dark Salmon 46–50 L25 Sunset Red 51–55 Black 56–60 L237 CID (To Tungsten) 61–65 R321 Soft Golden Amber 66–70 L652 Urban Sodium 71–75 Black 76–80 L765 LEE Yellow 81–85 L513 Ice and a Slice 86–105 Black 106–110 L90 Dark Yellow Green 111–115 Black 116–120 R92 Turquoise 121–135 Black 136–140 L728 Steel Green 141–145 L117 Steel Blue 146–150 L354 Special Steel Blue 151–155 Black 156–160 L501 New Colour Blue 161–165 L174 Dark Steel Blue 166–180 Black 181–185 L142 Pale Violet 186–195 Black 196–200 L794 Pretty'n Pink 201–205 L328 Follies Pink 206–215 Black 216–220 L127 Smokey Pink 221–225 L192 Flesh Pink 226–235 Black 236–240 L157 Pink 241–245 R332 Cherry Rose 246–255 Black
26	C TO	0	0–9 No Function 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K

SSP

26 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	

SSP (continued)

Ch	Function	Default	DMX values
4	Pan Rotate	0	0–63 stop rotation by spinout 64–127 stop rotation by shortcut 128–189 Forwards Pan rotation from fast to slow 190–193 No rotation 194–255 Backwards Pan rotation from slow to fast
5	Red	255	
6	Green	255	
7	Blue	255	
8	Color Add GY	255	0–254 Min 255–255 Mac
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	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
12	Red	255	
13	Green	255	
14	Blue	255	

SSP (continued)

Ch	Function	Default	DMX values
15	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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open
16	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
17	Color Macro2Rate	0	0–254 Slow 255–255 Fast

SSP (continued)

Ch	Function	Default	DMX values
18	Dimmer	0	0–254 Closed 255–255 Open
19	Red	255	
20	Green	255	
21	Blue	255	
22	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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open

SSP (continued)

Ch	Function	Default	DMX values
23	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
24	Color Macro2Rate	0	0–254 Slow 255–255 Fast
25	Dimmer	0	0–254 Closed 255–255 Open
26	Control1	0	0–10 No Function 11–20 P/T Black On 21–30 P/T Black Off 31–40 Pan Invert On 41–50 Tilt Invert On 51–60 P/T Invert Off 61–70 Studio 71–80 Live 81–90 Power 91–100 Dim4 101–110 Dim0 111–120 Linear 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Zoom Reset 231–255 Reserved

HSIC

28 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	

HSIC (continued)

Ch	Function	Default	DMX values
6	Pan Rotate	0	0–63 stop rotation by spinout 64–127 stop rotation by shortcut 128–189 Forwards Pan rotation from fast to slow 190–193 No rotation 194–255 Backwards Pan rotation from slow to fast
7	Dimmer	0	0–254 Closed 255–255 Open
8	H SBHue	0	
9	H SBHue Fine	0	Fine byte of H SBHue
10	H SBSaturation	0	
11	C TO	0	0–9 No Function 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K
12	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
13	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
14	Red	255	
15	Green	255	
16	Blue	255	

HSIC (continued)

Ch	Function	Default	DMX values
17	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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open
18	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
19	Color Macro2Rate	0	0–254 Slow 255–255 Fast

HSIC (continued)

Ch	Function	Default	DMX values
20	Dimmer	0	0–254 Closed 255–255 Open
21	Red	255	
22	Green	255	
23	Blue	255	
24	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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open

HSIC (continued)

Ch	Function	Default	DMX values
25	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
26	Color Macro2Rate	0	0–254 Slow 255–255 Fast
27	Dimmer	0	0–254 Closed 255–255 Open
28	Control1	0	0–10 No Function 11–20 P/T Black On 21–30 P/T Black Off 31–40 Pan Invert On 41–50 Tilt Invert On 51–60 P/T Invert Off 61–70 Studio 71–80 Live 81–90 Power 91–100 Dim4 101–110 Dim0 111–120 Linear 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Zoom Reset 231–255 Reserved

