Elation

# Fuze Wash Z120



| | |
|---|---|
| Manufacturer | **Elation** |
| Type | **Moving head** |
| DMX modes | **4** |
| DMX footprint | **15, 16, 17, 19 channels** |
| Beam angle | **7-55°** |
| Pan range | **540°** |
| Tilt range | **270°** |
| Size (W × H × D) | **250 × 254 × 254 mm** |
| GDTF fixture type | **D61CE99F-0A22-4159-94CB-F0…** |

## Controls

Zoom · Extra LED colours · Hue and saturation · RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · Pan and tilt

## Safety-relevant functions

Strobe · Built-in effect programmes

## DMX modes

| | |
|---|---|
| 15 RGBW | 15 ch |
| 16 HSI | 16 ch |
| 17 RGBI | 17 ch |
| 19 RGBW | 19 ch |

## 15 RGBW

15 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 127 | |
| 2 | Pan Fine | 255 | Fine byte of Pan |
| 3 | Tilt | 128 | |
| 4 | Tilt Fine | 0 | Fine byte of Tilt |
| 5 | Red | 0 | |
| 6 | Green | 0 | |
| 7 | Blue | 0 | |
| 8 | White | 0 | |
| 9 | Shutter / Strobe | 50 | 0–31 Closed<br>32–63 Open<br>64–94 Strobe Min<br>95–95 Strobe Max<br>96–127 Open<br>128–158 Strobe Pulse Min<br>159–159 Strobe Pulse Max<br>160–191 Open<br>192–222 Random Strobe Min<br>223–223 Random Strobe Max<br>224–255 Open |
| 10 | Dimmer | 0 | 0–62 0% (wheel slot 1)<br>63–126 25%<br>127–190 50%<br>191–254 75%<br>255–255 100% |
| 11 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 12 | Zoom | 0 | |
| 13 | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to unit setting |
| 14 | Pan Tilt Mode | 0 | 0–225 Speed maximum to minimum<br>226–235 lackout by movement<br>236–255 No Function |
| 15 | Function | 0 | |

## 16 HSI

16 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 127 | |
| 2 | Pan Fine | 255 | Fine byte of Pan |
| 3 | Tilt | 128 | |
| 4 | Tilt Fine | 0 | Fine byte of Tilt |

## 16 HSI (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Shutter / Strobe | 50 | 0–31 Closed<br>32–63 Open<br>64–94 Strobe Min<br>95–95 Strobe Max<br>96–127 Open<br>128–158 Strobe Pulse Min<br>159–159 Strobe Pulse Max<br>160–191 Open<br>192–222 Random Strobe Min<br>223–223 Random Strobe Max<br>224–255 Open |
| **6** | H SBHue | 0 | 0–62 0 pecent<br>63–126 25 pecent<br>127–190 50 pecent<br>191–254 75 pecent<br>255–255 100 pecent |
| **7** | H SBSaturation | 0 | 0–62 0 pecent<br>63–126 25 pecent<br>127–190 50 pecent<br>191–254 75 pecent<br>255–255 100 pecent |
| **8** | H SBBrightness | 0 | 0–62 0 pecent<br>63–126 25 pecent<br>127–190 50 pecent<br>191–254 75 pecent<br>255–255 100 pecent |

