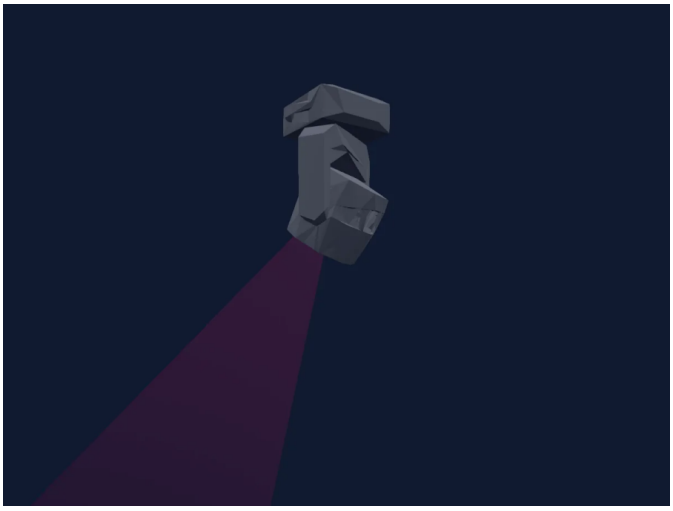
Ayrton

# Nando 502



| | |
|---|---|
| Manufacturer | **Ayrton** |
| Type | **Moving head** |
| DMX modes | **6** |
| DMX footprint | **26, 37, 38, 46 channels** |
| Beam angle | **3.5-65°** |
| Pan range | **542.12°** |
| Tilt range | **232.9°** |
| Heads / cells | **5** |
| Size (W × H × D) | **264 × 235 × 264 mm** |
| GDTF fixture type | **BEFB13BF-8627-49D2-9AE3-68…** |

## Controls

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

## Safety-relevant functions

Haze or smoke output · Lamp on and off · Fixture reset · Service functions

## DMX modes

| | |
|---|---|
| Basic | 26 ch |
| Standard | 37 ch |
| Extended Pixel 1U | 38 ch |
| Extended Pixel 2U | 38 ch |
| Extended Ring 2U | 38 ch |
| Extended Ring 1U | 46 ch |

## Basic

26 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 MSpeed | 0 | 0–225 Max to Min Speed<br>226–235 Blackout by movement<br>236–255 No Fonction |
| 6 | No Feature | 0 | |
| 7 | No Feature Fine | 0 | Fine byte of No Feature |
| 8 | Red | 255 | |
| 9 | Red Fine | 255 | Fine byte of Red |
| 10 | Green | 255 | |
| 11 | Green Fine | 255 | Fine byte of Green |
| 12 | Blue | 255 | |
| 13 | Blue Fine | 255 | Fine byte of Blue |
| 14 | Color Add GY | 255 | |
| 15 | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| 16 | Shutter / Strobe | 32 | 0–31 Led OFF<br>32–63 Led ON<br>64–75 Strobe slow<br>76–94 Strobe Mid<br>95–95 Strobe Fast<br>96–127 LED ON<br>128–142 Pulse Slow<br>143–158 Pulse Mid<br>159–159 Pulse Fast<br>160–191 LED ON 1<br>192–199 Random Slow<br>200–222 Random Mid<br>223–223 Random Fast<br>224–255 LED ON 2 |
| 17 | Dimmer | 255 | |
| 18 | Dimmer Fine | 254 | Fine byte of Dimmer |
| 19 | C TC | 0 | 0–9 RGBL<br>10–21 RGB<br>22–255 CTC |

## Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Color Wheel | 0 | 0–2 Open (wheel slot 1)<br>3–3 LAVENDER TINT (wheel slot 2)<br>4–6 MEDIUM BASTARD AMBER (wheel slot 3)<br>7–7 PALE YELLOW (wheel slot 4)<br>8–8 DARK SALMON (wheel slot 5)<br>9–9 PALE AMBER GOLD (wheel slot 6)<br>10–12 MEDIUM YELLOW (wheel slot 7)<br>13–14 STRAW TINT (wheel slot 8)<br>15–16 DEEP STRAW (wheel slot 9)<br>17–19 SURPRISE PEACH (wheel slot 10)<br>20–20 MEDIUM AMBER (wheel slot 11)<br>21–21 GOLD AMBER (wheel slot 12)<br>22–23 DARK AMBER (wheel slot 13)<br>24–24 SCARLET (wheel slot 14)<br>25–25 SUNSET RED (wheel slot 15)<br>26–28 BRIGHT RED (wheel slot 16)<br>29–34 PALSA RED (wheel slot 17)<br>35–35 LIGHT PINK (wheel slot 18)<br>36–45 MEDIUM PINK (wheel slot 19)<br>46–47 DARK MAGENTA (wheel slot 20)<br>48–51 DARK PURPLE (wheel slot 21)<br>52–52 LIGHT LAVENDER (wheel slot 22)<br>53–57 PALE LAVENDER (wheel slot 23)<br>58–62 LAVENDER (wheel slot 24)<br>63–67 PALE BLUE (wheel slot 25)<br>68–70 SKY BLUE (wheel slot 26)<br>71–74 TOKIO BLUE (wheel slot 27)<br>75–78 EVENING BLUE (wheel slot 28)<br>79–84 JUST BLUE (wheel slot 29)<br>85–87 DEEPER BLUE (wheel slot 30)<br>88–88 LIME GREEN (wheel slot 31)<br>89–89 MOSS GREEN (wheel slot 32)<br>90–99 DARKYELLOW GREEN (wheel slot 33)<br>100–100 SPRING YELLOW (wheel slot 34)<br>101–101 YELLOW (wheel slot 35)<br>102–102 LIGHT AMBER (wheel slot 36)<br>103–103 STRAW (wheel slot 37)<br>104–104 DEEP AMBER (wheel slot 38)<br>105–105 ORANGE (wheel slot 39)<br>106–106 PRIMAY RED (wheel slot 40)<br>107–107 LIGHT ROSE (wheel slot 41)<br>108–108 ENGLISH ROSE (wheel slot 42)<br>109–109 LIGHT SALMON (wheel slot 43)<br>110–110 MIDDLE ROSE (wheel slot 44)<br>111–112 DARK PINK (wheel slot 45)<br>113–115 MAGENTA (wheel slot 46)<br>116–117 MEDIUM BLUE GREEN (wheel slot 47)<br>118–118 LIGHT BLUE (wheel slot 48)<br>119–119 DARK BLUE (wheel slot 49)<br>120–123 DEEP BLUE (wheel slot 50)<br>124–125 DARK GREEN (wheel slot 51)<br>126–126 MAUVE (wheel slot 52)<br>127–127 SMOKEY PINK (wheel slot 53)<br>128–131 BRIGHT PINK (wheel slot 54)<br>132–133 MEDIUM BLUE (wheel slot 55)<br>134–135 GOLDEN AMBER (wheel slot 56)<br>136–136 PALE LAVENDER 1 (wheel slot 57)<br>137–137 SPECIAL LAVENDER (wheel slot 58)<br>138–138 PALE GREEN (wheel slot 59)<br>139–139 PRIMARY GREEN (wheel slot 60)<br>140–140 SUMMER BLUE (wheel slot 61)<br>141–141 BRIGHT BLUE (wheel slot 62)<br>142–142 PALE VIOLET (wheel slot 63)<br>143–146 PALE NAVY BLUE (wheel slot 64) |

### Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 21 | Color Mix Mode | 0 | 0–0 Output controled by RGBW values<br>1–254 Cross fade between RGBW settings and Color preset ...<br>255–255 Output controled by color preset values |
| 22 | Color Crossfade Speed | 0 | |
| 23 | Zoom | 0 | |
| 24 | Zoom Fine | 0 | Fine byte of Zoom |
| 25 | Tint | 127 | 0–0 Tint Off<br>1–255 Tint |
| 26 | Control1 | 0 | 5–9 Display Off<br>10–14 Display On<br>15–19 Display Inv Off<br>20–24 Display Inv On<br>25–26 Auto Fan<br>27–28 Stage Fan<br>29–30 Silence Fan<br>31–32 Super Silence Fan<br>33–34 Constant Fan OFF<br>35–44 Constant Fan ON<br>45–49 Square Law<br>50–54 Linear<br>55–57 1200 Hz<br>58–60 2400 Hz<br>61–63 16000 Hz<br>64–69 25000 Hz<br>70–71 Lamp 500W<br>72–73 Lamp 1000W<br>74–75 Lamp 2500W<br>76–77 Lamp 5000W<br>78–79 Lamp OFF<br>80–84 All Motor Reset<br>85–87 P/T Motor Reset<br>88–90 ZoomMotor Reset<br>91–93 Pixel Rotation 0<br>94–96 Pixel Rotation 90<br>97–99 Pixel Rotation 180<br>100–105 Pixel Rotation 270<br>106–108 fog fan off<br>109–111 fog fan auto<br>112–114 fog fan on<br>115–117 CTC Channel RGB<br>118–255 CTC Channel RGBL |

## Standard

37 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 MSpeed | 0 | 0–225 Max to Min Speed<br>226–235 Blackout by movement<br>236–255 No Fonction |
| 6 | No Feature | 0 | |
| 7 | No Feature Fine | 0 | Fine byte of No Feature |
| 8 | Red | 255 | |
| 9 | Red Fine | 255 | Fine byte of Red |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Green | 255 | |
| **11** | Green Fine | 255 | Fine byte of Green |
| **12** | Blue | 255 | |
| **13** | Blue Fine | 255 | Fine byte of Blue |
| **14** | Color Add GY | 255 | |
| **15** | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| **16** | Shutter / Strobe | 32 | 0–31 Led OFF<br>32–63 Led ON<br>64–75 Strobe slow<br>76–94 Strobe Mid<br>95–95 Strobe Fast<br>96–127 LED ON<br>128–142 Pulse Slow<br>143–158 Pulse Mid<br>159–159 Pulse Fast<br>160–191 LED ON 1<br>192–199 Random Slow<br>200–222 Random Mid<br>223–223 Random Fast<br>224–255 LED ON 2 |
| **17** | Dimmer | 0 | |
| **18** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **19** | C TC | 0 | 0–9 RGBL<br>10–21 RGB<br>22–255 CTC |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Color Wheel | 0 | 0–2 Open (wheel slot 1)<br>3–3 LAVENDER TINT (wheel slot 2)<br>4–6 MEDIUM BASTARD AMBER (wheel slot 3)<br>7–7 PALE YELLOW (wheel slot 4)<br>8–8 DARK SALMON (wheel slot 5)<br>9–9 PALE AMBER GOLD (wheel slot 6)<br>10–12 MEDIUM YELLOW (wheel slot 7)<br>13–14 STRAW TINT (wheel slot 8)<br>15–16 DEEP STRAW (wheel slot 9)<br>17–19 SURPRISE PEACH (wheel slot 10)<br>20–20 MEDIUM AMBER (wheel slot 11)<br>21–21 GOLD AMBER (wheel slot 12)<br>22–23 DARK AMBER (wheel slot 13)<br>24–24 SCARLET (wheel slot 14)<br>25–25 SUNSET RED (wheel slot 15)<br>26–28 BRIGHT RED (wheel slot 16)<br>29–34 PALSA RED (wheel slot 17)<br>35–35 LIGHT PINK (wheel slot 18)<br>36–45 MEDIUM PINK (wheel slot 19)<br>46–47 DARK MAGENTA (wheel slot 20)<br>48–51 DARK PURPLE (wheel slot 21)<br>52–52 LIGHT LAVENDER (wheel slot 22)<br>53–57 PALE LAVENDER (wheel slot 23)<br>58–62 LAVENDER (wheel slot 24)<br>63–67 PALE BLUE (wheel slot 25)<br>68–70 SKY BLUE (wheel slot 26)<br>71–74 TOKIO BLUE (wheel slot 27)<br>75–78 EVENING BLUE (wheel slot 28)<br>79–84 JUST BLUE (wheel slot 29)<br>85–87 DEEPER BLUE (wheel slot 30)<br>88–88 LIME GREEN (wheel slot 31)<br>89–89 MOSS GREEN (wheel slot 32)<br>90–99 DARKYELLOW GREEN (wheel slot 33)<br>100–100 SPRING YELLOW (wheel slot 34)<br>101–101 YELLOW (wheel slot 35)<br>102–102 LIGHT AMBER (wheel slot 36)<br>103–103 STRAW (wheel slot 37)<br>104–104 DEEP AMBER (wheel slot 38)<br>105–105 ORANGE (wheel slot 39)<br>106–106 PRIMAY RED (wheel slot 40)<br>107–107 LIGHT ROSE (wheel slot 41)<br>108–108 ENGLISH ROSE (wheel slot 42)<br>109–109 LIGHT SALMON (wheel slot 43)<br>110–110 MIDDLE ROSE (wheel slot 44)<br>111–112 DARK PINK (wheel slot 45)<br>113–115 MAGENTA (wheel slot 46)<br>116–117 MEDIUM BLUE GREEN (wheel slot 47)<br>118–118 LIGHT BLUE (wheel slot 48)<br>119–119 DARK BLUE (wheel slot 49)<br>120–123 DEEP BLUE (wheel slot 50)<br>124–125 DARK GREEN (wheel slot 51)<br>126–126 MAUVE (wheel slot 52)<br>127–127 SMOKEY PINK (wheel slot 53)<br>128–131 BRIGHT PINK (wheel slot 54)<br>132–133 MEDIUM BLUE (wheel slot 55)<br>134–135 GOLDEN AMBER (wheel slot 56)<br>136–136 PALE LAVENDER 1 (wheel slot 57)<br>137–137 SPECIAL LAVENDER (wheel slot 58)<br>138–138 PALE GREEN (wheel slot 59)<br>139–139 PRIMARY GREEN (wheel slot 60)<br>140–140 SUMMER BLUE (wheel slot 61)<br>141–141 BRIGHT BLUE (wheel slot 62)<br>142–142 PALE VIOLET (wheel slot 63)<br>143–146 PALE NAVY BLUE (wheel slot 64) |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Color Mix Mode | 0 | 0–0 Output controled by RGBW values<br>1–254 Cross fade between RGBW settings and Color preset ...<br>255–255 Output controled by color preset values |
| **22** | Color Crossfade Speed | 0 | |
| **23** | Zoom | 0 | |
| **24** | Zoom Fine | 0 | Fine byte of Zoom |
| **25** | Tint | 127 | 0–0 Tint Off<br>1–255 Tint |
| **26** | Control1 | 0 | 5–9 Display Off<br>10–14 Display On<br>15–19 Display Inv Off<br>20–24 Display Inv On<br>25–26 Auto Fan<br>27–28 Stage Fan<br>29–30 Silence Fan<br>31–32 Super Silence Fan<br>33–34 Constant Fan OFF<br>35–44 Constant Fan ON<br>45–49 Square Law<br>50–54 Linear<br>55–57 1200 Hz<br>58–60 2400 Hz<br>61–63 16000 Hz<br>64–69 25000 Hz<br>70–71 Lamp 500W<br>72–73 Lamp 1000W<br>74–75 Lamp 2500W<br>76–77 Lamp 5000W<br>78–79 Lamp OFF<br>80–84 All Motor Reset<br>85–87 P/T Motor Reset<br>88–90 ZoomMotor Reset<br>91–93 Pixel Rotation 0<br>94–96 Pixel Rotation 90<br>97–99 Pixel Rotation 180<br>100–105 Pixel Rotation 270<br>106–108 fog fan off<br>109–111 fog fan auto<br>112–114 fog fan on<br>115–117 CTC Channel RGB<br>118–255 CTC Channel RGBL |

### Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Chase Patterns | 0 | 0–9 Chse OFF<br>10–14 Chase 1<br>15–19 Chase 2<br>20–24 Chase 3<br>25–29 Chase 4<br>30–34 Chase 5<br>35–39 Chase 6<br>40–44 Chase 7<br>45–49 Chase 8<br>50–54 Chase 9<br>55–59 Chase 10<br>60–64 Chase 11<br>65–69 Chase 12<br>70–74 Chase 13<br>75–79 Chase 14<br>80–84 Chase 15<br>85–89 Chase 16<br>90–94 Chase 17<br>95–99 Chase 18<br>100–104 Chase 19<br>105–109 Chase 20<br>110–114 Chase 21<br>115–119 Chase 22<br>120–255 NoFeature 1 |
| **28** | Chase Speed | 0 | 0–125 Fast to Slow Backward<br>126–130 Empty Channel Set<br>131–255 Slow to Fast Forward |
| **29** | Chase Fade | 0 | |
| **30** | Chase Size | 0 | |
| **31** | Red | 255 | |
| **32** | Green | 255 | |
| **33** | Blue | 255 | |
| **34** | Color Add GY | 255 | |
| **35** | Dimmer | 0 | |
| **36** | Back Chase Dimmer | 0 | |
| **37** | Shutter / Strobe 2 | 32 | 0–31 Chase dimmer OFF<br>32–63 Chase Dimmer ON<br>64–95 Shutter1Strobe 3<br>96–127 NoFeature 4<br>128–159 Shutter1StrobePulse 5<br>160–191 NoFeature 6<br>192–223 Shutter1StrobeRandom 7<br>224–255 NoFeature 8 |

## Extended Pixel 1U

38 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 MSpeed | 0 | 0–225 Max to Min Speed<br>226–235 Blackout by movement<br>236–255 No Fonction |
| **6** | No Feature | 0 | |

## Extended Pixel 1U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | No Feature Fine | 0 | Fine byte of No Feature |
| **8** | Red | 255 | |
| **9** | Red Fine | 255 | Fine byte of Red |
| **10** | Green | 255 | |
| **11** | Green Fine | 255 | Fine byte of Green |
| **12** | Blue | 255 | |
| **13** | Blue Fine | 255 | Fine byte of Blue |
| **14** | Color Add GY | 255 | |
| **15** | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| **16** | Shutter / Strobe | 32 | 0–31 Led OFF<br>32–63 Led ON<br>64–75 Strobe slow<br>76–94 Strobe Mid<br>95–95 Strobe Fast<br>96–127 LED ON<br>128–142 Pulse Slow<br>143–158 Pulse Mid<br>159–159 Pulse Fast<br>160–191 LED ON 1<br>192–199 Random Slow<br>200–222 Random Mid<br>223–223 Random Fast<br>224–255 LED ON 2 |
| **17** | Dimmer | 0 | |
| **18** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **19** | C TC | 0 | 0–9 RGBL<br>10–21 RGB<br>22–255 CTC |

