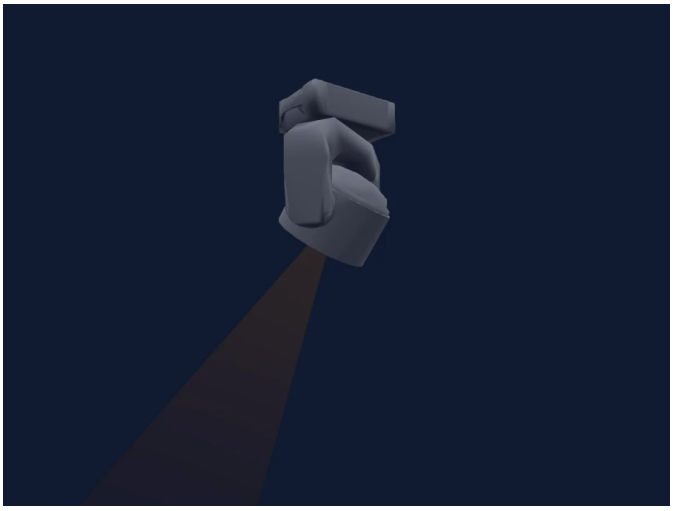
Robe Lighting

# Robin iSpiiderX



| | |
|---|---|
| Manufacturer | **Robe Lighting** |
| Type | **Moving head** |
| DMX modes | **10** |
| DMX footprint | **27, 33, 47, 49, 57, 58, 66, 71, 79 channels** |
| Beam angle | **4-50°** |
| Pan range | **540°** |
| Tilt range | **220°** |
| Heads / cells | **6** |
| Size (W × H × D) | **309 × 241 × 301 mm** |
| GDTF fixture type | **AC70980B-8E18-4355-AD16-05…** |

## Controls

Zoom · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

## Safety-relevant functions

Built-in effect programmes

## DMX modes

| | |
|---|---|
| Mode 2 - Basic | 27 ch |
| Mode 5 - Wash | 27 ch |
| Mode 3 - Advanced | 33 ch |
| Mode 6 - Pattern | 47 ch |
| Mode 1 - Zones | 49 ch |
| Mode 4 - Full RGBW | 57 ch |
| Mode 7 - Pixel RGB | 58 ch |
| Mode 8 - Pixel RGBW | 66 ch |
| Mode 9 - Pattern full RGB | 71 ch |
| Mode 10 - Pattern full RGBW | 79 ch |

## Mode 2 - Basic

27 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 0 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 0 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |
| **6** | Control1 | 0 | |

## Mode 2 - Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 2 - Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Red | 255 | |
| **9** | Green | 255 | |
| **10** | Blue | 255 | |
| **11** | White | 255 | |
| **12** | C TO | 0 | 0–63 8000K<br>64–127 5600K<br>128–191 4200K<br>192–254 3200K<br>255–255 2700K |
| **13** | Color Mix Mode | 45 | 0–9 Global colors<br>10–19 Maximum mode<br>20–29 Minimum mode<br>30–39 Multiply mode<br>40–49 Addition mode<br>50–59 Subtraction mode<br>60–69 Inverted subtraction mode<br>70–79 Colored background<br>80–127 No function<br>128–128 Global colors<br>129–254 Crossfade<br>255–255 Pixel colors |

## Mode 2 - Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 14 | Effect | 0 | 0–2 No function<br>3–4 Effect 1<br>5–6 Effect 2<br>7–8 Effect 3<br>9–10 Effect 4<br>11–12 Effect 5<br>13–14 Effect 6<br>15–16 Effect 7<br>17–18 Effect 8<br>19–20 Effect 9<br>21–22 Effect 10<br>23–24 Effect 11<br>25–26 Effect 12<br>27–28 Effect 13<br>29–30 Effect 14<br>31–32 Effect 15<br>33–34 Effect 16<br>35–36 Effect 17<br>37–38 Effect 18<br>39–40 Effect 19<br>41–42 Effect 20<br>43–44 Effect 21<br>45–46 Effect 22<br>47–48 Effect 23<br>49–50 Effect 24<br>51–52 Effect 25<br>53–54 Effect 26<br>55–56 Effect 27<br>57–58 Effect 28<br>59–60 Effect 29<br>61–62 Effect 30<br>63–64 Effect 31<br>65–66 Effect 32<br>67–68 Effect 33<br>69–70 Effect 34<br>71–72 Effect 35<br>73–74 Effect 36<br>75–76 Effect 37<br>77–78 Effect 38<br>79–80 Effect 39<br>81–82 Effect 40<br>83–84 Effect 41<br>85–86 Effect 42<br>87–88 Effect 43<br>89–90 Effect 44<br>91–92 Effect 45<br>93–94 Effect 46<br>95–96 Effect 47<br>97–98 Effect 48<br>99–100 Effect 49<br>101–102 Effect 50<br>103–104 Effect 51<br>105–106 Effect 52<br>107–108 Effect 53<br>109–110 Effect 54<br>111–112 Effect 55<br>113–114 Effect 56<br>115–116 Effect 57<br>117–118 Effect 58<br>119–120 Effect 59<br>121–122 Effect 60<br>123–124 Effect 61<br>125–126 Effect 62<br>127–128 Effect 63 |

