Infinity

# Furion B401 Beam



| | |
|---|---|
| Manufacturer | **Infinity** |
| Type | **Moving head** |
| DMX modes | **2** |
| DMX footprint | **18, 23 channels** |
| Beam angle | **3.6°** |
| Pan range | **540°** |
| Tilt range | **270°** |
| Size (W × H × D) | **232 × 282 × 195 mm** |
| GDTF fixture type | **DB3D38DB-C47F-11E9-9509-52…** |

## Controls

Focus · Frost · Prism · Prism rotation · Colour wheel · Strobe · Dimmer · Movement speed · Gobos

## Safety-relevant functions

Lamp on and off · Fixture reset · Strobe

## DMX modes

| | |
|---|---|
| 18Ch Mode | 18 ch |
| 23Ch Mode | 23 ch |

## 18Ch Mode

18 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 127 | |
| **2** | Pan Fine | 255 | Fine byte of Pan |
| **3** | Tilt | 127 | |
| **4** | Tilt Fine | 255 | Fine byte of Tilt |
| **5** | Dimmer | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **6** | Shutter / Strobe | 12 | 0–7 Closed - Shutter Closed<br>8–15 Open - Shutter Open<br>16–131 Strobe S > F - Strobe<br>132–167 Fast Ope/Slow Close S > F - Strobe Pulse Open<br>168–203 Slow Open/Fast Close S > F - Strobe Pulse Closed<br>204–239 Pulse Strobe S > F - Strobe Pulse Random<br>240–250 Strobe Random S > F - Strobe Random<br>251–255 Open - Shutter Open |

## 18Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 7 | Color Wheel | 0 | 0–2 White - Color (wheel slot 1)<br>3–5 Red - Color (wheel slot 2)<br>6–8 Orange - Color (wheel slot 3)<br>9–11 Dark Yellow - Color (wheel slot 4)<br>12–14 CTO - Color (wheel slot 5)<br>15–17 Neon Green - Color (wheel slot 6)<br>18–20 Dark Green - Color (wheel slot 7)<br>21–23 Magenta - Color (wheel slot 8)<br>24–26 Pink - Color (wheel slot 9)<br>27–29 Light Lavender - Color (wheel slot 10)<br>30–32 Dark Lavender - Color (wheel slot 11)<br>33–35 CTB - Color (wheel slot 12)<br>36–38 Cyan - Color (wheel slot 13)<br>39–41 Dark Blue - Color (wheel slot 14)<br>42–44 Congo Blue - Color (wheel slot 15)<br>45–47 Red + Orange - Color (wheel slot 1)<br>48–50 Red + CTO - Color (wheel slot 1)<br>51–53 Red + Dark Green - Color (wheel slot 1)<br>54–56 Red + Pink - Color (wheel slot 1)<br>57–59 Red + Dark Lavender - Color (wheel slot 1)<br>60–62 Red + Cyan - Color (wheel slot 1)<br>63–65 Red + Congo Blue - Color (wheel slot 1)<br>66–68 Dark Yellow + Orange - Color (wheel slot 1)<br>69–71 Dark Yellow + CTO - Color (wheel slot 1)<br>72–74 Dark Yellow + Dark Green - Color (wheel slot 1)<br>75–77 Dark Yellow + Pink - Color (wheel slot 1)<br>78–80 Dark Yellow + Dark Lavender - Color (wheel slot 1)<br>81–83 Dark Yellow + Cyan - Color (wheel slot 1)<br>84–86 Dark Yellow + Congo Blue - Color (wheel slot 1)<br>87–89 Neon Green + Orange - Color (wheel slot 1)<br>90–92 Neon Green + CTO - Color (wheel slot 1)<br>93–95 Neon Green + Dark Green - Color (wheel slot 1)<br>96–98 Neon Green + Pink - Color (wheel slot 1)<br>99–101 Neon Green + Dark Lavender - Color (wheel slot 1)<br>102–104 Neon Green + Cyan - Color (wheel slot 1)<br>105–107 Neon Green + Congo Blue - Color (wheel slot 1)<br>108–110 Magenta + Orange - Color (wheel slot 1)<br>111–113 Magenta + CTO - Color<br>114–116 Magenta + Dark Green - Color (wheel slot 1)<br>117–119 Magenta + Pink - Color (wheel slot 1)<br>120–122 Magenta + Dark Lavender - Color (wheel slot 1)<br>123–125 Magenta + Cyan - Color (wheel slot 1)<br>126–128 Magenta + Congo Blue - Color (wheel slot 1)<br>129–131 Light Lavender + Orange - Color (wheel slot 1)<br>132–134 Light Lavender + CTO - Color (wheel slot 1)<br>135–137 Light Lavender + Dark Green - Color (wheel slot 1)<br>138–140 Light Lavender + Pink - Color (wheel slot 1)<br>141–143 Light Lavender + Dark Lavender - Color (wheel slot…<br>144–146 Light Lavender + Cyan - Color (wheel slot 1)<br>147–149 Light Lavender + Congo Blue - Color (wheel slot 1)<br>150–152 CTB + Orange - Color (wheel slot 1)<br>153–155 CTB + CTO - Color (wheel slot 1)<br>156–158 CTB + Dark Green - Color (wheel slot 1)<br>159–161 CTB + Pink - Color (wheel slot 1)<br>162–164 CTB + Dark Lavender - Color (wheel slot 1)<br>165–167 CTB + Cyan - Color (wheel slot 1)<br>168–170 CTB + Congo Blue - Color (wheel slot 1)<br>171–173 Dark Blue + Orange - Color (wheel slot 1)<br>174–176 Dark Blue + CTO - Color (wheel slot 1)<br>177–179 Dark Blue + Dark Green - Color (wheel slot 1)<br>180–182 Dark Blue + Pink - Color (wheel slot 1)<br>183–185 Dark Blue + Dark Lavender - Color (wheel slot 1)<br>186–188 Dark Blue + Cyan - Color (wheel slot 1)<br>189–191 Dark Blue + Congo Blue - Color (wheel slot 1) |