## Extended Pixel 1U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Color Wheel | 0 | 0–2 Open (wheel slot 1)<br>3–3 LAVENDER TINT (wheel slot 2)<br>4–6 MEDIUM BASTARD AMBER (wheel slot 3)<br>7–7 PALE YELLOW (wheel slot 4)<br>8–8 DARK SALMON (wheel slot 5)<br>9–9 PALE AMBER GOLD (wheel slot 6)<br>10–12 MEDIUM YELLOW (wheel slot 7)<br>13–14 STRAW TINT (wheel slot 8)<br>15–16 DEEP STRAW (wheel slot 9)<br>17–19 SURPRISE PEACH (wheel slot 10)<br>20–20 MEDIUM AMBER (wheel slot 11)<br>21–21 GOLD AMBER (wheel slot 12)<br>22–23 DARK AMBER (wheel slot 13)<br>24–24 SCARLET (wheel slot 14)<br>25–25 SUNSET RED (wheel slot 15)<br>26–28 BRIGHT RED (wheel slot 16)<br>29–34 PALSA RED (wheel slot 17)<br>35–35 LIGHT PINK (wheel slot 18)<br>36–45 MEDIUM PINK (wheel slot 19)<br>46–47 DARK MAGENTA (wheel slot 20)<br>48–51 DARK PURPLE (wheel slot 21)<br>52–52 LIGHT LAVENDER (wheel slot 22)<br>53–57 PALE LAVENDER (wheel slot 23)<br>58–62 LAVENDER (wheel slot 24)<br>63–67 PALE BLUE (wheel slot 25)<br>68–70 SKY BLUE (wheel slot 26)<br>71–74 TOKIO BLUE (wheel slot 27)<br>75–78 EVENING BLUE (wheel slot 28)<br>79–84 JUST BLUE (wheel slot 29)<br>85–87 DEEPER BLUE (wheel slot 30)<br>88–88 LIME GREEN (wheel slot 31)<br>89–89 MOSS GREEN (wheel slot 32)<br>90–99 DARKYELLOW GREEN (wheel slot 33)<br>100–100 SPRING YELLOW (wheel slot 34)<br>101–101 YELLOW (wheel slot 35)<br>102–102 LIGHT AMBER (wheel slot 36)<br>103–103 STRAW (wheel slot 37)<br>104–104 DEEP AMBER (wheel slot 38)<br>105–105 ORANGE (wheel slot 39)<br>106–106 PRIMAY RED (wheel slot 40)<br>107–107 LIGHT ROSE (wheel slot 41)<br>108–108 ENGLISH ROSE (wheel slot 42)<br>109–109 LIGHT SALMON (wheel slot 43)<br>110–110 MIDDLE ROSE (wheel slot 44)<br>111–112 DARK PINK (wheel slot 45)<br>113–115 MAGENTA (wheel slot 46)<br>116–117 MEDIUM BLUE GREEN (wheel slot 47)<br>118–118 LIGHT BLUE (wheel slot 48)<br>119–119 DARK BLUE (wheel slot 49)<br>120–123 DEEP BLUE (wheel slot 50)<br>124–125 DARK GREEN (wheel slot 51)<br>126–126 MAUVE (wheel slot 52)<br>127–127 SMOKEY PINK (wheel slot 53)<br>128–131 BRIGHT PINK (wheel slot 54)<br>132–133 MEDIUM BLUE (wheel slot 55)<br>134–135 GOLDEN AMBER (wheel slot 56)<br>136–136 PALE LAVENDER 1 (wheel slot 57)<br>137–137 SPECIAL LAVENDER (wheel slot 58)<br>138–138 PALE GREEN (wheel slot 59)<br>139–139 PRIMARY GREEN (wheel slot 60)<br>140–140 SUMMER BLUE (wheel slot 61)<br>141–141 BRIGHT BLUE (wheel slot 62)<br>142–142 PALE VIOLET (wheel slot 63)<br>143–146 PALE NAVY BLUE (wheel slot 64) |

## Extended Pixel 1U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Color Mix Mode | 0 | 0–0 Output controled by RGBW values<br>1–254 Cross fade between RGBW settings and Color preset ...<br>255–255 Output controled by color preset values |
| **22** | Color Crossfade Speed | 0 | |
| **23** | Zoom | 0 | |
| **24** | Zoom Fine | 0 | Fine byte of Zoom |
| **25** | Tint | 127 | 0–0 Tint Off<br>1–255 Tint |
| **26** | Control1 | 0 | 5–9 Display Off<br>10–14 Display On<br>15–19 Display Inv Off<br>20–24 Display Inv On<br>25–26 Auto Fan<br>27–28 Stage Fan<br>29–30 Silence Fan<br>31–32 Super Silence Fan<br>33–34 Constant Fan OFF<br>35–44 Constant Fan ON<br>45–49 Square Law<br>50–54 Linear<br>55–57 1200 Hz<br>58–60 2400 Hz<br>61–63 16000 Hz<br>64–69 25000 Hz<br>70–71 Lamp 500W<br>72–73 Lamp 1000W<br>74–75 Lamp 2500W<br>76–77 Lamp 5000W<br>78–79 Lamp OFF<br>80–84 All Motor Reset<br>85–87 P/T Motor Reset<br>88–90 ZoomMotor Reset<br>91–93 Pixel Rotation 0<br>94–96 Pixel Rotation 90<br>97–99 Pixel Rotation 180<br>100–105 Pixel Rotation 270<br>106–108 fog fan off<br>109–111 fog fan auto<br>112–114 fog fan on<br>115–117 CTC Channel RGB<br>118–255 CTC Channel RGBL |

### Extended Pixel 1U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Chase Patterns | 0 | 0–9 Chse OFF<br>10–14 Chase 1<br>15–19 Chase 2<br>20–24 Chase 3<br>25–29 Chase 4<br>30–34 Chase 5<br>35–39 Chase 6<br>40–44 Chase 7<br>45–49 Chase 8<br>50–54 Chase 9<br>55–59 Chase 10<br>60–64 Chase 11<br>65–69 Chase 12<br>70–74 Chase 13<br>75–79 Chase 14<br>80–84 Chase 15<br>85–89 Chase 16<br>90–94 Chase 17<br>95–99 Chase 18<br>100–104 Chase 19<br>105–109 Chase 20<br>110–114 Chase 21<br>115–119 Chase 22<br>120–255 NoFeature 1 |
| **28** | Chase Speed | 0 | 0–125 Fast to Slow Backward<br>126–130 Empty Channel Set<br>131–255 Slow to Fast Forward |
| **29** | Chase Fade | 0 | |
| **30** | Chase Size | 0 | |
| **31** | Red | 255 | |
| **32** | Green | 255 | |
| **33** | Blue | 255 | |
| **34** | Color Add GY | 255 | |
| **35** | Dimmer | 0 | |
| **36** | Back Chase Dimmer | 0 | |
| **37** | Shutter / Strobe 2 | 32 | 0–31 Chase dimmer OFF<br>32–63 Chase Dimmer ON<br>64–95 Shutter1Strobe 3<br>96–127 NoFeature 4<br>128–159 Shutter1StrobePulse 5<br>160–191 NoFeature 6<br>192–223 Shutter1StrobeRandom 7<br>224–255 NoFeature 8 |
| **38** | Led Control | 128 | 0–127 Full Control<br>128–254 Middle<br>255–255 Pixel Control |

