Silver Star

# NW8-XT



| | |
|---|---|
| Manufacturer | **Silver Star** |
| Type | **Moving head** |
| DMX modes | **6** |
| DMX footprint | **13, 15, 16, 18, 23, 24 channels** |
| Beam angle | **3.5-70°** |
| Pan range | **540°** |
| Tilt range | **220°** |
| Heads / cells | **3** |
| Size (W × H × D) | **316 × 240 × 316 mm** |
| GDTF fixture type | **DF2825B5-F0EB-40ED-8670-52...** |

## Controls

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

## Safety-relevant functions

Fixture reset · Strobe

## DMX modes

| | |
|---|---|
| SSP (13 CH) | 13 ch |
| HSIC (15 CH) | 15 ch |
| CMY (16 CH) | 16 ch |
| TOUR (18 CH) | 18 ch |
| Pixel(23 CH) | 23 ch |
| TR16 (24 CH) | 24 ch |

## SSP (13 CH)

13 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 128 | |
| 2 | Tilt | 128 | |
| 3 | Position MSpeed | 0 | |
| 4 | Pan Rotate | 0 | 0–63 stop rotation by spinout<br>64–127 stop rotation by shortcut<br>128–189 Forwards Pan rotation from fast to slow<br>190–193 No rotation<br>194–255 Backwards Pan rotation from slow to fast |
| 5 | Red | 255 | |
| 6 | Green | 255 | |
| 7 | Blue | 255 | |
| 8 | White | 0 | |
| 9 | Color Add RY | 0 | |
| 10 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 11 | Shutter / Strobe | 0 | 0–9 Open<br>10–99 Strobe<br>100–109 Open<br>110–179 Lightning Strobe<br>180–189 Open<br>190–255 Random Strobe |
| 12 | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |
| 13 | Control1 | 0 | 0–10 No Function<br>11–15 P/T Black On<br>16–20 P/T Black Off<br>21–25 Pan Invert On<br>26–30 Tilt Invert On<br>31–35 P/T Invert Off<br>36–40 PAN DEGREE 630<br>41–45 PAN DEGREE 540<br>46–100 RESERVED<br>101–105 STUDIO<br>106–110 POWER<br>111–115 LIVE<br>116–130 RESERVED<br>131–135 DIMMER SPEED Halogen<br>136–140 DIMMER SPEED LED<br>141–145 DIMMER CURVE LINEAR<br>146–150 DIMMER CURVE SQUARE LAW<br>151–155 DIMMER CURVE INV SQUARE LAW<br>156–160 DIMMER CURVE S-CURVE<br>161–165 1200Hz<br>166–170 2400Hz<br>171–175 4000Hz<br>176–180 6000Hz<br>181–185 25000Hz<br>186–200 RESERVED<br>201–205 ALL RESET<br>206–210 XY RESET<br>211–215 ZOOM RESET<br>216–255 NO FUNCTION |

## HSIC (15 CH)

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

### HSIC (15 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Control1 | 0 | 0–10 No Function<br>11–15 P/T Black On<br>16–20 P/T Black Off<br>21–25 Pan Invert On<br>26–30 Tilt Invert On<br>31–35 P/T Invert Off<br>36–40 PAN DEGREE 630<br>41–45 PAN DEGREE 540<br>46–100 RESERVED<br>101–105 STUDIO<br>106–110 POWER<br>111–115 LIVE<br>116–130 RESERVED<br>131–135 DIMMER SPEED Halogen<br>136–140 DIMMER SPEED LED<br>141–145 DIMMER CURVE LINEAR<br>146–150 DIMMER CURVE SQUARE LAW<br>151–155 DIMMER CURVE INV SQUARE LAW<br>156–160 DIMMER CURVE S-CURVE<br>161–165 1200Hz<br>166–170 2400Hz<br>171–175 4000Hz<br>176–180 6000Hz<br>181–185 25000Hz<br>186–200 RESERVED<br>201–205 ALL RESET<br>206–210 XY RESET<br>211–215 ZOOM RESET<br>216–255 NO FUNCTION |