Tour

31 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	

Tour (continued)

Ch	Function	Default	DMX values
4	Pan Rotate	0	0–63 stop rotation by spinout 64–127 stop rotation by shortcut 128–189 Forwards Pan rotation from fast to slow 190–193 No rotation 194–255 Backwards Pan rotation from slow to fast
5	Red	255	
6	Green	255	
7	Blue	255	
8	Color Add GY	255	0–254 Min 255–255 Mac
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 No Function 11–15 Black 16–20 R40 Light Salmon 21–25 L24 Scarlet 26–30 L164 Flame Red 31–40 Black 41–45 L08 Dark Salmon 46–50 L25 Sunset Red 51–55 Black 56–60 L237 CID (To Tungsten) 61–65 R321 Soft Golden Amber 66–70 L652 Urban Sodium 71–75 Black 76–80 L765 LEE Yellow 81–85 L513 Ice and a Slice 86–105 Black 106–110 L90 Dark Yellow Green 111–115 Black 116–120 R92 Turquoise 121–135 Black 136–140 L728 Steel Green 141–145 L117 Steel Blue 146–150 L354 Special Steel Blue 151–155 Black 156–160 L501 New Colour Blue 161–165 L174 Dark Steel Blue 166–180 Black 181–185 L142 Pale Violet 186–195 Black 196–200 L794 Pretty'n Pink 201–205 L328 Follies Pink 206–215 Black 216–220 L127 Smokey Pink 221–225 L192 Flesh Pink 226–235 Black 236–240 L157 Pink 241–245 R332 Cherry Rose 246–255 Black

Tour (continued)

Ch	Function	Default	DMX values
12	C TO	0	0–9 No Function 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K

Tour (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–10 No Function 11–15 1 16–20 2 21–25 3 26–30 4 31–35 5 36–40 6 41–45 7 46–50 8 51–55 9 56–60 10 61–65 11 66–70 12 71–75 13 76–80 14 81–85 15 86–90 16 91–95 17 96–100 18 101–105 19 106–110 1 111–115 2-3 116–120 4-5 121–125 6-7 126–130 8-9 131–135 10-11 136–140 12-13 141–145 14-15 146–150 16-17 151–155 18-19 156–160 1 161–165 2-3-4 166–170 5-6-7 171–175 8-9-10 176–180 11-12-13 181–185 14-15-16 186–190 17-18-19 191–195 1 196–200 2-3-4-5-6-7 201–205 8-9-10-11 206–210 12-13-14-15 211–215 16-17-18-19 216–220 1 221–225 2-8-9 226–230 3-10-11 231–235 4-12-13 236–240 5-14-15 241–245 6-16-17 246–250 7-18-19 251–255 No Function

Tour (continued)