## Extended Pixel 2U

38 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 |

## Extended Pixel 2U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Position MSpeed | 0 | 0–225 Max to Min Speed<br>226–235 Blackout by movement<br>236–255 No Fonction |
| **6** | No Feature | 0 | |
| **7** | No Feature Fine | 0 | Fine byte of No Feature |
| **8** | Red | 255 | |
| **9** | Red Fine | 255 | Fine byte of Red |
| **10** | Green | 255 | |
| **11** | Green Fine | 255 | Fine byte of Green |
| **12** | Blue | 255 | |
| **13** | Blue Fine | 255 | Fine byte of Blue |
| **14** | Color Add GY | 255 | |
| **15** | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| **16** | Shutter / Strobe | 32 | 0–31 Led OFF<br>32–63 Led ON<br>64–75 Strobe slow<br>76–94 Strobe Mid<br>95–95 Strobe Fast<br>96–127 LED ON<br>128–142 Pulse Slow<br>143–158 Pulse Mid<br>159–159 Pulse Fast<br>160–191 LED ON 1<br>192–199 Random Slow<br>200–222 Random Mid<br>223–223 Random Fast<br>224–255 LED ON 2 |
| **17** | Dimmer | 0 | |
| **18** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **19** | C TC | 0 | 0–9 RGBL<br>10–21 RGB<br>22–255 CTC |

## Extended Pixel 2U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Color Wheel | 0 | 0–2 Open (wheel slot 1)<br>3–3 LAVENDER TINT (wheel slot 2)<br>4–6 MEDIUM BASTARD AMBER (wheel slot 3)<br>7–7 PALE YELLOW (wheel slot 4)<br>8–8 DARK SALMON (wheel slot 5)<br>9–9 PALE AMBER GOLD (wheel slot 6)<br>10–12 MEDIUM YELLOW (wheel slot 7)<br>13–14 STRAW TINT (wheel slot 8)<br>15–16 DEEP STRAW (wheel slot 9)<br>17–19 SURPRISE PEACH (wheel slot 10)<br>20–20 MEDIUM AMBER (wheel slot 11)<br>21–21 GOLD AMBER (wheel slot 12)<br>22–23 DARK AMBER (wheel slot 13)<br>24–24 SCARLET (wheel slot 14)<br>25–25 SUNSET RED (wheel slot 15)<br>26–28 BRIGHT RED (wheel slot 16)<br>29–34 PALSA RED (wheel slot 17)<br>35–35 LIGHT PINK (wheel slot 18)<br>36–45 MEDIUM PINK (wheel slot 19)<br>46–47 DARK MAGENTA (wheel slot 20)<br>48–51 DARK PURPLE (wheel slot 21)<br>52–52 LIGHT LAVENDER (wheel slot 22)<br>53–57 PALE LAVENDER (wheel slot 23)<br>58–62 LAVENDER (wheel slot 24)<br>63–67 PALE BLUE (wheel slot 25)<br>68–70 SKY BLUE (wheel slot 26)<br>71–74 TOKIO BLUE (wheel slot 27)<br>75–78 EVENING BLUE (wheel slot 28)<br>79–84 JUST BLUE (wheel slot 29)<br>85–87 DEEPER BLUE (wheel slot 30)<br>88–88 LIME GREEN (wheel slot 31)<br>89–89 MOSS GREEN (wheel slot 32)<br>90–99 DARKYELLOW GREEN (wheel slot 33)<br>100–100 SPRING YELLOW (wheel slot 34)<br>101–101 YELLOW (wheel slot 35)<br>102–102 LIGHT AMBER (wheel slot 36)<br>103–103 STRAW (wheel slot 37)<br>104–104 DEEP AMBER (wheel slot 38)<br>105–105 ORANGE (wheel slot 39)<br>106–106 PRIMAY RED (wheel slot 40)<br>107–107 LIGHT ROSE (wheel slot 41)<br>108–108 ENGLISH ROSE (wheel slot 42)<br>109–109 LIGHT SALMON (wheel slot 43)<br>110–110 MIDDLE ROSE (wheel slot 44)<br>111–112 DARK PINK (wheel slot 45)<br>113–115 MAGENTA (wheel slot 46)<br>116–117 MEDIUM BLUE GREEN (wheel slot 47)<br>118–118 LIGHT BLUE (wheel slot 48)<br>119–119 DARK BLUE (wheel slot 49)<br>120–123 DEEP BLUE (wheel slot 50)<br>124–125 DARK GREEN (wheel slot 51)<br>126–126 MAUVE (wheel slot 52)<br>127–127 SMOKEY PINK (wheel slot 53)<br>128–131 BRIGHT PINK (wheel slot 54)<br>132–133 MEDIUM BLUE (wheel slot 55)<br>134–135 GOLDEN AMBER (wheel slot 56)<br>136–136 PALE LAVENDER 1 (wheel slot 57)<br>137–137 SPECIAL LAVENDER (wheel slot 58)<br>138–138 PALE GREEN (wheel slot 59)<br>139–139 PRIMARY GREEN (wheel slot 60)<br>140–140 SUMMER BLUE (wheel slot 61)<br>141–141 BRIGHT BLUE (wheel slot 62)<br>142–142 PALE VIOLET (wheel slot 63)<br>143–146 PALE NAVY BLUE (wheel slot 64) |

## Extended Pixel 2U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Color Mix Mode | 0 | 0–0 Output controled by RGBW values<br>1–254 Cross fade between RGBW settings and Color preset ...<br>255–255 Output controled by color preset values |
| **22** | Color Crossfade Speed | 0 | |
| **23** | Zoom | 0 | |
| **24** | Zoom Fine | 0 | Fine byte of Zoom |
| **25** | Tint | 127 | 0–0 Tint Off<br>1–255 Tint |
| **26** | Control1 | 0 | 5–9 Display Off<br>10–14 Display On<br>15–19 Display Inv Off<br>20–24 Display Inv On<br>25–26 Auto Fan<br>27–28 Stage Fan<br>29–30 Silence Fan<br>31–32 Super Silence Fan<br>33–34 Constant Fan OFF<br>35–44 Constant Fan ON<br>45–49 Square Law<br>50–54 Linear<br>55–57 1200 Hz<br>58–60 2400 Hz<br>61–63 16000 Hz<br>64–69 25000 Hz<br>70–71 Lamp 500W<br>72–73 Lamp 1000W<br>74–75 Lamp 2500W<br>76–77 Lamp 5000W<br>78–79 Lamp OFF<br>80–84 All Motor Reset<br>85–87 P/T Motor Reset<br>88–90 ZoomMotor Reset<br>91–93 Pixel Rotation 0<br>94–96 Pixel Rotation 90<br>97–99 Pixel Rotation 180<br>100–105 Pixel Rotation 270<br>106–108 fog fan off<br>109–111 fog fan auto<br>112–114 fog fan on<br>115–117 CTC Channel RGB<br>118–255 CTC Channel RGBL |