## 18Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Color Macro1 | 0 | |
| **9** | Color Mix MSpeed | 0 | 0–10 No Delay - Custom<br>11–50 Delay 0-166ms - Speed<br>51–90 Delay 167-332ms - Speed<br>91–130 Delay 333-499ms - Speed<br>131–170 Delay 500-666ms - Speed<br>171–210 Delay 667-882ms - Speed<br>211–255 Delay 223-1000ms - Speed |
| **10** | Color Effects1 | 0 | |
| **11** | Gobo | 0 | 0–3 Open - Gobo Open (wheel slot 1)<br>4–6 Gobo 1 - Gobo (wheel slot 2)<br>7–9 Gobo 2 - Gobo (wheel slot 3)<br>10–12 Gobo 3 - Gobo (wheel slot 4)<br>13–15 Gobo 4 - Gobo (wheel slot 5)<br>16–18 Gobo 5 - Gobo (wheel slot 6)<br>19–21 Gobo 6 - Gobo (wheel slot 7)<br>22–24 Gobo 7 - Gobo (wheel slot 8)<br>25–27 Gobo 8 - Gobo (wheel slot 9)<br>28–30 Gobo 9 - Gobo (wheel slot 10)<br>31–33 Gobo 10 - Gobo (wheel slot 11)<br>34–36 Gobo 11 - Gobo (wheel slot 12)<br>37–39 Gobo 12 - Gobo (wheel slot 13)<br>40–42 Gobo 13 - Gobo (wheel slot 14)<br>43–45 Gobo 14 - Gobo (wheel slot 15)<br>46–48 Gobo 15 - Gobo (wheel slot 16)<br>49–51 Gobo 16 - Gobo (wheel slot 17)<br>52–55 Gobo 17 - Gobo (wheel slot 18)<br>56–59 Open - Gobo Open (wheel slot 1)<br>60–63 Gobo 1 Shake - Gobo Shake (wheel slot 2)<br>64–67 Gobo 2 Shake - Gobo Shake (wheel slot 3)<br>68–71 Gobo 3 Shake - Gobo Shake (wheel slot 4)<br>72–75 Gobo 4 Shake - Gobo Shake (wheel slot 5)<br>76–79 Gobo 5 Shake - Gobo Shake (wheel slot 6)<br>80–83 Gobo 6 Shake - Gobo Shake (wheel slot 7)<br>84–87 Gobo 7 Shake - Gobo Shake (wheel slot 8)<br>88–91 Gobo 8 Shake - Gobo Shake (wheel slot 9)<br>92–95 Gobo 9 Shake - Gobo Shake (wheel slot 10)<br>96–99 Gobo 10 Shake - Gobo Shake (wheel slot 11)<br>100–103 Gobo 11 Shake - Gobo Shake (wheel slot 12)<br>104–107 Gobo 12 Shake - Gobo Shake (wheel slot 13)<br>108–111 Gobo 13 Shake - Gobo Shake (wheel slot 14)<br>112–115 Gobo 14 Shake - Gobo Shake (wheel slot 15)<br>116–119 Gobo 15 Shake - Gobo Shake (wheel slot 16)<br>120–123 Gobo 16 Shake - Gobo Shake (wheel slot 17)<br>124–127 Gobo 17 Shake - Gobo Shake (wheel slot 18)<br>128–189 F > S - Rotate CW<br>190–193 Stop - Stop Loop<br>194–255 S > F - Rotate CCW |
| **12** | Prism | 0 | 0–4 No Func - Custom<br>5–255 Prism - Prism (wheel slot 1) |
| **13** | Prism Rotation | 0 | 0–45 Indexing - Indexing<br>46–126 F > S - Rotate CW<br>127–130 Stop - Stop Loop<br>131–211 S > F - Rotate CCW<br>212–255 Back And Forth - Movement |
| **14** | Prism | 0 | 0–4 No Func - Custom<br>5–255 Prism - Prism (wheel slot 1) |