Ch	Function	Default	DMX values
14	Effect 2	0	0–10 No Function 11–15 1-19 Run 16–20 19-1 Run 21–25 1-19-1 Run 26–30 1-10 and 19-10 Run 31–35 Triples Dimmer 36–40 Reverse Triples Dimmer 41–45 1-19 2700K Run 46–50 19-1 2700K Run 51–55 1-19-1 2700K Run 56–60 1-10 and 19-10 2700K Run 61–65 1-19 6000K Run 66–70 19-1 6000K Run 71–75 1-19-1 6000K Run 76–80 1-10 and 19-10 6000K Run 81–85 Red Background Green 1-19 Run 86–90 Red Background Green 19-1 Run 91–95 Red Background Green 1-19-1 Run 96–100 Red Background Green 1-10 and 19-10 Run 101–105 Green Background Blue 1-19 Run 106–110 Green Background Blue 19-1 Run 111–115 Green Background Blue 1-19-1 Run 116–120 Green Background Blue 1-10 and 19-10 Run 121–125 Blue Background Green 1-19 Run 126–130 Blue Background Green 19-1 Run 131–135 Blue Background Green 1-19-1 Run 136–140 Blue Background Green 1-10 and 19-10 Run 141–145 Red Background Lime 1-19 Run 146–150 Red Background Lime 19-1 Run 151–155 Red Background Lime 1-19-1 Run 156–160 Red Background Lime 1-10 and 19-10 Run 161–165 Green Background Lime 1-19 Run 166–170 Green Background Lime 19-1 Run 171–175 Green Background Lime 1-19-1 Run 176–180 Green Background Lime 1-10 and 19-10 Run 181–185 Blue Background Lime 1-19 Run 186–190 Blue Background Lime 19-1 Run 191–195 Blue Background Lime 1-19-1 Run 196–200 Blue Background Lime 1-10 and 19-10 Run 201–205 Green Background Red 1-19 Run 206–210 Green Background Red 19-1 Run 211–215 Green Background Red 1-19-1 Run 216–220 Green Background Red 1-10 and 19-10 Run 221–225 Blue Background Red 1-19 Run 226–230 Blue Background Red 19-1 Run 231–235 Blue Background Red 1-19-1 Run 236–240 Blue Background Red 1-10 and 19-10 Run 241–245 Ring FX 246–250 Cycle Operation 251–255 No Function
15	Effect Speed 2	0	
16	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
17	Red	255	
18	Green	255	
19	Blue	255	

Tour (continued)

Ch	Function	Default	DMX values
20	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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open
21	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
22	Color Macro2Rate	0	0–254 Slow 255–255 Fast

Tour (continued)

Ch	Function	Default	DMX values
23	Dimmer	0	0–254 Closed 255–255 Open
24	Red	255	
25	Green	255	
26	Blue	255	
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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open

Tour (continued)

Ch	Function	Default	DMX values
28	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
29	Color Macro2Rate	0	0–254 Slow 255–255 Fast
30	Dimmer	0	0–254 Closed 255–255 Open
31	Control1	0	0–10 No Function 11–20 P/T Black On 21–30 P/T Black Off 31–40 Pan Invert On 41–50 Tilt Invert On 51–60 P/T Invert Off 61–70 Studio 71–80 Live 81–90 Power 91–100 Dim4 101–110 Dim0 111–120 Linear 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Zoom Reset 231–255 Reserved

CMY

32 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	

CMY (continued)

Ch	Function	Default	DMX values
6	Pan Rotate	0	0–63 stop rotation by spinout 64–127 stop rotation by shortcut 128–189 Forwards Pan rotation from fast to slow 190–193 No rotation 194–255 Backwards Pan rotation from slow to fast
7	Cyan	255	
8	Magenta	255	
9	Yellow	255	
10	Dimmer	0	0–254 Closed 255–255 Open
11	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe
12	Color Macro1	0	0–10 No Function 11–15 Black 16–20 R40 Light Salmon 21–25 L24 Scarlet 26–30 L164 Flame Red 31–40 Black 41–45 L08 Dark Salmon 46–50 L25 Sunset Red 51–55 Black 56–60 L237 CID (To Tungsten) 61–65 R321 Soft Golden Amber 66–70 L652 Urban Sodium 71–75 Black 76–80 L765 LEE Yellow 81–85 L513 Ice and a Slice 86–105 Black 106–110 L90 Dark Yellow Green 111–115 Black 116–120 R92 Turquoise 121–135 Black 136–140 L728 Steel Green 141–145 L117 Steel Blue 146–150 L354 Special Steel Blue 151–155 Black 156–160 L501 New Colour Blue 161–165 L174 Dark Steel Blue 166–180 Black 181–185 L142 Pale Violet 186–195 Black 196–200 L794 Pretty'n Pink 201–205 L328 Follies Pink 206–215 Black 216–220 L127 Smokey Pink 221–225 L192 Flesh Pink 226–235 Black 236–240 L157 Pink 241–245 R332 Cherry Rose 246–255 Black

CMY (continued)

Ch	Function	Default	DMX values
13	C TO	0	0–9 No Function 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K

CMY (continued)

