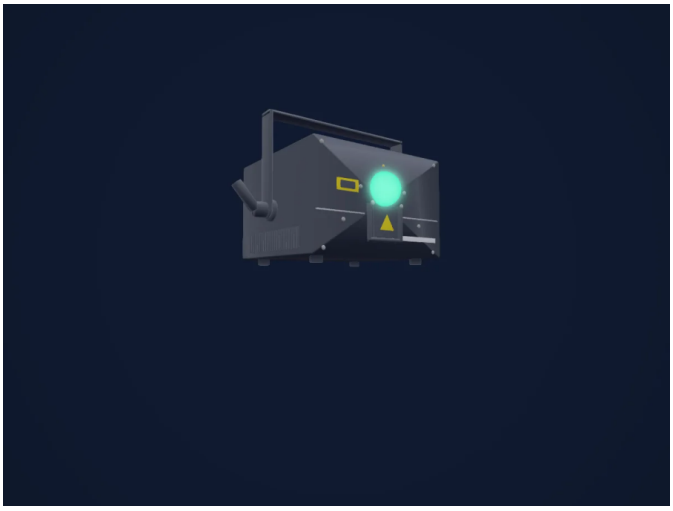
Laserworld

DS-3000RGB MK4



Manufacturer	**Laserworld**
Type	**Laser**
DMX modes	**2**
DMX footprint	**19, 34 channels**
Size (W × H × D)	**319 × 198 × 230 mm**
GDTF fixture type	**30DC2712-1CE0-574D-8B10-FB...**

Controls

RGB colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Gobos · Gobo rotation

Safety-relevant functions

Laser output

DMX modes

DJ Mode	19 ch
Professional Mode	34 ch

DJ Mode

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Laser off 1–255 Increase intensity (full intensity = 255)

DJ Mode (continued)

Ch	Function	Default	DMX values
2	Gobo	0	0–0 Blackout (000.ild must not exist) (wheel slot 1) 1–1 001.ild (wheel slot 2) 2–2 002.ild (wheel slot 3) 3–3 003.ild (wheel slot 4) 4–4 004.ild (wheel slot 5) 5–5 005.ild (wheel slot 6) 6–6 006.ild (wheel slot 7) 7–7 007.ild (wheel slot 8) 8–8 008.ild (wheel slot 9) 9–9 009.ild (wheel slot 10) 10–10 010.ild (wheel slot 11) 11–11 011.ild (wheel slot 12) 12–12 012.ild (wheel slot 13) 13–13 013.ild (wheel slot 14) 14–14 014.ild (wheel slot 15) 15–15 015.ild (wheel slot 16) 16–16 016.ild (wheel slot 17) 17–17 017.ild (wheel slot 18) 18–18 018.ild (wheel slot 19) 19–19 019.ild (wheel slot 20) 20–20 020.ild (wheel slot 21) 21–21 021.ild (wheel slot 22) 22–22 022.ild (wheel slot 23) 23–23 023.ild (wheel slot 24) 24–24 024.ild (wheel slot 25) 25–25 025.ild (wheel slot 26) 26–26 026.ild (wheel slot 27) 27–27 027.ild (wheel slot 28) 28–28 028.ild (wheel slot 29) 29–29 029.ild (wheel slot 30) 30–30 030.ild (wheel slot 31) 31–31 031.ild (wheel slot 32) 32–32 032.ild (wheel slot 33) 33–33 033.ild (wheel slot 34) 34–34 034.ild (wheel slot 35) 35–35 035.ild (wheel slot 36) 36–36 036.ild (wheel slot 37) 37–37 037.ild (wheel slot 38) 38–38 038.ild (wheel slot 39) 39–39 039.ild (wheel slot 40) 40–40 040.ild (wheel slot 41) 41–41 041.ild (wheel slot 42) 42–42 042.ild (wheel slot 43) 43–43 043.ild (wheel slot 44) 44–44 044.ild (wheel slot 45) 45–45 045.ild (wheel slot 46) 46–46 046.ild (wheel slot 47) 47–47 047.ild (wheel slot 48) 48–48 048.ild (wheel slot 49) 49–49 049.ild (wheel slot 50) 50–50 050.ild (wheel slot 51) 51–51 051.ild (wheel slot 52) 52–52 052.ild (wheel slot 53) 53–53 053.ild (wheel slot 54) 54–54 054.ild (wheel slot 55) 55–55 055.ild (wheel slot 56) 56–56 056.ild (wheel slot 57) 57–57 057.ild (wheel slot 58) 58–58 058.ild (wheel slot 59) 59–59 059.ild (wheel slot 60) 60–60 060.ild (wheel slot 61) 61–61 061.ild (wheel slot 62) 62–62 062.ild (wheel slot 63) 63–63 063.ild (wheel slot 64)