## Mode 2 - Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Effect Speed | 0 | 0–127 Speed from min to max<br>128–255 Speed from max to min |
| **16** | Effects1Fade | 0 | 0–0 Without fade time<br>1–255 Fade time from min to max |
| **17** | Flower Effect | 0 | 0–0 Open position/Flower Effect Off (wheel slot 1)<br>1–24 Fast to slow 1/7 (wheel slot 2)<br>25–49 Fast to slow 2/7 (wheel slot 2)<br>50–74 Fast to slow 3/7 (wheel slot 2)<br>75–99 Fast to slow 4/7 (wheel slot 2)<br>100–119 Fast to slow 5/7 (wheel slot 2)<br>120–124 Fast to slow 6/7 (wheel slot 2)<br>125–127 Fast to slow 7/7 (wheel slot 2)<br>128–128 No rotation middle (wheel slot 2)<br>129–131 Slow to fast 1/7 (wheel slot 2)<br>132–136 Slow to fast 2/7 (wheel slot 2)<br>137–156 Slow to fast 3/7 (wheel slot 2)<br>157–181 Slow to fast 4/7 (wheel slot 2)<br>182–206 Slow to fast 5/7 (wheel slot 2)<br>207–232 Slow to fast 6/7 (wheel slot 2)<br>233–255 Slow to fast 7/7 (wheel slot 2) |
| **18** | Red | 255 | |
| **19** | Green | 255 | |
| **20** | Blue | 255 | |
| **21** | White | 255 | |
| **22** | Color Macro1 | 0 | |
| **23** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **24** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **25** | Zoom | 128 | 0–254 Max beam angle<br>255–255 Min beam angle |

### Mode 2 - Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **26** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **27** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |

## Mode 5 - Wash

27 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 0 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 0 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |
| **6** | Control1 | 0 | |

## Mode 5 - Wash (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 5 - Wash (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Red | 255 | |
| **9** | Green | 255 | |
| **10** | Blue | 255 | |
| **11** | White | 255 | |
| **12** | C TO | 0 | 0–63 8000K<br>64–127 5600K<br>128–191 4200K<br>192–254 3200K<br>255–255 2700K |
| **13** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1...<br>135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2...<br>141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4...<br>144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5...<br>150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3...<br>156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **14** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **15** | L EDZone Mode | 0 | |
| **16** | Color Mix Mode | 45 | 0–9 Global colors<br>10–19 Maximum mode<br>20–29 Minimum mode<br>30–39 Multiply mode<br>40–49 Addition mode<br>50–59 Subtraction mode<br>60–69 Inverted subtraction mode<br>70–79 Colored background<br>80–127 No function<br>128–128 Global colors<br>129–254 Crossfade<br>255–255 Pixel colors |
| **17** | Flower Effect | 0 | 0–0 Open position/Flower Effect Off (wheel slot 1)<br>1–24 Fast to slow 1/7 (wheel slot 2)<br>25–49 Fast to slow 2/7 (wheel slot 2)<br>50–74 Fast to slow 3/7 (wheel slot 2)<br>75–99 Fast to slow 4/7 (wheel slot 2)<br>100–119 Fast to slow 5/7 (wheel slot 2)<br>120–124 Fast to slow 6/7 (wheel slot 2)<br>125–127 Fast to slow 7/7 (wheel slot 2)<br>128–128 No rotation middle (wheel slot 2)<br>129–131 Slow to fast 1/7 (wheel slot 2)<br>132–136 Slow to fast 2/7 (wheel slot 2)<br>137–156 Slow to fast 3/7 (wheel slot 2)<br>157–181 Slow to fast 4/7 (wheel slot 2)<br>182–206 Slow to fast 5/7 (wheel slot 2)<br>207–232 Slow to fast 6/7 (wheel slot 2)<br>233–255 Slow to fast 7/7 (wheel slot 2) |
| **18** | Red | 255 | |
| **19** | Green | 255 | |

### Mode 5 - Wash (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Blue | 255 | |
| **21** | White | 255 | |
| **22** | Color Macro1 | 0 | |
| **23** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **24** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **25** | Zoom | 128 | 0–254 Max beam angle<br>255–255 Min beam angle |
| **26** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **27** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |

## Mode 3 - Advanced

33 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 | |
| **6** | Control1 | 0 | |

## Mode 3 - Advanced (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 3 - Advanced (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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** | White | 255 | |
| **15** | White Fine | 255 | Fine byte of White |
| **16** | C TO | 0 | 0–63 8000K<br>64–127 5600K<br>128–191 4200K<br>192–254 3200K<br>255–255 2700K |
| **17** | Color Mix Mode | 45 | 0–9 Global colors<br>10–19 Maximum mode<br>20–29 Minimum mode<br>30–39 Multiply mode<br>40–49 Addition mode<br>50–59 Subtraction mode<br>60–69 Inverted subtraction mode<br>70–79 Colored background<br>80–127 No function<br>128–128 Global colors<br>129–254 Crossfade<br>255–255 Pixel colors |

## Mode 3 - Advanced (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Effect | 0 | 0–2 No function<br>3–4 Effect 1<br>5–6 Effect 2<br>7–8 Effect 3<br>9–10 Effect 4<br>11–12 Effect 5<br>13–14 Effect 6<br>15–16 Effect 7<br>17–18 Effect 8<br>19–20 Effect 9<br>21–22 Effect 10<br>23–24 Effect 11<br>25–26 Effect 12<br>27–28 Effect 13<br>29–30 Effect 14<br>31–32 Effect 15<br>33–34 Effect 16<br>35–36 Effect 17<br>37–38 Effect 18<br>39–40 Effect 19<br>41–42 Effect 20<br>43–44 Effect 21<br>45–46 Effect 22<br>47–48 Effect 23<br>49–50 Effect 24<br>51–52 Effect 25<br>53–54 Effect 26<br>55–56 Effect 27<br>57–58 Effect 28<br>59–60 Effect 29<br>61–62 Effect 30<br>63–64 Effect 31<br>65–66 Effect 32<br>67–68 Effect 33<br>69–70 Effect 34<br>71–72 Effect 35<br>73–74 Effect 36<br>75–76 Effect 37<br>77–78 Effect 38<br>79–80 Effect 39<br>81–82 Effect 40<br>83–84 Effect 41<br>85–86 Effect 42<br>87–88 Effect 43<br>89–90 Effect 44<br>91–92 Effect 45<br>93–94 Effect 46<br>95–96 Effect 47<br>97–98 Effect 48<br>99–100 Effect 49<br>101–102 Effect 50<br>103–104 Effect 51<br>105–106 Effect 52<br>107–108 Effect 53<br>109–110 Effect 54<br>111–112 Effect 55<br>113–114 Effect 56<br>115–116 Effect 57<br>117–118 Effect 58<br>119–120 Effect 59<br>121–122 Effect 60<br>123–124 Effect 61<br>125–126 Effect 62<br>127–128 Effect 63 |