### Extended Pixel 2U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Chase Patterns | 0 | 0–9 Chse OFF<br>10–14 Chase 1<br>15–19 Chase 2<br>20–24 Chase 3<br>25–29 Chase 4<br>30–34 Chase 5<br>35–39 Chase 6<br>40–44 Chase 7<br>45–49 Chase 8<br>50–54 Chase 9<br>55–59 Chase 10<br>60–64 Chase 11<br>65–69 Chase 12<br>70–74 Chase 13<br>75–79 Chase 14<br>80–84 Chase 15<br>85–89 Chase 16<br>90–94 Chase 17<br>95–99 Chase 18<br>100–104 Chase 19<br>105–109 Chase 20<br>110–114 Chase 21<br>115–119 Chase 22<br>120–255 NoFeature 1 |
| **28** | Chase Speed | 0 | 0–125 Fast to Slow Backward<br>126–130 Empty Channel Set<br>131–255 Slow to Fast Forward |
| **29** | Chase Fade | 0 | |
| **30** | Chase Size | 0 | |
| **31** | Red | 255 | |
| **32** | Green | 255 | |
| **33** | Blue | 255 | |
| **34** | Color Add GY | 255 | |
| **35** | Dimmer | 0 | |
| **36** | Back Chase Dimmer | 0 | |
| **37** | Shutter / Strobe 2 | 32 | 0–31 Chase dimmer OFF<br>32–63 Chase Dimmer ON<br>64–95 Shutter1Strobe 3<br>96–127 NoFeature 4<br>128–159 Shutter1StrobePulse 5<br>160–191 NoFeature 6<br>192–223 Shutter1StrobeRandom 7<br>224–255 NoFeature 8 |
| **38** | Led Control | 128 | 0–127 Full Control<br>128–254 Middle<br>255–255 Pixel Control |

## Extended Ring 2U

38 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 |

## Extended Ring 2U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 5 | Position MSpeed | 0 | 0–225 Max to Min Speed<br>226–235 Blackout by movement<br>236–255 No Fonction |
| 6 | No Feature | 0 | |
| 7 | No Feature Fine | 0 | Fine byte of No Feature |
| 8 | Red | 255 | |
| 9 | Red Fine | 255 | Fine byte of Red |
| 10 | Green | 255 | |
| 11 | Green Fine | 255 | Fine byte of Green |
| 12 | Blue | 255 | |
| 13 | Blue Fine | 255 | Fine byte of Blue |
| 14 | Color Add GY | 255 | |
| 15 | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| 16 | Shutter / Strobe | 32 | 0–31 Led OFF<br>32–63 Led ON<br>64–75 Strobe slow<br>76–94 Strobe Mid<br>95–95 Strobe Fast<br>96–127 LED ON<br>128–142 Pulse Slow<br>143–158 Pulse Mid<br>159–159 Pulse Fast<br>160–191 LED ON 1<br>192–199 Random Slow<br>200–222 Random Mid<br>223–223 Random Fast<br>224–255 LED ON 2 |
| 17 | Dimmer | 0 | |
| 18 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 19 | C TC | 0 | 0–9 RGBL<br>10–21 RGB<br>22–255 CTC |

## Extended Ring 2U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Color Wheel | 0 | 0–2 Open (wheel slot 1)<br>3–3 LAVENDER TINT (wheel slot 2)<br>4–6 MEDIUM BASTARD AMBER (wheel slot 3)<br>7–7 PALE YELLOW (wheel slot 4)<br>8–8 DARK SALMON (wheel slot 5)<br>9–9 PALE AMBER GOLD (wheel slot 6)<br>10–12 MEDIUM YELLOW (wheel slot 7)<br>13–14 STRAW TINT (wheel slot 8)<br>15–16 DEEP STRAW (wheel slot 9)<br>17–19 SURPRISE PEACH (wheel slot 10)<br>20–20 MEDIUM AMBER (wheel slot 11)<br>21–21 GOLD AMBER (wheel slot 12)<br>22–23 DARK AMBER (wheel slot 13)<br>24–24 SCARLET (wheel slot 14)<br>25–25 SUNSET RED (wheel slot 15)<br>26–28 BRIGHT RED (wheel slot 16)<br>29–34 PALSA RED (wheel slot 17)<br>35–35 LIGHT PINK (wheel slot 18)<br>36–45 MEDIUM PINK (wheel slot 19)<br>46–47 DARK MAGENTA (wheel slot 20)<br>48–51 DARK PURPLE (wheel slot 21)<br>52–52 LIGHT LAVENDER (wheel slot 22)<br>53–57 PALE LAVENDER (wheel slot 23)<br>58–62 LAVENDER (wheel slot 24)<br>63–67 PALE BLUE (wheel slot 25)<br>68–70 SKY BLUE (wheel slot 26)<br>71–74 TOKIO BLUE (wheel slot 27)<br>75–78 EVENING BLUE (wheel slot 28)<br>79–84 JUST BLUE (wheel slot 29)<br>85–87 DEEPER BLUE (wheel slot 30)<br>88–88 LIME GREEN (wheel slot 31)<br>89–89 MOSS GREEN (wheel slot 32)<br>90–99 DARKYELLOW GREEN (wheel slot 33)<br>100–100 SPRING YELLOW (wheel slot 34)<br>101–101 YELLOW (wheel slot 35)<br>102–102 LIGHT AMBER (wheel slot 36)<br>103–103 STRAW (wheel slot 37)<br>104–104 DEEP AMBER (wheel slot 38)<br>105–105 ORANGE (wheel slot 39)<br>106–106 PRIMAY RED (wheel slot 40)<br>107–107 LIGHT ROSE (wheel slot 41)<br>108–108 ENGLISH ROSE (wheel slot 42)<br>109–109 LIGHT SALMON (wheel slot 43)<br>110–110 MIDDLE ROSE (wheel slot 44)<br>111–112 DARK PINK (wheel slot 45)<br>113–115 MAGENTA (wheel slot 46)<br>116–117 MEDIUM BLUE GREEN (wheel slot 47)<br>118–118 LIGHT BLUE (wheel slot 48)<br>119–119 DARK BLUE (wheel slot 49)<br>120–123 DEEP BLUE (wheel slot 50)<br>124–125 DARK GREEN (wheel slot 51)<br>126–126 MAUVE (wheel slot 52)<br>127–127 SMOKEY PINK (wheel slot 53)<br>128–131 BRIGHT PINK (wheel slot 54)<br>132–133 MEDIUM BLUE (wheel slot 55)<br>134–135 GOLDEN AMBER (wheel slot 56)<br>136–136 PALE LAVENDER 1 (wheel slot 57)<br>137–137 SPECIAL LAVENDER (wheel slot 58)<br>138–138 PALE GREEN (wheel slot 59)<br>139–139 PRIMARY GREEN (wheel slot 60)<br>140–140 SUMMER BLUE (wheel slot 61)<br>141–141 BRIGHT BLUE (wheel slot 62)<br>142–142 PALE VIOLET (wheel slot 63)<br>143–146 PALE NAVY BLUE (wheel slot 64) |