## 16 HSI (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 9 | Color Wheel | 0 | 0–0 Off (wheel slot 65)<br>1–4 Color Preset 1 (wheel slot 1)<br>5–8 Color Preset 2 (wheel slot 2)<br>9–12 Color Preset 3 (wheel slot 3)<br>13–16 Color Preset 4 (wheel slot 4)<br>17–20 Color Preset 5 (wheel slot 5)<br>21–24 Color Preset 6 (wheel slot 6)<br>25–28 Color Preset 7 (wheel slot 7)<br>29–32 Color Preset 8 (wheel slot 8)<br>33–36 Color Preset 9 (wheel slot 9)<br>37–40 Color Preset 10 (wheel slot 10)<br>41–44 Color Preset 11 (wheel slot 11)<br>45–48 Color Preset 12 (wheel slot 12)<br>49–52 Color Preset 13 (wheel slot 13)<br>53–56 Color Preset 14 (wheel slot 14)<br>57–60 Color Preset 15 (wheel slot 15)<br>61–64 Color Preset 16 (wheel slot 16)<br>65–68 Color Preset 17 (wheel slot 17)<br>69–72 Color Preset 18 (wheel slot 18)<br>73–76 Color Preset 19 (wheel slot 19)<br>77–80 Color Preset 20 (wheel slot 20)<br>81–84 Color Preset 21 (wheel slot 21)<br>85–88 Color Preset 22 (wheel slot 22)<br>89–92 Color Preset 23 (wheel slot 23)<br>93–96 Color Preset 24 (wheel slot 24)<br>97–100 Color Preset 25 (wheel slot 25)<br>101–104 Color Preset 26 (wheel slot 26)<br>105–108 Color Preset 27 (wheel slot 27)<br>109–112 Color Preset 28 (wheel slot 28)<br>113–116 Color Preset 29 (wheel slot 29)<br>117–120 Color Preset 30 (wheel slot 30)<br>121–124 Color Preset 31 (wheel slot 31)<br>125–128 Color Preset 32 (wheel slot 32)<br>129–132 Color Preset 33 (wheel slot 33)<br>133–136 Color Preset 34 (wheel slot 34)<br>137–140 Color Preset 35 (wheel slot 35)<br>141–144 Color Preset 36 (wheel slot 36)<br>145–148 Color Preset 37 (wheel slot 37)<br>149–152 Color Preset 38 (wheel slot 38)<br>153–156 Color Preset 39 (wheel slot 39)<br>157–160 Color Preset 40 (wheel slot 40)<br>161–164 Color Preset 41 (wheel slot 41)<br>165–168 Color Preset 42 (wheel slot 42)<br>169–172 Color Preset 43 (wheel slot 43)<br>173–176 Color Preset 44 (wheel slot 44)<br>177–180 Color Preset 45 (wheel slot 45)<br>181–184 Color Preset 46 (wheel slot 46)<br>185–188 Color Preset 47 (wheel slot 47)<br>189–192 Color Preset 48 (wheel slot 48)<br>193–196 Color Preset 49 (wheel slot 49)<br>197–200 Color Preset 50 (wheel slot 50)<br>201–204 Color Preset 51 (wheel slot 51)<br>205–208 Color Preset 52 (wheel slot 52)<br>209–212 Color Preset 53 (wheel slot 53)<br>213–216 Color Preset 54 (wheel slot 54)<br>217–220 Color Preset 55 (wheel slot 55)<br>221–224 Color Preset 56 (wheel slot 56)<br>225–228 Color Preset 57 (wheel slot 57)<br>229–232 Color Preset 58 (wheel slot 58)<br>233–236 Color Preset 59 (wheel slot 59)<br>237–240 Color Preset 60 (wheel slot 60)<br>241–244 Color Preset 61 (wheel slot 61)<br>245–248 Color Preset 62 (wheel slot 62)<br>249–252 Color Preset 63 (wheel slot 63) |

### 16 HSI (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Zoom | 0 | |
| **11** | Effect | 0 | 0–0 No Function<br>1–20 Macro 1<br>21–40 Macro 2<br>41–60 Macro 3<br>61–80 Macro 4<br>81–100 Macro 5<br>101–120 Macro 6<br>121–140 Macro 7<br>141–160 Macro 8<br>161–180 Macro 9<br>181–200 Macro 10<br>201–220 Macro 11<br>221–240 Macro 12<br>241–250 Macro 13<br>251–255 Gradient Color Macro |
| **12** | Effect Speed | 0 | 0–125 Counter Clockwise Movement fast to slow<br>126–130 Stop Movement<br>131–255 Clockwise Movement slow to fast |
| **13** | Effects1Fade | 0 | |
| **14** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to unit setting |
| **15** | Pan Tilt Mode | 0 | 0–225 Speed maximum to minimum<br>226–235 lackout by movement<br>236–255 No Function |
| **16** | Function | 0 | |