## Mode 3 - Advanced (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Effect Speed | 0 | 0–127 Speed from min to max<br>128–255 Speed from max to min |
| **20** | Effects1Fade | 0 | 0–0 Without fade time<br>1–255 Fade time from min to max |
| **21** | Flower Effect | 0 | 0–0 Open position/Flower Effect Off (wheel slot 1)<br>1–24 Fast to slow 1/7 (wheel slot 2)<br>25–49 Fast to slow 2/7 (wheel slot 2)<br>50–74 Fast to slow 3/7 (wheel slot 2)<br>75–99 Fast to slow 4/7 (wheel slot 2)<br>100–119 Fast to slow 5/7 (wheel slot 2)<br>120–124 Fast to slow 6/7 (wheel slot 2)<br>125–127 Fast to slow 7/7 (wheel slot 2)<br>128–128 No rotation middle (wheel slot 2)<br>129–131 Slow to fast 1/7 (wheel slot 2)<br>132–136 Slow to fast 2/7 (wheel slot 2)<br>137–156 Slow to fast 3/7 (wheel slot 2)<br>157–181 Slow to fast 4/7 (wheel slot 2)<br>182–206 Slow to fast 5/7 (wheel slot 2)<br>207–232 Slow to fast 6/7 (wheel slot 2)<br>233–255 Slow to fast 7/7 (wheel slot 2) |
| **22** | Red | 255 | |
| **23** | Green | 255 | |
| **24** | Blue | 255 | |
| **25** | White | 255 | |
| **26** | Color Macro1 | 0 | |
| **27** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **28** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **29** | Zoom | 128 | 0–254 Max beam angle<br>255–255 Min beam angle |
| **30** | Zoom Fine | 0 | Fine byte of Zoom |

### Mode 3 - Advanced (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **31** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **32** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **33** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Mode 6 - Pattern

47 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 | |
| **6** | Control1 | 0 | |

## Mode 6 - Pattern (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 6 - Pattern (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 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 | White | 255 | |
| 15 | White Fine | 255 | Fine byte of White |
| 16 | C TO | 0 | 0–63 8000K<br>64–127 5600K<br>128–191 4200K<br>192–254 3200K<br>255–255 2700K |
| 17 | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1…<br>135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2…<br>141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4…<br>144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5…<br>150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3…<br>156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1…<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| 18 | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| 19 | Dimmer Fine | 255 | Fine byte of Dimmer |
| 20 | L EDZone Mode | 0 | |
| 21 | Color Mix Mode | 45 | 0–9 Global colors<br>10–19 Maximum mode<br>20–29 Minimum mode<br>30–39 Multiply mode<br>40–49 Addition mode<br>50–59 Subtraction mode<br>60–69 Inverted subtraction mode<br>70–79 Colored background<br>80–127 No function<br>128–128 Global colors<br>129–254 Crossfade<br>255–255 Pixel colors |

## Mode 6 - Pattern (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **22** | Flower Effect | 0 | 0–0 Open position/Flower Effect Off (wheel slot 1)<br>1–24 Fast to slow 1/7 (wheel slot 2)<br>25–49 Fast to slow 2/7 (wheel slot 2)<br>50–74 Fast to slow 3/7 (wheel slot 2)<br>75–99 Fast to slow 4/7 (wheel slot 2)<br>100–119 Fast to slow 5/7 (wheel slot 2)<br>120–124 Fast to slow 6/7 (wheel slot 2)<br>125–127 Fast to slow 7/7 (wheel slot 2)<br>128–128 No rotation middle (wheel slot 2)<br>129–131 Slow to fast 1/7 (wheel slot 2)<br>132–136 Slow to fast 2/7 (wheel slot 2)<br>137–156 Slow to fast 3/7 (wheel slot 2)<br>157–181 Slow to fast 4/7 (wheel slot 2)<br>182–206 Slow to fast 5/7 (wheel slot 2)<br>207–232 Slow to fast 6/7 (wheel slot 2)<br>233–255 Slow to fast 7/7 (wheel slot 2) |
| **23** | Red | 255 | |
| **24** | Green | 255 | |
| **25** | Blue | 255 | |
| **26** | White | 255 | |
| **27** | Color Macro1 | 0 | |
| **28** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **29** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **30** | Zoom | 128 | 0–254 Max beam angle<br>255–255 Min beam angle |
| **31** | Zoom Fine | 0 | Fine byte of Zoom |
| **32** | Pattern Selection | 0 | 0–2 No pattern<br>3–4 Pattern 1<br>5–6 Pattern 2<br>7–8 Pattern 3<br>9–10 Pattern 4<br>11–12 Pattern 5<br>13–14 Pattern 6<br>15–16 Pattern 7<br>17–18 Pattern 8<br>19–20 Pattern 9<br>21–22 Pattern 10<br>23–24 Pattern 11<br>25–26 Pattern 12<br>27–255 Reserved |

## Mode 6 - Pattern (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **33** | Pattern Size | 0 | 0–2 Variant 1<br>3–4 Variant 2<br>5–6 Variant 3<br>7–8 Variant 4<br>9–10 Variant 5<br>11–12 Variant 6<br>13–14 Variant 7<br>15–16 Variant 8<br>17–18 Variant 9<br>19–20 Variant 10<br>21–22 Variant 11<br>23–24 Variant 12<br>25–26 Variant 13<br>27–28 Variant 14<br>29–30 Variant 15<br>31–32 Variant 16<br>33–34 Variant 17<br>35–255 Reserved |
| **34** | Pattern Rotation | 0 | 0–0 No rotation<br>1–127 Pattern indexing<br>128–190 Forwards rotation - Fast to slow<br>191–192 No rotation<br>193–255 Backwards rotation - Slow to fast |
| **35** | Pattern Fade | 0 | 0–0 Snap<br>1–254 Fade min<br>255–255 Fade max |
| **36** | Pattern Transition | 0 | 0–0 No fade<br>1–254 100 ms<br>255–255 4 s |
| **37** | Pattern Crossfade | 255 | 0–254 Background<br>255–255 Pattern |
| **38** | Red | 255 | |
| **39** | Green | 255 | |
| **40** | Blue | 255 | |
| **41** | White | 255 | |