## Extended Ring 2U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Color Mix Mode | 0 | 0–0 Output controled by RGBW values<br>1–254 Cross fade between RGBW settings and Color preset ...<br>255–255 Output controled by color preset values |
| **22** | Color Crossfade Speed | 0 | |
| **23** | Zoom | 0 | |
| **24** | Zoom Fine | 0 | Fine byte of Zoom |
| **25** | Tint | 127 | 0–0 Tint Off<br>1–255 Tint |
| **26** | Control1 | 0 | 5–9 Display Off<br>10–14 Display On<br>15–19 Display Inv Off<br>20–24 Display Inv On<br>25–26 Auto Fan<br>27–28 Stage Fan<br>29–30 Silence Fan<br>31–32 Super Silence Fan<br>33–34 Constant Fan OFF<br>35–44 Constant Fan ON<br>45–49 Square Law<br>50–54 Linear<br>55–57 1200 Hz<br>58–60 2400 Hz<br>61–63 16000 Hz<br>64–69 25000 Hz<br>70–71 Lamp 500W<br>72–73 Lamp 1000W<br>74–75 Lamp 2500W<br>76–77 Lamp 5000W<br>78–79 Lamp OFF<br>80–84 All Motor Reset<br>85–87 P/T Motor Reset<br>88–90 ZoomMotor Reset<br>91–93 Pixel Rotation 0<br>94–96 Pixel Rotation 90<br>97–99 Pixel Rotation 180<br>100–105 Pixel Rotation 270<br>106–108 fog fan off<br>109–111 fog fan auto<br>112–114 fog fan on<br>115–117 CTC Channel RGB<br>118–255 CTC Channel RGBL |

### Extended Ring 2U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Chase Patterns | 0 | 0–9 Chse OFF<br>10–14 Chase 1<br>15–19 Chase 2<br>20–24 Chase 3<br>25–29 Chase 4<br>30–34 Chase 5<br>35–39 Chase 6<br>40–44 Chase 7<br>45–49 Chase 8<br>50–54 Chase 9<br>55–59 Chase 10<br>60–64 Chase 11<br>65–69 Chase 12<br>70–74 Chase 13<br>75–79 Chase 14<br>80–84 Chase 15<br>85–89 Chase 16<br>90–94 Chase 17<br>95–99 Chase 18<br>100–104 Chase 19<br>105–109 Chase 20<br>110–114 Chase 21<br>115–119 Chase 22<br>120–255 NoFeature 1 |
| **28** | Chase Speed | 0 | 0–125 Fast to Slow Backward<br>126–130 Empty Channel Set<br>131–255 Slow to Fast Forward |
| **29** | Chase Fade | 0 | |
| **30** | Chase Size | 0 | |
| **31** | Red | 255 | |
| **32** | Green | 255 | |
| **33** | Blue | 255 | |
| **34** | Color Add GY | 255 | |
| **35** | Dimmer | 0 | |
| **36** | Back Chase Dimmer | 0 | |
| **37** | Shutter / Strobe 2 | 32 | 0–31 Chase dimmer OFF<br>32–63 Chase Dimmer ON<br>64–95 Shutter1Strobe 3<br>96–127 NoFeature 4<br>128–159 Shutter1StrobePulse 5<br>160–191 NoFeature 6<br>192–223 Shutter1StrobeRandom 7<br>224–255 NoFeature 8 |
| **38** | Led Control | 128 | 0–127 Full Control<br>128–254 Middle<br>255–255 Pixel Control |

## Extended Ring 1U

46 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 |

## Extended Ring 1U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 5 | Position MSpeed | 0 | 0–225 Max to Min Speed<br>226–235 Blackout by movement<br>236–255 No Fonction |
| 6 | No Feature | 0 | |
| 7 | No Feature Fine | 0 | Fine byte of No Feature |
| 8 | Red | 255 | |
| 9 | Red Fine | 255 | Fine byte of Red |
| 10 | Green | 255 | |
| 11 | Green Fine | 255 | Fine byte of Green |
| 12 | Blue | 255 | |
| 13 | Blue Fine | 255 | Fine byte of Blue |
| 14 | Color Add GY | 255 | |
| 15 | Color Add GY Fine | 255 | Fine byte of Color Add GY |
| 16 | Shutter / Strobe | 32 | 0–31 Led OFF<br>32–63 Led ON<br>64–75 Strobe slow<br>76–94 Strobe Mid<br>95–95 Strobe Fast<br>96–127 LED ON<br>128–142 Pulse Slow<br>143–158 Pulse Mid<br>159–159 Pulse Fast<br>160–191 LED ON 1<br>192–199 Random Slow<br>200–222 Random Mid<br>223–223 Random Fast<br>224–255 LED ON 2 |
| 17 | Dimmer | 0 | |
| 18 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 19 | C TC | 0 | 0–9 RGBL<br>10–21 RGB<br>22–255 CTC |