Ch	Function	Default	DMX values
14	Effect	0	0–10 No Function 11–15 1 16–20 2 21–25 3 26–30 4 31–35 5 36–40 6 41–45 7 46–50 8 51–55 9 56–60 10 61–65 11 66–70 12 71–75 13 76–80 14 81–85 15 86–90 16 91–95 17 96–100 18 101–105 19 106–110 1 111–115 2-3 116–120 4-5 121–125 6-7 126–130 8-9 131–135 10-11 136–140 12-13 141–145 14-15 146–150 16-17 151–155 18-19 156–160 1 161–165 2-3-4 166–170 5-6-7 171–175 8-9-10 176–180 11-12-13 181–185 14-15-16 186–190 17-18-19 191–195 1 196–200 2-3-4-5-6-7 201–205 8-9-10-11 206–210 12-13-14-15 211–215 16-17-18-19 216–220 1 221–225 2-8-9 226–230 3-10-11 231–235 4-12-13 236–240 5-14-15 241–245 6-16-17 246–250 7-18-19 251–255 No Function

CMY (continued)

Ch	Function	Default	DMX values
15	Effect 2	0	0–10 No Function 11–15 1-19 Run 16–20 19-1 Run 21–25 1-19-1 Run 26–30 1-10 and 19-10 Run 31–35 Triples Dimmer 36–40 Reverse Triples Dimmer 41–45 1-19 2700K Run 46–50 19-1 2700K Run 51–55 1-19-1 2700K Run 56–60 1-10 and 19-10 2700K Run 61–65 1-19 6000K Run 66–70 19-1 6000K Run 71–75 1-19-1 6000K Run 76–80 1-10 and 19-10 6000K Run 81–85 Red Background Green 1-19 Run 86–90 Red Background Green 19-1 Run 91–95 Red Background Green 1-19-1 Run 96–100 Red Background Green 1-10 and 19-10 Run 101–105 Green Background Blue 1-19 Run 106–110 Green Background Blue 19-1 Run 111–115 Green Background Blue 1-19-1 Run 116–120 Green Background Blue 1-10 and 19-10 Run 121–125 Blue Background Green 1-19 Run 126–130 Blue Background Green 19-1 Run 131–135 Blue Background Green 1-19-1 Run 136–140 Blue Background Green 1-10 and 19-10 Run 141–145 Red Background Lime 1-19 Run 146–150 Red Background Lime 19-1 Run 151–155 Red Background Lime 1-19-1 Run 156–160 Red Background Lime 1-10 and 19-10 Run 161–165 Green Background Lime 1-19 Run 166–170 Green Background Lime 19-1 Run 171–175 Green Background Lime 1-19-1 Run 176–180 Green Background Lime 1-10 and 19-10 Run 181–185 Blue Background Lime 1-19 Run 186–190 Blue Background Lime 19-1 Run 191–195 Blue Background Lime 1-19-1 Run 196–200 Blue Background Lime 1-10 and 19-10 Run 201–205 Green Background Red 1-19 Run 206–210 Green Background Red 19-1 Run 211–215 Green Background Red 1-19-1 Run 216–220 Green Background Red 1-10 and 19-10 Run 221–225 Blue Background Red 1-19 Run 226–230 Blue Background Red 19-1 Run 231–235 Blue Background Red 1-19-1 Run 236–240 Blue Background Red 1-10 and 19-10 Run 241–245 Ring FX 246–250 Cycle Operation 251–255 No Function
16	Effect Speed 2	0	
17	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
18	Red	255	
19	Green	255	
20	Blue	255	

CMY (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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open
22	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
23	Color Macro2Rate	0	0–254 Slow 255–255 Fast

CMY (continued)

Ch	Function	Default	DMX values
24	Dimmer	0	0–254 Closed 255–255 Open
25	Red	255	
26	Green	255	
27	Blue	255	
28	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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open

CMY (continued)