## Mode 6 - Pattern (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **42** | Color Macro1 | 0 | 0–2 No macro<br>3–8 Macro 1<br>9–14 Macro 2<br>15–20 Macro 3<br>21–26 Macro 4<br>27–32 Macro 5<br>33–38 Macro 6<br>39–44 Macro 7<br>45–50 Macro 8<br>51–56 Macro 9<br>57–62 Macro 10<br>63–68 Macro 11<br>69–74 Macro 12<br>75–80 Macro 13<br>81–86 Macro 14<br>87–92 Macro 15<br>93–98 Macro 16<br>99–104 Macro 17<br>105–110 Macro 18<br>111–116 Macro 19<br>117–122 Macro 20<br>123–128 Macro 21<br>129–134 Macro 22<br>135–140 Macro 23<br>141–255 Reserved |
| **43** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 PatternStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0....<br>135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0...<br>141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0...<br>144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3...<br>150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0....<br>156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0....<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **44** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **45** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **46** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |

### Mode 6 - Pattern (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **47** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Mode 1 - Zones

49 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 | |
| **6** | Control1 | 0 | |

## Mode 1 - Zones (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 1 - Zones (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 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 | White | 255 | |
| 15 | White Fine | 255 | Fine byte of White |
| 16 | Red | 255 | |
| 17 | Red Fine | 255 | Fine byte of Red |
| 18 | Green | 255 | |
| 19 | Green Fine | 255 | Fine byte of Green |
| 20 | Blue | 255 | |
| 21 | Blue Fine | 255 | Fine byte of Blue |
| 22 | White | 255 | |
| 23 | White Fine | 255 | Fine byte of White |
| 24 | Red | 255 | |
| 25 | Red Fine | 255 | Fine byte of Red |
| 26 | Green | 255 | |
| 27 | Green Fine | 255 | Fine byte of Green |
| 28 | Blue | 255 | |
| 29 | Blue Fine | 255 | Fine byte of Blue |
| 30 | White | 255 | |
| 31 | White Fine | 255 | Fine byte of White |
| 32 | C TO | 0 | 0–63 8000K<br>64–127 5600K<br>128–191 4200K<br>192–254 3200K<br>255–255 2700K |
| 33 | Color Mix Mode | 45 | 0–9 Global colors<br>10–19 Maximum mode<br>20–29 Minimum mode<br>30–39 Multiply mode<br>40–49 Addition mode<br>50–59 Subtraction mode<br>60–69 Inverted subtraction mode<br>70–79 Colored background<br>80–127 No function<br>128–128 Global colors<br>129–254 Crossfade<br>255–255 Pixel colors |

## Mode 1 - Zones (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **34** | Effect | 0 | 0–2 No function<br>3–4 Effect 1<br>5–6 Effect 2<br>7–8 Effect 3<br>9–10 Effect 4<br>11–12 Effect 5<br>13–14 Effect 6<br>15–16 Effect 7<br>17–18 Effect 8<br>19–20 Effect 9<br>21–22 Effect 10<br>23–24 Effect 11<br>25–26 Effect 12<br>27–28 Effect 13<br>29–30 Effect 14<br>31–32 Effect 15<br>33–34 Effect 16<br>35–36 Effect 17<br>37–38 Effect 18<br>39–40 Effect 19<br>41–42 Effect 20<br>43–44 Effect 21<br>45–46 Effect 22<br>47–48 Effect 23<br>49–50 Effect 24<br>51–52 Effect 25<br>53–54 Effect 26<br>55–56 Effect 27<br>57–58 Effect 28<br>59–60 Effect 29<br>61–62 Effect 30<br>63–64 Effect 31<br>65–66 Effect 32<br>67–68 Effect 33<br>69–70 Effect 34<br>71–72 Effect 35<br>73–74 Effect 36<br>75–76 Effect 37<br>77–78 Effect 38<br>79–80 Effect 39<br>81–82 Effect 40<br>83–84 Effect 41<br>85–86 Effect 42<br>87–88 Effect 43<br>89–90 Effect 44<br>91–92 Effect 45<br>93–94 Effect 46<br>95–96 Effect 47<br>97–98 Effect 48<br>99–100 Effect 49<br>101–102 Effect 50<br>103–104 Effect 51<br>105–106 Effect 52<br>107–108 Effect 53<br>109–110 Effect 54<br>111–112 Effect 55<br>113–114 Effect 56<br>115–116 Effect 57<br>117–118 Effect 58<br>119–120 Effect 59<br>121–122 Effect 60<br>123–124 Effect 61<br>125–126 Effect 62<br>127–128 Effect 63 |

## Mode 1 - Zones (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **35** | Effect Speed | 0 | 0–127 Speed from min to max<br>128–255 Speed from max to min |
| **36** | Effects1Fade | 0 | 0–0 Without fade time<br>1–255 Fade time from min to max |
| **37** | Flower Effect | 0 | 0–0 Open position/Flower Effect Off (wheel slot 1)<br>1–124 Fast to slow 1/7 (wheel slot 2)<br>125–127 Fast to slow 7/7 (wheel slot 2)<br>128–128 No rotation middle (wheel slot 2)<br>129–232 Slow to fast 1/7 (wheel slot 2)<br>233–255 Slow to fast 7/7 (wheel slot 2) |
| **38** | Red | 255 | |
| **39** | Green | 255 | |
| **40** | Blue | 255 | |
| **41** | White | 255 | |
| **42** | Color Macro1 | 0 | |
| **43** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **44** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **45** | Zoom | 128 | 0–254 Max beam angle<br>255–255 Min beam angle |
| **46** | Zoom Fine | 0 | Fine byte of Zoom |
| **47** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **48** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **49** | Dimmer Fine | 0 | Fine byte of Dimmer |