## 17 RGBI

17 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 127 | |
| **2** | Pan Fine | 255 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 0 | Fine byte of Tilt |
| **5** | Shutter / Strobe | 50 | 0–31 Closed<br>32–63 Open<br>64–94 Strobe Min<br>95–95 Strobe Max<br>96–127 Open<br>128–158 Strobe Pulse Min<br>159–159 Strobe Pulse Max<br>160–191 Open<br>192–222 Random Strobe Min<br>223–223 Random Strobe Max<br>224–255 Open |
| **6** | Red | 0 | |
| **7** | Green | 0 | |
| **8** | Blue | 0 | |

## 17 RGBI (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 9 | Dimmer | 0 | 0–62 0 pecent<br>63–126 25 pecent<br>127–190 50 pecent<br>191–254 75 pecent<br>255–255 100 pecent |

## 17 RGBI (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Wheel | 0 | 0–0 Off (wheel slot 65)<br>1–4 Color Preset 1 (wheel slot 1)<br>5–8 Color Preset 2 (wheel slot 2)<br>9–12 Color Preset 3 (wheel slot 3)<br>13–16 Color Preset 4 (wheel slot 4)<br>17–20 Color Preset 5 (wheel slot 5)<br>21–24 Color Preset 6 (wheel slot 6)<br>25–28 Color Preset 7 (wheel slot 7)<br>29–32 Color Preset 8 (wheel slot 8)<br>33–36 Color Preset 9 (wheel slot 9)<br>37–40 Color Preset 10 (wheel slot 10)<br>41–44 Color Preset 11 (wheel slot 11)<br>45–48 Color Preset 12 (wheel slot 12)<br>49–52 Color Preset 13 (wheel slot 13)<br>53–56 Color Preset 14 (wheel slot 14)<br>57–60 Color Preset 15 (wheel slot 15)<br>61–64 Color Preset 16 (wheel slot 16)<br>65–68 Color Preset 17 (wheel slot 17)<br>69–72 Color Preset 18 (wheel slot 18)<br>73–76 Color Preset 19 (wheel slot 19)<br>77–80 Color Preset 20 (wheel slot 20)<br>81–84 Color Preset 21 (wheel slot 21)<br>85–88 Color Preset 22 (wheel slot 22)<br>89–92 Color Preset 23 (wheel slot 23)<br>93–96 Color Preset 24 (wheel slot 24)<br>97–100 Color Preset 25 (wheel slot 25)<br>101–104 Color Preset 26 (wheel slot 26)<br>105–108 Color Preset 27 (wheel slot 27)<br>109–112 Color Preset 28 (wheel slot 28)<br>113–116 Color Preset 29 (wheel slot 29)<br>117–120 Color Preset 30 (wheel slot 30)<br>121–124 Color Preset 31 (wheel slot 31)<br>125–128 Color Preset 32 (wheel slot 32)<br>129–132 Color Preset 33 (wheel slot 33)<br>133–136 Color Preset 34 (wheel slot 34)<br>137–140 Color Preset 35 (wheel slot 35)<br>141–144 Color Preset 36 (wheel slot 36)<br>145–148 Color Preset 37 (wheel slot 37)<br>149–152 Color Preset 38 (wheel slot 38)<br>153–156 Color Preset 39 (wheel slot 39)<br>157–160 Color Preset 40 (wheel slot 40)<br>161–164 Color Preset 41 (wheel slot 41)<br>165–168 Color Preset 42 (wheel slot 42)<br>169–172 Color Preset 43 (wheel slot 43)<br>173–176 Color Preset 44 (wheel slot 44)<br>177–180 Color Preset 45 (wheel slot 45)<br>181–184 Color Preset 46 (wheel slot 46)<br>185–188 Color Preset 47 (wheel slot 47)<br>189–192 Color Preset 48 (wheel slot 48)<br>193–196 Color Preset 49 (wheel slot 49)<br>197–200 Color Preset 50 (wheel slot 50)<br>201–204 Color Preset 51 (wheel slot 51)<br>205–208 Color Preset 52 (wheel slot 52)<br>209–212 Color Preset 53 (wheel slot 53)<br>213–216 Color Preset 54 (wheel slot 54)<br>217–220 Color Preset 55 (wheel slot 55)<br>221–224 Color Preset 56 (wheel slot 56)<br>225–228 Color Preset 57 (wheel slot 57)<br>229–232 Color Preset 58 (wheel slot 58)<br>233–236 Color Preset 59 (wheel slot 59)<br>237–240 Color Preset 60 (wheel slot 60)<br>241–244 Color Preset 61 (wheel slot 61)<br>245–248 Color Preset 62 (wheel slot 62)<br>249–252 Color Preset 63 (wheel slot 63) |