## CMY (16 CH)

16 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<br>64–127 stop rotation by shortcut<br>128–189 Forwards Pan rotation from fast to slow<br>190–193 No rotation<br>194–255 Backwards Pan rotation from slow to fast |
| **7** | Cyan | 0 | |
| **8** | Magenta | 0 | |
| **9** | Yellow | 0 | |
| **10** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **11** | Shutter / Strobe | 0 | 0–9 Open<br>10–99 Strobe<br>100–109 Open<br>110–179 Lightning Strobe<br>180–189 Open<br>190–255 Random Strobe |

## CMY (16 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Color Wheel | 0 | 0–15 WHITE (wheel slot 1)<br>16–20 R40 (wheel slot 2)<br>21–25 L24 (wheel slot 3)<br>26–40 L164 (wheel slot 4)<br>41–49 L08 (wheel slot 5)<br>50–59 L25 (wheel slot 6)<br>60–64 L237 (wheel slot 7)<br>65–69 R321 (wheel slot 8)<br>70–79 L652 (wheel slot 9)<br>80–84 L765 (wheel slot 10)<br>85–109 L513 (wheel slot 11)<br>110–119 L90 (wheel slot 12)<br>120–132 R92 (wheel slot 13)<br>133–142 L728 (wheel slot 14)<br>143–149 L117 (wheel slot 15)<br>150–159 L354 (wheel slot 16)<br>160–164 L501 (wheel slot 17)<br>165–183 L174 (wheel slot 18)<br>184–194 L142 (wheel slot 19)<br>195–204 L794 (wheel slot 20)<br>205–214 L328 (wheel slot 21)<br>215–224 L127 (wheel slot 22)<br>225–235 L192 (wheel slot 23)<br>236–244 L157 (wheel slot 24)<br>245–255 R332 (wheel slot 25) |
| **13** | C TC | 0 | 0–9 No Function<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| **14** | C RIMode | 0 | |
| **15** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |

### CMY (16 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | Control1 | 0 | 0–10 No Function<br>11–15 P/T Black On<br>16–20 P/T Black Off<br>21–25 Pan Invert On<br>26–30 Tilt Invert On<br>31–35 P/T Invert Off<br>36–40 PAN DEGREE 630<br>41–45 PAN DEGREE 540<br>46–100 RESERVED<br>101–105 STUDIO<br>106–110 POWER<br>111–115 LIVE<br>116–130 RESERVED<br>131–135 DIMMER SPEED Halogen<br>136–140 DIMMER SPEED LED<br>141–145 DIMMER CURVE LINEAR<br>146–150 DIMMER CURVE SQUARE LAW<br>151–155 DIMMER CURVE INV SQUARE LAW<br>156–160 DIMMER CURVE S-CURVE<br>161–165 1200Hz<br>166–170 2400Hz<br>171–175 4000Hz<br>176–180 6000Hz<br>181–185 25000Hz<br>186–200 RESERVED<br>201–205 ALL RESET<br>206–210 XY RESET<br>211–215 ZOOM RESET<br>216–255 NO FUNCTION |

## TOUR (18 CH)

18 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<br>64–127 stop rotation by shortcut<br>128–189 Forwards Pan rotation from fast to slow<br>190–193 No rotation<br>194–255 Backwards Pan rotation from slow to fast |
| **7** | Red | 255 | |
| **8** | Green | 255 | |
| **9** | Blue | 255 | |
| **10** | White | 0 | |
| **11** | Color Add RY | 0 | |
| **12** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **13** | Shutter / Strobe | 0 | 0–9 Open<br>10–99 Strobe<br>100–109 Open<br>110–179 Lightning Strobe<br>180–189 Open<br>190–255 Random Strobe |

## TOUR (18 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Color Wheel | 0 | 0–15 WHITE (wheel slot 1)<br>16–20 R40 (wheel slot 2)<br>21–25 L24 (wheel slot 3)<br>26–40 L164 (wheel slot 4)<br>41–49 L08 (wheel slot 5)<br>50–59 L25 (wheel slot 6)<br>60–64 L237 (wheel slot 7)<br>65–69 R321 (wheel slot 8)<br>70–79 L652 (wheel slot 9)<br>80–84 L765 (wheel slot 10)<br>85–109 L513 (wheel slot 11)<br>110–119 L90 (wheel slot 12)<br>120–132 R92 (wheel slot 13)<br>133–142 L728 (wheel slot 14)<br>143–149 L117 (wheel slot 15)<br>150–159 L354 (wheel slot 16)<br>160–164 L501 (wheel slot 17)<br>165–183 L174 (wheel slot 18)<br>184–194 L142 (wheel slot 19)<br>195–204 L794 (wheel slot 20)<br>205–214 L328 (wheel slot 21)<br>215–224 L127 (wheel slot 22)<br>225–235 L192 (wheel slot 23)<br>236–244 L157 (wheel slot 24)<br>245–255 R332 (wheel slot 25) |
| **15** | C TC | 0 | 0–9 No Function<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| **16** | C RIMode | 0 | |
| **17** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |

### TOUR (18 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Control1 | 0 | 0–10 No Function<br>11–15 P/T Black On<br>16–20 P/T Black Off<br>21–25 Pan Invert On<br>26–30 Tilt Invert On<br>31–35 P/T Invert Off<br>36–40 PAN DEGREE 630<br>41–45 PAN DEGREE 540<br>46–100 RESERVED<br>101–105 STUDIO<br>106–110 POWER<br>111–115 LIVE<br>116–130 RESERVED<br>131–135 DIMMER SPEED Halogen<br>136–140 DIMMER SPEED LED<br>141–145 DIMMER CURVE LINEAR<br>146–150 DIMMER CURVE SQUARE LAW<br>151–155 DIMMER CURVE INV SQUARE LAW<br>156–160 DIMMER CURVE S-CURVE<br>161–165 1200Hz<br>166–170 2400Hz<br>171–175 4000Hz<br>176–180 6000Hz<br>181–185 25000Hz<br>186–200 RESERVED<br>201–205 ALL RESET<br>206–210 XY RESET<br>211–215 ZOOM RESET<br>216–255 NO FUNCTION |

## Pixel(23 CH)

23 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<br>64–127 stop rotation by shortcut<br>128–189 Forwards Pan rotation from fast to slow<br>190–193 No rotation<br>194–255 Backwards Pan rotation from slow to fast |
| **7** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |

## Pixel(23 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Control1 | 0 | 0–10 No Function<br>11–15 P/T Black On<br>16–20 P/T Black Off<br>21–25 Pan Invert On<br>26–30 Tilt Invert On<br>31–35 P/T Invert Off<br>36–40 PAN DEGREE 630<br>41–45 PAN DEGREE 540<br>46–100 RESERVED<br>101–105 STUDIO<br>106–110 POWER<br>111–115 LIVE<br>116–130 RESERVED<br>131–135 DIMMER SPEED Halogen<br>136–140 DIMMER SPEED LED<br>141–145 DIMMER CURVE LINEAR<br>146–150 DIMMER CURVE SQUARE LAW<br>151–155 DIMMER CURVE INV SQUARE LAW<br>156–160 DIMMER CURVE S-CURVE<br>161–165 1200Hz<br>166–170 2400Hz<br>171–175 4000Hz<br>176–180 6000Hz<br>181–185 25000Hz<br>186–200 RESERVED<br>201–205 ALL RESET<br>206–210 XY RESET<br>211–215 ZOOM RESET<br>216–255 NO FUNCTION |
| **9** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **10** | Shutter / Strobe | 0 | 0–9 Open<br>10–99 Strobe<br>100–109 Open<br>110–179 Lightning Strobe<br>180–189 Open<br>190–255 Random Strobe |
| **11** | Color Wheel | 0 | 0–15 WHITE (wheel slot 1)<br>16–20 R40 (wheel slot 2)<br>21–25 L24 (wheel slot 3)<br>26–40 L164 (wheel slot 4)<br>41–49 L08 (wheel slot 5)<br>50–59 L25 (wheel slot 6)<br>60–64 L237 (wheel slot 7)<br>65–69 R321 (wheel slot 8)<br>70–79 L652 (wheel slot 9)<br>80–84 L765 (wheel slot 10)<br>85–109 L513 (wheel slot 11)<br>110–119 L90 (wheel slot 12)<br>120–132 R92 (wheel slot 13)<br>133–142 L728 (wheel slot 14)<br>143–149 L117 (wheel slot 15)<br>150–159 L354 (wheel slot 16)<br>160–164 L501 (wheel slot 17)<br>165–183 L174 (wheel slot 18)<br>184–194 L142 (wheel slot 19)<br>195–204 L794 (wheel slot 20)<br>205–214 L328 (wheel slot 21)<br>215–224 L127 (wheel slot 22)<br>225–235 L192 (wheel slot 23)<br>236–244 L157 (wheel slot 24)<br>245–255 R332 (wheel slot 25) |