## Mode 4 - Full RGBW

57 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 | |
| **6** | Control1 | 0 | |

## Mode 4 - Full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 4 - Full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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** | White | 255 | |
| **15** | White Fine | 255 | Fine byte of White |
| **16** | C TO | 0 | 0–63 8000K<br>64–127 5600K<br>128–191 4200K<br>192–254 3200K<br>255–255 2700K |
| **17** | Color Mix Mode | 45 | 0–9 Global colors<br>10–19 Maximum mode<br>20–29 Minimum mode<br>30–39 Multiply mode<br>40–49 Addition mode<br>50–59 Subtraction mode<br>60–69 Inverted subtraction mode<br>70–79 Colored background<br>80–127 No function<br>128–128 Global colors<br>129–254 Crossfade<br>255–255 Pixel colors |

## Mode 4 - Full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Effect | 0 | 0–2 No function<br>3–4 Effect 1<br>5–6 Effect 2<br>7–8 Effect 3<br>9–10 Effect 4<br>11–12 Effect 5<br>13–14 Effect 6<br>15–16 Effect 7<br>17–18 Effect 8<br>19–20 Effect 9<br>21–22 Effect 10<br>23–24 Effect 11<br>25–26 Effect 12<br>27–28 Effect 13<br>29–30 Effect 14<br>31–32 Effect 15<br>33–34 Effect 16<br>35–36 Effect 17<br>37–38 Effect 18<br>39–40 Effect 19<br>41–42 Effect 20<br>43–44 Effect 21<br>45–46 Effect 22<br>47–48 Effect 23<br>49–50 Effect 24<br>51–52 Effect 25<br>53–54 Effect 26<br>55–56 Effect 27<br>57–58 Effect 28<br>59–60 Effect 29<br>61–62 Effect 30<br>63–64 Effect 31<br>65–66 Effect 32<br>67–68 Effect 33<br>69–70 Effect 34<br>71–72 Effect 35<br>73–74 Effect 36<br>75–76 Effect 37<br>77–78 Effect 38<br>79–80 Effect 39<br>81–82 Effect 40<br>83–84 Effect 41<br>85–86 Effect 42<br>87–88 Effect 43<br>89–90 Effect 44<br>91–92 Effect 45<br>93–94 Effect 46<br>95–96 Effect 47<br>97–98 Effect 48<br>99–100 Effect 49<br>101–102 Effect 50<br>103–104 Effect 51<br>105–106 Effect 52<br>107–108 Effect 53<br>109–110 Effect 54<br>111–112 Effect 55<br>113–114 Effect 56<br>115–116 Effect 57<br>117–118 Effect 58<br>119–120 Effect 59<br>121–122 Effect 60<br>123–124 Effect 61<br>125–126 Effect 62<br>127–128 Effect 63 |

## Mode 4 - Full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **19** | Effect Speed | 0 | 0–127 Speed from min to max<br>128–255 Speed from max to min |
| **20** | Effects1Fade | 0 | 0–0 Without fade time<br>1–255 Fade time from min to max |
| **21** | Flower Effect | 0 | 0–0 Open position/Flower Effect Off (wheel slot 1)<br>1–24 Fast to slow 1/7 (wheel slot 2)<br>25–49 Fast to slow 2/7 (wheel slot 2)<br>50–74 Fast to slow 3/7 (wheel slot 2)<br>75–99 Fast to slow 4/7 (wheel slot 2)<br>100–119 Fast to slow 5/7 (wheel slot 2)<br>120–124 Fast to slow 6/7 (wheel slot 2)<br>125–127 Fast to slow 7/7 (wheel slot 2)<br>128–128 No rotation middle (wheel slot 2)<br>129–131 Slow to fast 1/7 (wheel slot 2)<br>132–136 Slow to fast 2/7 (wheel slot 2)<br>137–156 Slow to fast 3/7 (wheel slot 2)<br>157–181 Slow to fast 4/7 (wheel slot 2)<br>182–206 Slow to fast 5/7 (wheel slot 2)<br>207–232 Slow to fast 6/7 (wheel slot 2)<br>233–255 Slow to fast 7/7 (wheel slot 2) |
| **22** | Red | 255 | |
| **23** | Green | 255 | |
| **24** | Blue | 255 | |
| **25** | White | 255 | |
| **26** | Color Macro1 | 0 | |
| **27** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **28** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **29** | Zoom | 128 | 0–254 Max beam angle<br>255–255 Min beam angle |
| **30** | Zoom Fine | 0 | Fine byte of Zoom |

### Mode 4 - Full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **31** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **32** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **33** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **34** | Red | 0 | |
| **35** | Green | 0 | |
| **36** | Blue | 0 | |
| **37** | Red | 0 | |
| **38** | Green | 0 | |
| **39** | Blue | 0 | |
| **40** | Reserved 40 | 0 | |
| **41** | Reserved 41 | 0 | |
| **42** | Reserved 42 | 0 | |
| **43** | Reserved 43 | 0 | |
| **44** | Reserved 44 | 0 | |
| **45** | Reserved 45 | 0 | |
| **46** | Reserved 46 | 0 | |
| **47** | Reserved 47 | 0 | |
| **48** | Reserved 48 | 0 | |
| **49** | Reserved 49 | 0 | |
| **50** | Reserved 50 | 0 | |
| **51** | Reserved 51 | 0 | |
| **52** | Reserved 52 | 0 | |
| **53** | Reserved 53 | 0 | |
| **54** | Reserved 54 | 0 | |
| **55** | Red | 0 | |
| **56** | Green | 0 | |
| **57** | Blue | 0 | |