Ch	Function	Default	DMX values
29	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
30	Color Macro2Rate	0	0–254 Slow 255–255 Fast
31	Dimmer	0	0–254 Closed 255–255 Open
32	Control1	0	0–10 No Function 11–20 P/T Black On 21–30 P/T Black Off 31–40 Pan Invert On 41–50 Tilt Invert On 51–60 P/T Invert Off 61–70 Studio 71–80 Live 81–90 Power 91–100 Dim4 101–110 Dim0 111–120 Linear 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Zoom Reset 231–255 Reserved

TR16

38 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	

TR16 (continued)

Ch	Function	Default	DMX values
6	Pan Rotate	0	0–63 stop rotation by spinout 64–127 stop rotation by shortcut 128–189 Forwards Pan rotation from fast to slow 190–193 No rotation 194–255 Backwards Pan rotation from slow to fast
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	Color Add GY	255	0–254 Min 255–255 Mac
14	Color Add GY Fine	255	Fine byte of Color Add GY
15	Dimmer	0	0–254 Closed 255–255 Open
16	Dimmer Fine	0	Fine byte of Dimmer
17	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 Lightning Strobe 180–189 Open 190–255 Random Strobe

TR16 (continued)

Ch	Function	Default	DMX values
18	Color Macro1	0	0–10 No Function 11–15 Black 16–20 R40 Light Salmon 21–25 L24 Scarlet 26–30 L164 Flame Red 31–40 Black 41–45 L08 Dark Salmon 46–50 L25 Sunset Red 51–55 Black 56–60 L237 CID (To Tungsten) 61–65 R321 Soft Golden Amber 66–70 L652 Urban Sodium 71–75 Black 76–80 L765 LEE Yellow 81–85 L513 Ice and a Slice 86–105 Black 106–110 L90 Dark Yellow Green 111–115 Black 116–120 R92 Turquoise 121–135 Black 136–140 L728 Steel Green 141–145 L117 Steel Blue 146–150 L354 Special Steel Blue 151–155 Black 156–160 L501 New Colour Blue 161–165 L174 Dark Steel Blue 166–180 Black 181–185 L142 Pale Violet 186–195 Black 196–200 L794 Pretty'n Pink 201–205 L328 Follies Pink 206–215 Black 216–220 L127 Smokey Pink 221–225 L192 Flesh Pink 226–235 Black 236–240 L157 Pink 241–245 R332 Cherry Rose 246–255 Black
19	C TO	0	0–9 No Function 10–24 1800K 25–39 2200K 40–54 2700K 55–69 3000K 70–84 3200K 85–99 4000K 100–114 4500K 115–129 5000K 130–144 5600K 145–159 6000K 160–174 6500K 175–189 7000K 190–204 8000K 205–255 10000K

TR16 (continued)

Ch	Function	Default	DMX values
20	Effect	0	0–10 No Function 11–15 1 16–20 2 21–25 3 26–30 4 31–35 5 36–40 6 41–45 7 46–50 8 51–55 9 56–60 10 61–65 11 66–70 12 71–75 13 76–80 14 81–85 15 86–90 16 91–95 17 96–100 18 101–105 19 106–110 1 111–115 2-3 116–120 4-5 121–125 6-7 126–130 8-9 131–135 10-11 136–140 12-13 141–145 14-15 146–150 16-17 151–155 18-19 156–160 1 161–165 2-3-4 166–170 5-6-7 171–175 8-9-10 176–180 11-12-13 181–185 14-15-16 186–190 17-18-19 191–195 1 196–200 2-3-4-5-6-7 201–205 8-9-10-11 206–210 12-13-14-15 211–215 16-17-18-19 216–220 1 221–225 2-8-9 226–230 3-10-11 231–235 4-12-13 236–240 5-14-15 241–245 6-16-17 246–250 7-18-19 251–255 No Function

TR16 (continued)