### 18Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Prism Rotation | 0 | 0–45 Indexing - Indexing<br>46–126 F > S - Rotate CW<br>127–130 Stop - Stop Loop<br>131–211 S > F - Rotate CCW<br>212–255 Back And Forth - Movement |
| **16** | Focus | 127 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **17** | Frost1 | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **18** | Function | 0 | 0–5 No Func - Custom<br>6–11 Pan Reverse - Custom<br>12–17 Pan Normal - Custom<br>18–23 Tilt Revere - Custom<br>24–29 Tilt Normal - Custom<br>30–35 Pan Auto Reverse On - Custom<br>36–41 Pan Auto Reverse Off - Custom<br>42–47 BO Dur P/T Movement On - Blackout<br>48–53 BO Dur P/T Movement Off - Blackout<br>54–59 BO Dur Col Wheel Movement On - Blackout<br>60–65 BO Dur Col Wheel Movement Off - Blackout<br>66–71 BO Dur Gobo Wheel Movement On - Blackout<br>72–77 BO Dur Gobo Wheel Movement Off - Blackout<br>78–95 No Func - Custom<br>96–101 DMX Fail: Hold - Custom<br>102–107 DMX Fail: Off - Custom<br>108–113 Lamp On - Lamp on<br>114–119 Lamp Off - Lamp off<br>120–125 Blackout All On - Blackout<br>126–131 Blackout All Off - Blackout<br>132–167 No Func - Custom<br>168–173 Reset P/T After 3Sec - Reset<br>174–179 Reset Prism After 3Sec - Reset<br>180–185 Reset Color After 3Sec - Reset<br>186–191 Reset Gobo After 3Sec - Reset<br>192–197 Reset Frost/Foc After 3Sec - Reset<br>198–209 No Func - Custom<br>210–215 Reset All - Reset<br>216–255 No Func - Custom |

## 23Ch Mode

23 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 127 | |
| **2** | Pan Fine | 255 | Fine byte of Pan |
| **3** | Tilt | 127 | |
| **4** | Tilt Fine | 255 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **6** | Dimmer | 0 | |
| **7** | Dimmer Fine | 0 | Fine byte of Dimmer |

## 23Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Shutter / Strobe | 12 | 0–7 Closed - Shutter Closed<br>8–15 Open - Shutter Open<br>16–131 Strobe S > F - Strobe<br>132–167 Fast Ope/Slow Close S > F - Strobe Pulse Open<br>168–203 Slow Open/Fast Close S > F - Strobe Pulse Closed<br>204–239 Pulse Strobe S > F - Strobe Pulse Random<br>240–250 Strobe Random S > F - Strobe Random<br>251–255 Open - Shutter Open |