## Mode 7 - Pixel RGB

58 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 0 | Fine byte of Pan |
| **3** | Tilt | 128 | |

## Mode 7 - Pixel RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **4** | Tilt Fine | 0 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |
| **6** | Control1 | 0 | |

## Mode 7 - Pixel RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 7 - Pixel RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **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** | White | 255 | |
| **15** | White Fine | 255 | Fine byte of White |
| **16** | C TO | 0 | 0–63 8000K<br>64–127 5600K<br>128–191 4200K<br>192–254 3200K<br>255–255 2700K |
| **17** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1…<br>135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2…<br>141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4…<br>144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5…<br>150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3…<br>156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1…<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **18** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **19** | Dimmer Fine | 255 | Fine byte of Dimmer |
| **20** | L EDZone Mode | 0 | |
| **21** | Color Mix Mode | 45 | 0–9 Global colors<br>10–19 Maximum mode<br>20–29 Minimum mode<br>30–39 Multiply mode<br>40–49 Addition mode<br>50–59 Subtraction mode<br>60–69 Inverted subtraction mode<br>70–79 Colored background<br>80–127 No function<br>128–128 Global colors<br>129–254 Crossfade<br>255–255 Pixel colors |

## Mode 7 - Pixel RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **22** | Flower Effect | 0 | 0–0 Open position/Flower Effect Off (wheel slot 1)<br>1–24 Fast to slow 1/7 (wheel slot 2)<br>25–49 Fast to slow 2/7 (wheel slot 2)<br>50–74 Fast to slow 3/7 (wheel slot 2)<br>75–99 Fast to slow 4/7 (wheel slot 2)<br>100–119 Fast to slow 5/7 (wheel slot 2)<br>120–124 Fast to slow 6/7 (wheel slot 2)<br>125–127 Fast to slow 7/7 (wheel slot 2)<br>128–128 No rotation middle (wheel slot 2)<br>129–131 Slow to fast 1/7 (wheel slot 2)<br>132–136 Slow to fast 2/7 (wheel slot 2)<br>137–156 Slow to fast 3/7 (wheel slot 2)<br>157–181 Slow to fast 4/7 (wheel slot 2)<br>182–206 Slow to fast 5/7 (wheel slot 2)<br>207–232 Slow to fast 6/7 (wheel slot 2)<br>233–255 Slow to fast 7/7 (wheel slot 2) |
| **23** | Red | 255 | |
| **24** | Green | 255 | |
| **25** | Blue | 255 | |
| **26** | White | 255 | |
| **27** | Color Macro1 | 0 | |
| **28** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2…<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.…<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.…<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36…<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2…<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1…<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **29** | Dimmer | 255 | 0–254 Closed<br>255–255 Open |
| **30** | Zoom | 128 | 0–254 Max beam angle<br>255–255 Min beam angle |
| **31** | Zoom Fine | 0 | Fine byte of Zoom |
| **32** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2…<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.…<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.…<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36…<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2…<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1…<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |

### Mode 7 - Pixel RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **33** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **34** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **35** | Red | 0 | |
| **36** | Green | 0 | |
| **37** | Blue | 0 | |
| **38** | Red | 0 | |
| **39** | Green | 0 | |
| **40** | Blue | 0 | |
| **41** | Reserved 41 | 0 | |
| **42** | Reserved 42 | 0 | |
| **43** | Reserved 43 | 0 | |
| **44** | Reserved 44 | 0 | |
| **45** | Reserved 45 | 0 | |
| **46** | Reserved 46 | 0 | |
| **47** | Reserved 47 | 0 | |
| **48** | Reserved 48 | 0 | |
| **49** | Reserved 49 | 0 | |
| **50** | Reserved 50 | 0 | |
| **51** | Reserved 51 | 0 | |
| **52** | Reserved 52 | 0 | |
| **53** | Reserved 53 | 0 | |
| **54** | Reserved 54 | 0 | |
| **55** | Reserved 55 | 0 | |
| **56** | Red | 0 | |
| **57** | Green | 0 | |
| **58** | Blue | 0 | |

## Mode 8 - Pixel RGBW

66 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 | |
| **6** | Control1 | 0 | |

## Mode 8 - Pixel RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 8 - Pixel RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 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 | White | 255 | |
| 15 | White Fine | 255 | Fine byte of White |
| 16 | C TO | 0 | |
| 17 | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1…<br>135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2…<br>141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4…<br>144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5…<br>150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3…<br>156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1…<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| 18 | Dimmer | 255 | |
| 19 | Dimmer Fine | 255 | Fine byte of Dimmer |
| 20 | L EDZone Mode | 0 | |
| 21 | Color Mix Mode | 45 | |
| 22 | Flower Effect | 0 | |
| 23 | Red | 255 | |
| 24 | Green | 255 | |
| 25 | Blue | 255 | |
| 26 | White | 255 | |
| 27 | Color Macro1 | 0 | |
| 28 | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2…<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.…<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.…<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36…<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2…<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1…<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| 29 | Dimmer | 255 | |
| 30 | Zoom | 128 | |
| 31 | Zoom Fine | 0 | Fine byte of Zoom |

## Mode 8 - Pixel RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **32** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **33** | Dimmer | 0 | |
| **34** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **35** | Red | 0 | |
| **36** | Green | 0 | |
| **37** | Blue | 0 | |
| **38** | White | 0 | |
| **39** | Red | 0 | |
| **40** | Green | 0 | |
| **41** | Blue | 0 | |
| **42** | White | 0 | |
| **43** | Reserved 43 | 0 | |
| **44** | Reserved 44 | 0 | |
| **45** | Reserved 45 | 0 | |
| **46** | Reserved 46 | 0 | |
| **47** | Reserved 47 | 0 | |
| **48** | Reserved 48 | 0 | |
| **49** | Reserved 49 | 0 | |
| **50** | Reserved 50 | 0 | |
| **51** | Reserved 51 | 0 | |
| **52** | Reserved 52 | 0 | |
| **53** | Reserved 53 | 0 | |
| **54** | Reserved 54 | 0 | |
| **55** | Reserved 55 | 0 | |
| **56** | Reserved 56 | 0 | |
| **57** | Reserved 57 | 0 | |
| **58** | Reserved 58 | 0 | |
| **59** | Reserved 59 | 0 | |
| **60** | Reserved 60 | 0 | |
| **61** | Reserved 61 | 0 | |
| **62** | Reserved 62 | 0 | |
| **63** | Red | 0 | |
| **64** | Green | 0 | |
| **65** | Blue | 0 | |