Ch	Function	Default	DMX values
21	Effect 2	0	0–10 No Function 11–15 1-19 Run 16–20 19-1 Run 21–25 1-19-1 Run 26–30 1-10 and 19-10 Run 31–35 Triples Dimmer 36–40 Reverse Triples Dimmer 41–45 1-19 2700K Run 46–50 19-1 2700K Run 51–55 1-19-1 2700K Run 56–60 1-10 and 19-10 2700K Run 61–65 1-19 6000K Run 66–70 19-1 6000K Run 71–75 1-19-1 6000K Run 76–80 1-10 and 19-10 6000K Run 81–85 Red Background Green 1-19 Run 86–90 Red Background Green 19-1 Run 91–95 Red Background Green 1-19-1 Run 96–100 Red Background Green 1-10 and 19-10 Run 101–105 Green Background Blue 1-19 Run 106–110 Green Background Blue 19-1 Run 111–115 Green Background Blue 1-19-1 Run 116–120 Green Background Blue 1-10 and 19-10 Run 121–125 Blue Background Green 1-19 Run 126–130 Blue Background Green 19-1 Run 131–135 Blue Background Green 1-19-1 Run 136–140 Blue Background Green 1-10 and 19-10 Run 141–145 Red Background Lime 1-19 Run 146–150 Red Background Lime 19-1 Run 151–155 Red Background Lime 1-19-1 Run 156–160 Red Background Lime 1-10 and 19-10 Run 161–165 Green Background Lime 1-19 Run 166–170 Green Background Lime 19-1 Run 171–175 Green Background Lime 1-19-1 Run 176–180 Green Background Lime 1-10 and 19-10 Run 181–185 Blue Background Lime 1-19 Run 186–190 Blue Background Lime 19-1 Run 191–195 Blue Background Lime 1-19-1 Run 196–200 Blue Background Lime 1-10 and 19-10 Run 201–205 Green Background Red 1-19 Run 206–210 Green Background Red 19-1 Run 211–215 Green Background Red 1-19-1 Run 216–220 Green Background Red 1-10 and 19-10 Run 221–225 Blue Background Red 1-19 Run 226–230 Blue Background Red 19-1 Run 231–235 Blue Background Red 1-19-1 Run 236–240 Blue Background Red 1-10 and 19-10 Run 241–245 Ring FX 246–250 Cycle Operation 251–255 No Function
22	Effect Speed 2	0	
23	Zoom	128	0–127 Narrow 128–254 Mid 255–255 Wide
24	Red	255	
25	Green	255	
26	Blue	255	

TR16 (continued)

Ch	Function	Default	DMX values
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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open
28	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
29	Color Macro2Rate	0	0–254 Slow 255–255 Fast

TR16 (continued)

Ch	Function	Default	DMX values
30	Dimmer	0	0–254 Closed 255–255 Open
31	Red	255	
32	Green	255	
33	Blue	255	
34	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 Blue Lilac 75–79 Moss Green 80–84 Signal Violet 85–89 Red Lilac 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 Stop 249–255 Open

TR16 (continued)

Ch	Function	Default	DMX values
35	Color Macro2	0	0–10 Open 11–20 FX1 21–30 FX2 31–40 FX3 41–50 FX4 51–60 FX5 61–70 FX6 71–80 FX7 81–90 FX8 91–100 FX9 101–110 FX10 111–120 FX11 121–130 FX12 131–140 FX13 141–150 FX14 151–160 FX15 161–170 FX16 171–180 FX17 181–190 FX18 191–200 FX19 201–210 FX20 211–255 Open
36	Color Macro2Rate	0	0–254 Slow 255–255 Fast
37	Dimmer	0	0–254 Closed 255–255 Open
38	Control1	0	0–10 No Function 11–20 P/T Black On 21–30 P/T Black Off 31–40 Pan Invert On 41–50 Tilt Invert On 51–60 P/T Invert Off 61–70 Studio 71–80 Live 81–90 Power 91–100 Dim4 101–110 Dim0 111–120 Linear 121–130 Square Law 131–140 Inv Square Law 141–150 S-Curve 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 XY Reset 221–230 Zoom Reset 231–255 Reserved