## 23Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 9 | Color Wheel | 0 | 0–2 White - Color (wheel slot 1)<br>3–5 Red - Color (wheel slot 2)<br>6–8 Orange - Color (wheel slot 3)<br>9–11 Dark Yellow - Color (wheel slot 4)<br>12–14 CTO - Color (wheel slot 5)<br>15–17 Neon Green - Color (wheel slot 6)<br>18–20 Dark Green - Color (wheel slot 7)<br>21–23 Magenta - Color (wheel slot 8)<br>24–26 Pink - Color (wheel slot 9)<br>27–29 Light Lavender - Color (wheel slot 10)<br>30–32 Dark Lavender - Color (wheel slot 11)<br>33–35 CTB - Color (wheel slot 12)<br>36–38 Cyan - Color (wheel slot 13)<br>39–41 Dark Blue - Color (wheel slot 14)<br>42–44 Congo Blue - Color (wheel slot 15)<br>45–47 Red + Orange - Color (wheel slot 1)<br>48–50 Red + CTO - Color (wheel slot 1)<br>51–53 Red + Dark Green - Color (wheel slot 1)<br>54–56 Red + Pink - Color (wheel slot 1)<br>57–59 Red + Dark Lavender - Color (wheel slot 1)<br>60–62 Red + Cyan - Color (wheel slot 1)<br>63–65 Red + Congo Blue - Color (wheel slot 1)<br>66–68 Dark Yellow + Orange - Color (wheel slot 1)<br>69–71 Dark Yellow + CTO - Color (wheel slot 1)<br>72–74 Dark Yellow + Dark Green - Color (wheel slot 1)<br>75–77 Dark Yellow + Pink - Color (wheel slot 1)<br>78–80 Dark Yellow + Dark Lavender - Color (wheel slot 1)<br>81–83 Dark Yellow + Cyan - Color (wheel slot 1)<br>84–86 Dark Yellow + Congo Blue - Color (wheel slot 1)<br>87–89 Neon Green + Orange - Color (wheel slot 1)<br>90–92 Neon Green + CTO - Color (wheel slot 1)<br>93–95 Neon Green + Dark Green - Color (wheel slot 1)<br>96–98 Neon Green + Pink - Color (wheel slot 1)<br>99–101 Neon Green + Dark Lavender - Color (wheel slot 1)<br>102–104 Neon Green + Cyan - Color (wheel slot 1)<br>105–107 Neon Green + Congo Blue - Color (wheel slot 1)<br>108–110 Magenta + Orange - Color (wheel slot 1)<br>111–113 Magenta + CTO - Color<br>114–116 Magenta + Dark Green - Color (wheel slot 1)<br>117–119 Magenta + Pink - Color (wheel slot 1)<br>120–122 Magenta + Dark Lavender - Color (wheel slot 1)<br>123–125 Magenta + Cyan - Color (wheel slot 1)<br>126–128 Magenta + Congo Blue - Color (wheel slot 1)<br>129–131 Light Lavender + Orange - Color (wheel slot 1)<br>132–134 Light Lavender + CTO - Color (wheel slot 1)<br>135–137 Light Lavender + Dark Green - Color (wheel slot 1)<br>138–140 Light Lavender + Pink - Color (wheel slot 1)<br>141–143 Light Lavender + Dark Lavender - Color (wheel slot…<br>144–146 Light Lavender + Cyan - Color (wheel slot 1)<br>147–149 Light Lavender + Congo Blue - Color (wheel slot 1)<br>150–152 CTB + Orange - Color (wheel slot 1)<br>153–155 CTB + CTO - Color (wheel slot 1)<br>156–158 CTB + Dark Green - Color (wheel slot 1)<br>159–161 CTB + Pink - Color (wheel slot 1)<br>162–164 CTB + Dark Lavender - Color (wheel slot 1)<br>165–167 CTB + Cyan - Color (wheel slot 1)<br>168–170 CTB + Congo Blue - Color (wheel slot 1)<br>171–173 Dark Blue + Orange - Color (wheel slot 1)<br>174–176 Dark Blue + CTO - Color (wheel slot 1)<br>177–179 Dark Blue + Dark Green - Color (wheel slot 1)<br>180–182 Dark Blue + Pink - Color (wheel slot 1)<br>183–185 Dark Blue + Dark Lavender - Color (wheel slot 1)<br>186–188 Dark Blue + Cyan - Color (wheel slot 1)<br>189–191 Dark Blue + Congo Blue - Color (wheel slot 1) |