### Mode 8 - Pixel RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **66** | White | 0 | |

## Mode 9 - Pattern full RGB

71 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 | |
| **6** | Control1 | 0 | |

## Mode 9 - Pattern full RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 9 - Pattern full RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 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 | White | 255 | |
| 15 | White Fine | 255 | Fine byte of White |
| 16 | C TO | 0 | |
| 17 | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1...<br>135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2...<br>141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4...<br>144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5...<br>150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3...<br>156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| 18 | Dimmer | 255 | |
| 19 | Dimmer Fine | 255 | Fine byte of Dimmer |
| 20 | L EDZone Mode | 0 | |
| 21 | Color Mix Mode | 45 | |
| 22 | Flower Effect | 0 | |
| 23 | Red | 255 | |
| 24 | Green | 255 | |
| 25 | Blue | 255 | |
| 26 | White | 255 | |
| 27 | Color Macro1 | 0 | |
| 28 | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| 29 | Dimmer | 255 | |
| 30 | Zoom | 128 | |
| 31 | Zoom Fine | 0 | Fine byte of Zoom |

## Mode 9 - Pattern full RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **32** | Pattern Selection | 0 | |
| **33** | Pattern Size | 0 | |
| **34** | Pattern Rotation | 0 | |
| **35** | Pattern Fade | 0 | |
| **36** | Pattern Transition | 0 | |
| **37** | Pattern Crossfade | 255 | |
| **38** | Red | 255 | |
| **39** | Green | 255 | |
| **40** | Blue | 255 | |
| **41** | White | 255 | |
| **42** | Color Macro1 | 0 | |
| **43** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 PatternStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0....<br>135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0...<br>141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0...<br>144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3...<br>150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0....<br>156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0....<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **44** | Dimmer | 255 | |
| **45** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **46** | Dimmer | 0 | |
| **47** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **48** | Red | 0 | |
| **49** | Green | 0 | |
| **50** | Blue | 0 | |
| **51** | Red | 0 | |
| **52** | Green | 0 | |
| **53** | Blue | 0 | |
| **54** | Reserved 54 | 0 | |
| **55** | Reserved 55 | 0 | |

### Mode 9 - Pattern full RGB (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **56** | Reserved 56 | 0 | |
| **57** | Reserved 57 | 0 | |
| **58** | Reserved 58 | 0 | |
| **59** | Reserved 59 | 0 | |
| **60** | Reserved 60 | 0 | |
| **61** | Reserved 61 | 0 | |
| **62** | Reserved 62 | 0 | |
| **63** | Reserved 63 | 0 | |
| **64** | Reserved 64 | 0 | |
| **65** | Reserved 65 | 0 | |
| **66** | Reserved 66 | 0 | |
| **67** | Reserved 67 | 0 | |
| **68** | Reserved 68 | 0 | |
| **69** | Red | 0 | |
| **70** | Green | 0 | |
| **71** | Blue | 0 | |

## Mode 10 - Pattern full RGBW

79 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 | |
| **6** | Control1 | 0 | |