## Extended Ring 1U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Color Wheel | 0 | 0–2 Open (wheel slot 1)<br>3–3 LAVENDER TINT (wheel slot 2)<br>4–6 MEDIUM BASTARD AMBER (wheel slot 3)<br>7–7 PALE YELLOW (wheel slot 4)<br>8–8 DARK SALMON (wheel slot 5)<br>9–9 PALE AMBER GOLD (wheel slot 6)<br>10–12 MEDIUM YELLOW (wheel slot 7)<br>13–14 STRAW TINT (wheel slot 8)<br>15–16 DEEP STRAW (wheel slot 9)<br>17–19 SURPRISE PEACH (wheel slot 10)<br>20–20 MEDIUM AMBER (wheel slot 11)<br>21–21 GOLD AMBER (wheel slot 12)<br>22–23 DARK AMBER (wheel slot 13)<br>24–24 SCARLET (wheel slot 14)<br>25–25 SUNSET RED (wheel slot 15)<br>26–28 BRIGHT RED (wheel slot 16)<br>29–34 PALSA RED (wheel slot 17)<br>35–35 LIGHT PINK (wheel slot 18)<br>36–45 MEDIUM PINK (wheel slot 19)<br>46–47 DARK MAGENTA (wheel slot 20)<br>48–51 DARK PURPLE (wheel slot 21)<br>52–52 LIGHT LAVENDER (wheel slot 22)<br>53–57 PALE LAVENDER (wheel slot 23)<br>58–62 LAVENDER (wheel slot 24)<br>63–67 PALE BLUE (wheel slot 25)<br>68–70 SKY BLUE (wheel slot 26)<br>71–74 TOKIO BLUE (wheel slot 27)<br>75–78 EVENING BLUE (wheel slot 28)<br>79–84 JUST BLUE (wheel slot 29)<br>85–87 DEEPER BLUE (wheel slot 30)<br>88–88 LIME GREEN (wheel slot 31)<br>89–89 MOSS GREEN (wheel slot 32)<br>90–99 DARKYELLOW GREEN (wheel slot 33)<br>100–100 SPRING YELLOW (wheel slot 34)<br>101–101 YELLOW (wheel slot 35)<br>102–102 LIGHT AMBER (wheel slot 36)<br>103–103 STRAW (wheel slot 37)<br>104–104 DEEP AMBER (wheel slot 38)<br>105–105 ORANGE (wheel slot 39)<br>106–106 PRIMAY RED (wheel slot 40)<br>107–107 LIGHT ROSE (wheel slot 41)<br>108–108 ENGLISH ROSE (wheel slot 42)<br>109–109 LIGHT SALMON (wheel slot 43)<br>110–110 MIDDLE ROSE (wheel slot 44)<br>111–112 DARK PINK (wheel slot 45)<br>113–115 MAGENTA (wheel slot 46)<br>116–117 MEDIUM BLUE GREEN (wheel slot 47)<br>118–118 LIGHT BLUE (wheel slot 48)<br>119–119 DARK BLUE (wheel slot 49)<br>120–123 DEEP BLUE (wheel slot 50)<br>124–125 DARK GREEN (wheel slot 51)<br>126–126 MAUVE (wheel slot 52)<br>127–127 SMOKEY PINK (wheel slot 53)<br>128–131 BRIGHT PINK (wheel slot 54)<br>132–133 MEDIUM BLUE (wheel slot 55)<br>134–135 GOLDEN AMBER (wheel slot 56)<br>136–136 PALE LAVENDER 1 (wheel slot 57)<br>137–137 SPECIAL LAVENDER (wheel slot 58)<br>138–138 PALE GREEN (wheel slot 59)<br>139–139 PRIMARY GREEN (wheel slot 60)<br>140–140 SUMMER BLUE (wheel slot 61)<br>141–141 BRIGHT BLUE (wheel slot 62)<br>142–142 PALE VIOLET (wheel slot 63)<br>143–146 PALE NAVY BLUE (wheel slot 64) |

## Extended Ring 1U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **21** | Color Mix Mode | 0 | 0–0 Output controled by RGBW values<br>1–254 Cross fade between RGBW settings and Color preset ...<br>255–255 Output controled by color preset values |
| **22** | Color Crossfade Speed | 0 | |
| **23** | Zoom | 0 | |
| **24** | Zoom Fine | 0 | Fine byte of Zoom |
| **25** | Tint | 127 | 0–0 Tint Off<br>1–255 Tint |
| **26** | Control1 | 0 | 5–9 Display Off<br>10–14 Display On<br>15–19 Display Inv Off<br>20–24 Display Inv On<br>25–26 Auto Fan<br>27–28 Stage Fan<br>29–30 Silence Fan<br>31–32 Super Silence Fan<br>33–34 Constant Fan OFF<br>35–44 Constant Fan ON<br>45–49 Square Law<br>50–54 Linear<br>55–57 1200 Hz<br>58–60 2400 Hz<br>61–63 16000 Hz<br>64–69 25000 Hz<br>70–71 Lamp 500W<br>72–73 Lamp 1000W<br>74–75 Lamp 2500W<br>76–77 Lamp 5000W<br>78–79 Lamp OFF<br>80–84 All Motor Reset<br>85–87 P/T Motor Reset<br>88–90 ZoomMotor Reset<br>91–93 Pixel Rotation 0<br>94–96 Pixel Rotation 90<br>97–99 Pixel Rotation 180<br>100–105 Pixel Rotation 270<br>106–108 fog fan off<br>109–111 fog fan auto<br>112–114 fog fan on<br>115–117 CTC Channel RGB<br>118–255 CTC Channel RGBL |

## Extended Ring 1U (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Chase Patterns | 0 | 0–9 Chse OFF<br>10–14 Chase 1<br>15–19 Chase 2<br>20–24 Chase 3<br>25–29 Chase 4<br>30–34 Chase 5<br>35–39 Chase 6<br>40–44 Chase 7<br>45–49 Chase 8<br>50–54 Chase 9<br>55–59 Chase 10<br>60–64 Chase 11<br>65–69 Chase 12<br>70–74 Chase 13<br>75–79 Chase 14<br>80–84 Chase 15<br>85–89 Chase 16<br>90–94 Chase 17<br>95–99 Chase 18<br>100–104 Chase 19<br>105–109 Chase 20<br>110–114 Chase 21<br>115–119 Chase 22<br>120–255 NoFeature 1 |
| **28** | Chase Speed | 0 | 0–125 Fast to Slow Backward<br>126–130 Empty Channel Set<br>131–255 Slow to Fast Forward |
| **29** | Chase Fade | 0 | |
| **30** | Chase Size | 0 | |
| **31** | Red | 255 | |
| **32** | Green | 255 | |
| **33** | Blue | 255 | |
| **34** | Color Add GY | 255 | |
| **35** | Dimmer | 0 | |
| **36** | Back Chase Dimmer | 0 | |
| **37** | Shutter / Strobe 2 | 32 | 0–31 Chase dimmer OFF<br>32–63 Chase Dimmer ON<br>64–95 Shutter1Strobe 3<br>96–127 NoFeature 4<br>128–159 Shutter1StrobePulse 5<br>160–191 NoFeature 6<br>192–223 Shutter1StrobeRandom 7<br>224–255 NoFeature 8 |
| **38** | Led Control | 128 | 0–127 Full Control<br>128–254 Middle<br>255–255 Pixel Control |
| **39** | Red | 255 | |
| **40** | Green | 255 | |
| **41** | Blue | 255 | |
| **42** | Color Add GY | 255 | |
| **43** | Red | 255 | |
| **44** | Green | 255 | |
| **45** | Blue | 255 | |
| **46** | Color Add GY | 255 | |