## 23Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Macro1 | 0 | |
| **11** | Color Mix MSpeed | 0 | 0–10 No Delay - Custom<br>11–50 Delay 0-166ms - Speed<br>51–90 Delay 167-332ms - Speed<br>91–130 Delay 333-499ms - Speed<br>131–170 Delay 500-666ms - Speed<br>171–210 Delay 667-882ms - Speed<br>211–255 Delay 223-1000ms - Speed |
| **12** | Color Effects1 | 0 | |
| **13** | Gobo | 0 | 0–3 Open - Gobo Open (wheel slot 1)<br>4–6 Gobo 1 - Gobo (wheel slot 2)<br>7–9 Gobo 2 - Gobo (wheel slot 3)<br>10–12 Gobo 3 - Gobo (wheel slot 4)<br>13–15 Gobo 4 - Gobo (wheel slot 5)<br>16–18 Gobo 5 - Gobo (wheel slot 6)<br>19–21 Gobo 6 - Gobo (wheel slot 7)<br>22–24 Gobo 7 - Gobo (wheel slot 8)<br>25–27 Gobo 8 - Gobo (wheel slot 9)<br>28–30 Gobo 9 - Gobo (wheel slot 10)<br>31–33 Gobo 10 - Gobo (wheel slot 11)<br>34–36 Gobo 11 - Gobo (wheel slot 12)<br>37–39 Gobo 12 - Gobo (wheel slot 13)<br>40–42 Gobo 13 - Gobo (wheel slot 14)<br>43–45 Gobo 14 - Gobo (wheel slot 15)<br>46–48 Gobo 15 - Gobo (wheel slot 16)<br>49–51 Gobo 16 - Gobo (wheel slot 17)<br>52–55 Gobo 17 - Gobo (wheel slot 18)<br>56–59 Open - Gobo Open (wheel slot 1)<br>60–63 Gobo 1 Shake - Gobo Shake (wheel slot 2)<br>64–67 Gobo 2 Shake - Gobo Shake (wheel slot 3)<br>68–71 Gobo 3 Shake - Gobo Shake (wheel slot 4)<br>72–75 Gobo 4 Shake - Gobo Shake (wheel slot 5)<br>76–79 Gobo 5 Shake - Gobo Shake (wheel slot 6)<br>80–83 Gobo 6 Shake - Gobo Shake (wheel slot 7)<br>84–87 Gobo 7 Shake - Gobo Shake (wheel slot 8)<br>88–91 Gobo 8 Shake - Gobo Shake (wheel slot 9)<br>92–95 Gobo 9 Shake - Gobo Shake (wheel slot 10)<br>96–99 Gobo 10 Shake - Gobo Shake (wheel slot 11)<br>100–103 Gobo 11 Shake - Gobo Shake (wheel slot 12)<br>104–107 Gobo 12 Shake - Gobo Shake (wheel slot 13)<br>108–111 Gobo 13 Shake - Gobo Shake (wheel slot 14)<br>112–115 Gobo 14 Shake - Gobo Shake (wheel slot 15)<br>116–119 Gobo 15 Shake - Gobo Shake (wheel slot 16)<br>120–123 Gobo 16 Shake - Gobo Shake (wheel slot 17)<br>124–127 Gobo 17 Shake - Gobo Shake (wheel slot 18)<br>128–189 F > S - Rotate CW<br>190–193 Stop - Stop Loop<br>194–255 S > F - Rotate CCW |
| **14** | Prism | 0 | 0–4 No Func - Custom<br>5–255 Prism - Prism (wheel slot 1) |
| **15** | Prism Rotation | 0 | 0–44 Indexing - Indexing<br>45–125 F > S - Rotate CW<br>126–130 Stop - Stop Loop<br>131–211 S > F - Rotate CCW<br>212–255 Back And Forth - Movement |
| **16** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **17** | Prism | 0 | 0–4 No Func - Custom<br>5–255 Prism - Prism (wheel slot 1) |

## 23Ch Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Prism Rotation | 0 | 0–44 Indexing - Indexing<br>45–125 F > S - Rotate CW<br>126–130 Stop - Stop Loop<br>131–211 S > F - Rotate CCW<br>212–255 Back And Forth - Movement |
| **19** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **20** | Focus | 127 | |
| **21** | Focus Fine | 255 | Fine byte of Focus |
| **22** | Frost1 | 0 | 0–0 Min<br>1–254 Min > Max<br>255–255 Max |
| **23** | Function | 0 | 0–5 No Func - Custom<br>6–11 Pan Reverse - Custom<br>12–17 Pan Normal - Custom<br>18–23 Tilt Revere - Custom<br>24–29 Tilt Normal - Custom<br>30–35 Pan Auto Reverse On - Custom<br>36–41 Pan Auto Reverse Off - Custom<br>42–47 BO Dur P/T Movement On - Blackout<br>48–53 BO Dur P/T Movement Off - Blackout<br>54–59 BO Dur Col Wheel Movement On - Blackout<br>60–65 BO Dur Col Wheel Movement Off - Blackout<br>66–71 BO Dur Gobo Wheel Movement On - Blackout<br>72–77 BO Dur Gobo Wheel Movement Off - Blackout<br>78–95 No Func - Custom<br>96–101 DMX Fail: Hold - Custom<br>102–107 DMX Fail: Off - Custom<br>108–113 Lamp On - Lamp on<br>114–119 Lamp Off - Lamp off<br>120–125 Blackout All On - Blackout<br>126–131 Blackout All Off - Blackout<br>132–167 No Func - Custom<br>168–173 Reset P/T After 3Sec - Reset<br>174–179 Reset Prism After 3Sec - Reset<br>180–185 Reset Color After 3Sec - Reset<br>186–191 Reset Gobo After 3Sec - Reset<br>192–197 Reset Frost/Foc After 3Sec - Reset<br>198–209 No Func - Custom<br>210–215 Reset All - Reset<br>216–255 No Func - Custom |