### 17 RGBI (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Zoom | 0 | |
| **12** | Effect | 0 | 0–0 No Function<br>1–20 Macro 1<br>21–40 Macro 2<br>41–60 Macro 3<br>61–80 Macro 4<br>81–100 Macro 5<br>101–120 Macro 6<br>121–140 Macro 7<br>141–160 Macro 8<br>161–180 Macro 9<br>181–200 Macro 10<br>201–220 Macro 11<br>221–240 Macro 12<br>241–250 Macro 13<br>251–255 Gradient Color Macro |
| **13** | Effect Speed | 0 | 0–125 Counter Clockwise Movement fast to slow<br>126–130 Stop Movement<br>131–255 Clockwise Movement slow to fast |
| **14** | Effects1Fade | 0 | |
| **15** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to unit setting |
| **16** | Pan Tilt Mode | 0 | 0–225 Speed maximum to minimum<br>226–235 lackout by movement<br>236–255 No Function |
| **17** | Function | 0 | |

## 19 RGBW

19 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 127 | |
| **2** | Pan Fine | 255 | Fine byte of Pan |
| **3** | Tilt | 128 | |
| **4** | Tilt Fine | 0 | Fine byte of Tilt |
| **5** | Red | 0 | |
| **6** | Green | 0 | |
| **7** | Blue | 0 | |
| **8** | White | 0 | |