### Pixel(23 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 12 | C TC | 0 | 0–9 No Function<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| 13 | C RIMode | 0 | |
| 14 | Red | 255 | |
| 15 | Green | 255 | |
| 16 | Blue | 255 | |
| 17 | White | 0 | |
| 18 | Color Add RY | 0 | |
| 19 | Red | 0 | |
| 20 | Green | 0 | 0–254 MI<br>255–255 MAX |
| 21 | Blue | 0 | |
| 22 | White | 0 | |
| 23 | Color Add RY | 0 | |

## TR16 (24 CH)

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 | |
| 6 | Pan Rotate | 0 | 0–63 stop rotation by spinout<br>64–127 stop rotation by shortcut<br>128–189 Forwards Pan rotation from fast to slow<br>190–193 No rotation<br>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 | White | 0 | |
| 14 | White Fine | 0 | Fine byte of White |
| 15 | Color Add RY | 0 | |
| 16 | Color Add RY Fine | 0 | Fine byte of Color Add RY |

## TR16 (24 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **17** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **18** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **19** | Shutter / Strobe | 0 | 0–9 Open<br>10–99 Strobe<br>100–109 Open<br>110–179 Lightning Strobe<br>180–189 Open<br>190–255 Random Strobe |
| **20** | Color Wheel | 0 | 0–15 WHITE (wheel slot 1)<br>16–20 R40 (wheel slot 2)<br>21–25 L24 (wheel slot 3)<br>26–40 L164 (wheel slot 4)<br>41–49 L08 (wheel slot 5)<br>50–59 L25 (wheel slot 6)<br>60–64 L237 (wheel slot 7)<br>65–69 R321 (wheel slot 8)<br>70–79 L652 (wheel slot 9)<br>80–84 L765 (wheel slot 10)<br>85–109 L513 (wheel slot 11)<br>110–119 L90 (wheel slot 12)<br>120–132 R92 (wheel slot 13)<br>133–142 L728 (wheel slot 14)<br>143–149 L117 (wheel slot 15)<br>150–159 L354 (wheel slot 16)<br>160–164 L501 (wheel slot 17)<br>165–183 L174 (wheel slot 18)<br>184–194 L142 (wheel slot 19)<br>195–204 L794 (wheel slot 20)<br>205–214 L328 (wheel slot 21)<br>215–224 L127 (wheel slot 22)<br>225–235 L192 (wheel slot 23)<br>236–244 L157 (wheel slot 24)<br>245–255 R332 (wheel slot 25) |
| **21** | C TC | 0 | 0–9 No Function<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| **22** | C RIMode | 0 | |
| **23** | Zoom | 128 | 0–127 Narrow<br>128–254 Mid<br>255–255 Wide |

## TR16 (24 CH) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Control1 | 0 | 0–10 No Function<br>11–15 P/T Black On<br>16–20 P/T Black Off<br>21–25 Pan Invert On<br>26–30 Tilt Invert On<br>31–35 P/T Invert Off<br>36–40 PAN DEGREE 630<br>41–45 PAN DEGREE 540<br>46–100 RESERVED<br>101–105 STUDIO<br>106–110 POWER<br>111–115 LIVE<br>116–130 RESERVED<br>131–135 DIMMER SPEED Halogen<br>136–140 DIMMER SPEED LED<br>141–145 DIMMER CURVE LINEAR<br>146–150 DIMMER CURVE SQUARE LAW<br>151–155 DIMMER CURVE INV SQUARE LAW<br>156–160 DIMMER CURVE S-CURVE<br>161–165 1200Hz<br>166–170 2400Hz<br>171–175 4000Hz<br>176–180 6000Hz<br>181–185 25000Hz<br>186–200 RESERVED<br>201–205 ALL RESET<br>206–210 XY RESET<br>211–215 ZOOM RESET<br>216–255 NO FUNCTION |