## Mode 10 - Pattern full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–0 No function (wheel slot 1)<br>1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2)<br>3–4 Filter 25 (Sunset red) (wheel slot 3)<br>5–6 Filter 19 (Fire) (wheel slot 4)<br>7–8 Filter 26 (Bright Red) (wheel slot 5)<br>9–10 Filter 58 (Lavender) (wheel slot 6)<br>11–12 Filter 68 (Sky Blue) (wheel slot 7)<br>13–14 Fliter 36 (Medium Pink) (wheel slot 8)<br>15–16 Filter 89 (Moss Green) (wheel slot 9)<br>17–18 Filter 88 (Lime Green) (wheel slot 10)<br>19–20 Filter 90 (Dark Yellow Green) (wheel slot 11)<br>21–22 Filter 49 (Medium Purple) (wheel slot 12)<br>23–24 Filter 52 (Light Lavender) (wheel slot 13)<br>25–26 Filter 102 (Light Amber) (wheel slot 14)<br>27–28 Filter 103 (Straw) (wheel slot 15)<br>29–30 Filter 140 (Summer Blue) (wheel slot 16)<br>31–32 Fliter 124 (Dark Green) (wheel slot 17)<br>33–34 Filter 106 (Primary Red) (wheel slot 18)<br>35–36 Filter 111 (Dark Pink) (wheel slot 19)<br>37–38 Filter 115 (Peacock Blue) (wheel slot 20)<br>39–40 Filter 126 (Mauve) (wheel slot 21)<br>41–42 Filter 117 (Steel Blue) (wheel slot 22)<br>43–44 Filter 118 (Light Blue) (wheel slot 23)<br>45–46 Filter 122 (Fern Green) (wheel slot 24)<br>47–48 Filter 182 (Light Red) (wheel slot 25)<br>49–50 Filter 121 (Filter Green) (wheel slot 26)<br>51–52 Filter 128 (Bright Pink) (wheel slot 27)<br>53–54 Filter 131 (Marine Blue) (wheel slot 28)<br>55–56 Filter 132 (Medium Blue) (wheel slot 29)<br>57–58 Filter 134 (Golden Amber) (wheel slot 30)<br>59–60 Filter 135 (Deep Golden Amber) (wheel slot 31)<br>61–62 Filter 136 (Pale Lavender) (wheel slot 32)<br>63–64 Filter 137 (Special Lavender) (wheel slot 33)<br>65–66 Filter 138 (Pale Green) (wheel slot 34)<br>67–68 Filter 798 (Chrysalis Pink) (wheel slot 35)<br>69–70 Filter 141 (Bright Blue) (wheel slot 36)<br>71–72 Filter 147 (Apricot) (wheel slot 37)<br>73–74 Filter 148 (Bright Rose) (wheel slot 38)<br>75–76 Filter 152 (Pale Gold) (wheel slot 39)<br>77–78 Filter 154 (Pale Rose) (wheel slot 40)<br>79–80 Filter 157 (Pink) (wheel slot 41)<br>81–82 Filter 143 (Pale Navy Blue) (wheel slot 42)<br>83–84 Filter 162 (Bastard Amber) (wheel slot 43)<br>85–86 Filter 164 (Flame Red) (wheel slot 44)<br>87–88 Filter 165 (Daylight Blue) (wheel slot 45)<br>89–90 Filter 169 (Lilac Tint) (wheel slot 46)<br>91–92 Filter 170 (Deep Lavender) (wheel slot 47)<br>93–94 Filter 172 (Lagoon Blue) (wheel slot 48)<br>95–96 Filter 194 (Surprise Pink) (wheel slot 49)<br>97–98 Filter 180 (Dark Lavender) (wheel slot 50)<br>99–100 Filter 181 (Congo Blue) (wheel slot 51)<br>101–102 Filter 197 (Alice Blue) (wheel slot 52)<br>103–104 Filter 201 (Full CT Blue) (wheel slot 53)<br>105–106 Filter 202 (Half CT Blue) (wheel slot 54)<br>107–108 Filter 203 (Quarter CT Blue) (wheel slot 55)<br>109–110 Filter 204 (Full CT Orange) (wheel slot 56)<br>111–112 Filter 219 (Fluorescent Green) (wheel slot 57)<br>113–114 Filter 206 (Quarter CT Orange) (wheel slot 58)<br>115–116 Filter 247 (Filter Minus Green) (wheel slot 59)<br>117–118 Filter 248 (Half Minus Green) (wheel slot 60)<br>119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61)<br>121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62)<br>123–124 Filter 352 (Glacier Blue) (wheel slot 63)<br>125–126 Filter 353 (Lighter Blue) (wheel slot 64) |

## Mode 10 - Pattern full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 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 | White | 255 | |
| 15 | White Fine | 255 | Fine byte of White |
| 16 | C TO | 0 | |
| 17 | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1…<br>135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2…<br>141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4…<br>144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5…<br>150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3…<br>156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1…<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| 18 | Dimmer | 255 | |
| 19 | Dimmer Fine | 255 | Fine byte of Dimmer |
| 20 | L EDZone Mode | 0 | |
| 21 | Color Mix Mode | 45 | |
| 22 | Flower Effect | 0 | |
| 23 | Red | 255 | |
| 24 | Green | 255 | |
| 25 | Blue | 255 | |
| 26 | White | 255 | |
| 27 | Color Macro1 | 0 | |
| 28 | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 FlowerStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2…<br>135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.…<br>141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.…<br>144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36…<br>150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2…<br>156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1…<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| 29 | Dimmer | 255 | |
| 30 | Zoom | 128 | |
| 31 | Zoom Fine | 0 | Fine byte of Zoom |

## Mode 10 - Pattern full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **32** | Pattern Selection | 0 | |
| **33** | Pattern Size | 0 | |
| **34** | Pattern Rotation | 0 | |
| **35** | Pattern Fade | 0 | |
| **36** | Pattern Transition | 0 | |
| **37** | Pattern Crossfade | 255 | |
| **38** | Red | 255 | |
| **39** | Green | 255 | |
| **40** | Blue | 255 | |
| **41** | White | 255 | |
| **42** | Color Macro1 | 0 | |
| **43** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 PatternStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0....<br>135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0...<br>141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0...<br>144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3...<br>150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0....<br>156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0....<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **44** | Dimmer | 255 | |
| **45** | Shutter / Strobe | 32 | 0–31 Closed<br>32–63 Open<br>64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz<br>80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz<br>95–95 MasterStrobe · Slow to fast 12/12 20 Hz<br>96–127 Shutter open<br>128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2...<br>135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0....<br>141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0....<br>144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36...<br>150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2...<br>156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1...<br>160–191 Shutter open<br>192–222 Random strobe slow<br>223–223 Random strobe fast<br>224–255 Shutter open |
| **46** | Dimmer | 0 | |
| **47** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **48** | Red | 0 | |
| **49** | Green | 0 | |
| **50** | Blue | 0 | |
| **51** | White | 0 | |
| **52** | Red | 0 | |
| **53** | Green | 0 | |
| **54** | Blue | 0 | |
| **55** | White | 0 | |

## Mode 10 - Pattern full RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **56** | Reserved 56 | 0 | |
| **57** | Reserved 57 | 0 | |
| **58** | Reserved 58 | 0 | |
| **59** | Reserved 59 | 0 | |
| **60** | Reserved 60 | 0 | |
| **61** | Reserved 61 | 0 | |
| **62** | Reserved 62 | 0 | |
| **63** | Reserved 63 | 0 | |
| **64** | Reserved 64 | 0 | |
| **65** | Reserved 65 | 0 | |
| **66** | Reserved 66 | 0 | |
| **67** | Reserved 67 | 0 | |
| **68** | Reserved 68 | 0 | |
| **69** | Reserved 69 | 0 | |
| **70** | Reserved 70 | 0 | |
| **71** | Reserved 71 | 0 | |
| **72** | Reserved 72 | 0 | |
| **73** | Reserved 73 | 0 | |
| **74** | Reserved 74 | 0 | |
| **75** | Reserved 75 | 0 | |
| **76** | Red | 0 | |
| **77** | Green | 0 | |
| **78** | Blue | 0 | |
| **79** | White | 0 | |