## 19 RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 9 | Color Wheel | 0 | 0–0 Off (wheel slot 65)<br>1–4 Color Preset 1 (wheel slot 1)<br>5–8 Color Preset 2 (wheel slot 2)<br>9–12 Color Preset 3 (wheel slot 3)<br>13–16 Color Preset 4 (wheel slot 4)<br>17–20 Color Preset 5 (wheel slot 5)<br>21–24 Color Preset 6 (wheel slot 6)<br>25–28 Color Preset 7 (wheel slot 7)<br>29–32 Color Preset 8 (wheel slot 8)<br>33–36 Color Preset 9 (wheel slot 9)<br>37–40 Color Preset 10 (wheel slot 10)<br>41–44 Color Preset 11 (wheel slot 11)<br>45–48 Color Preset 12 (wheel slot 12)<br>49–52 Color Preset 13 (wheel slot 13)<br>53–56 Color Preset 14 (wheel slot 14)<br>57–60 Color Preset 15 (wheel slot 15)<br>61–64 Color Preset 16 (wheel slot 16)<br>65–68 Color Preset 17 (wheel slot 17)<br>69–72 Color Preset 18 (wheel slot 18)<br>73–76 Color Preset 19 (wheel slot 19)<br>77–80 Color Preset 20 (wheel slot 20)<br>81–84 Color Preset 21 (wheel slot 21)<br>85–88 Color Preset 22 (wheel slot 22)<br>89–92 Color Preset 23 (wheel slot 23)<br>93–96 Color Preset 24 (wheel slot 24)<br>97–100 Color Preset 25 (wheel slot 25)<br>101–104 Color Preset 26 (wheel slot 26)<br>105–108 Color Preset 27 (wheel slot 27)<br>109–112 Color Preset 28 (wheel slot 28)<br>113–116 Color Preset 29 (wheel slot 29)<br>117–120 Color Preset 30 (wheel slot 30)<br>121–124 Color Preset 31 (wheel slot 31)<br>125–128 Color Preset 32 (wheel slot 32)<br>129–132 Color Preset 33 (wheel slot 33)<br>133–136 Color Preset 34 (wheel slot 34)<br>137–140 Color Preset 35 (wheel slot 35)<br>141–144 Color Preset 36 (wheel slot 36)<br>145–148 Color Preset 37 (wheel slot 37)<br>149–152 Color Preset 38 (wheel slot 38)<br>153–156 Color Preset 39 (wheel slot 39)<br>157–160 Color Preset 40 (wheel slot 40)<br>161–164 Color Preset 41 (wheel slot 41)<br>165–168 Color Preset 42 (wheel slot 42)<br>169–172 Color Preset 43 (wheel slot 43)<br>173–176 Color Preset 44 (wheel slot 44)<br>177–180 Color Preset 45 (wheel slot 45)<br>181–184 Color Preset 46 (wheel slot 46)<br>185–188 Color Preset 47 (wheel slot 47)<br>189–192 Color Preset 48 (wheel slot 48)<br>193–196 Color Preset 49 (wheel slot 49)<br>197–200 Color Preset 50 (wheel slot 50)<br>201–204 Color Preset 51 (wheel slot 51)<br>205–208 Color Preset 52 (wheel slot 52)<br>209–212 Color Preset 53 (wheel slot 53)<br>213–216 Color Preset 54 (wheel slot 54)<br>217–220 Color Preset 55 (wheel slot 55)<br>221–224 Color Preset 56 (wheel slot 56)<br>225–228 Color Preset 57 (wheel slot 57)<br>229–232 Color Preset 58 (wheel slot 58)<br>233–236 Color Preset 59 (wheel slot 59)<br>237–240 Color Preset 60 (wheel slot 60)<br>241–244 Color Preset 61 (wheel slot 61)<br>245–248 Color Preset 62 (wheel slot 62)<br>249–252 Color Preset 63 (wheel slot 63) |

## 19 RGBW (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Shutter / Strobe | 50 | 0–31 Closed<br>32–63 Open<br>64–94 Strobe Min<br>95–95 Strobe Max<br>96–127 Open<br>128–158 Strobe Pulse Min<br>159–159 Strobe Pulse Max<br>160–191 Open<br>192–222 Random Strobe Min<br>223–223 Random Strobe Max<br>224–255 Open |
| **11** | Dimmer | 0 | 0–62 0% (wheel slot 1)<br>63–126 25%<br>127–190 50%<br>191–254 75%<br>255–255 100% |
| **12** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **13** | Zoom | 0 | |
| **14** | Effect | 0 | 0–0 No Function<br>1–20 Macro 1<br>21–40 Macro 2<br>41–60 Macro 3<br>61–80 Macro 4<br>81–100 Macro 5<br>101–120 Macro 6<br>121–140 Macro 7<br>141–160 Macro 8<br>161–180 Macro 9<br>181–200 Macro 10<br>201–220 Macro 11<br>221–240 Macro 12<br>241–250 Macro 13<br>251–255 Gradient Color Macro |
| **15** | Effect Speed | 0 | 0–125 Counter Clockwise Movement fast to slow<br>126–130 Stop Movement<br>131–255 Clockwise Movement slow to fast |
| **16** | Effects1Fade | 0 | |
| **17** | Dimmer Mode | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default to unit setting |
| **18** | Pan Tilt Mode | 0 | 0–225 Speed maximum to minimum<br>226–235 lackout by movement<br>236–255 No Function |
| **19** | Function | 0 | |