DJ Mode (continued)

Ch	Function	Default	DMX values
3	Laser Framerate	0	0–15 Standard speed: 50 fps 16–255 Increasing speed from 0 fps to 100 fps
4	Laser Size	0	0–127 Decreasing size X + Y-axis 128–191 Decreasing size X-axis 192–255 Decreasing size Y-axis
5	Laser Auto Size	0	0–63 Full size 64–127 Changing size automatically X + Y-axis (increasing s... 128–191 Changing size automatically X-axis (increasing spe... 192–255 Changing size automatically Y-axis (increasing spe...
6	Gobo Rotation	0	0–192 Manual rotation 193–224 Automatic rotation anti-clockwise (increasing speed) 225–255 Automatic rotation clockwise (increasing speed)
7	Pan	0	0–0 0 = center 1–255 Position X-axis
8	Pan Fine	0	Fine byte of Pan
9	Tilt	0	0–0 0 = center 1–255 Position Y-axis
10	Tilt Fine	0	Fine byte of Tilt
11	Laser Color Effect	0	0–15 Show pattern in original colors 16–79 Show pattern in different colors (monochrome) 80–143 Re-color effects: Original colors are replaced by ne... 144–255 Automatic change of re-color effects
12	Laser Fade Effect	0	0–127 Smooth color fade effect to the re-color effect;Value ... 128–192 Blocking color effect to the re-color effect; Value o... 193–255 Automatic change of color fade effects
13	Shutter / Strobe	0	0–15 Open 16–255 Increasing strobe effect
14	Laser Operation Mode	0	0–19 DMX 20–83 Automatic position X & Y-axis 84–147 Automatic position X-axis 148–211 Automatic position Y-axis 212–233 Demonstration mode 234–255 Sound-to-light
15	Laser Scan Speed	0	0–31 Default 32–255 Increasing scan speed (from 5 kpps to 30 kpps)
16	Laser Safety Zone Size	0	0–63 Size of horizontal safety zone; Safety zone is the botto... 64–127 Size of horizontal safety zone; Safety zone is the up... 128–191 Size of vertical safety zone; Safety zone is the left p... 192–255 Size of the vertical safety zone; Safety zone is the r...
17	Laser Safety Zone Intensity	0	0–0 No reduction 1–128 Decrease brightness up to half brightness 129–255 Decrease brightness up to blackout
18	Laser Blanking	0	0–192 Manual select how much of the laser pattern shall be... 193–255 Automatic blanking (increasing speed)
19	Laser Blank Shift	0	0–192 Manual select the pattern part the blanking of chann... 193–255 Automatic blank shift (increasing speed)

Professional Mode

34 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–0 Laser off 1–255 Increase intensity (full intensity = 255)

Professional Mode (continued)

Ch	Function	Default	DMX values
2	Gobo	0	0–0 Blackout (000.ild must not exist) (wheel slot 1) 1–1 001.ild (wheel slot 2) 2–2 002.ild (wheel slot 3) 3–3 003.ild (wheel slot 4) 4–4 004.ild (wheel slot 5) 5–5 005.ild (wheel slot 6) 6–6 006.ild (wheel slot 7) 7–7 007.ild (wheel slot 8) 8–8 008.ild (wheel slot 9) 9–9 009.ild (wheel slot 10) 10–10 010.ild (wheel slot 11) 11–11 011.ild (wheel slot 12) 12–12 012.ild (wheel slot 13) 13–13 013.ild (wheel slot 14) 14–14 014.ild (wheel slot 15) 15–15 015.ild (wheel slot 16) 16–16 016.ild (wheel slot 17) 17–17 017.ild (wheel slot 18) 18–18 018.ild (wheel slot 19) 19–19 019.ild (wheel slot 20) 20–20 020.ild (wheel slot 21) 21–21 021.ild (wheel slot 22) 22–22 022.ild (wheel slot 23) 23–23 023.ild (wheel slot 24) 24–24 024.ild (wheel slot 25) 25–25 025.ild (wheel slot 26) 26–26 026.ild (wheel slot 27) 27–27 027.ild (wheel slot 28) 28–28 028.ild (wheel slot 29) 29–29 029.ild (wheel slot 30) 30–30 030.ild (wheel slot 31) 31–31 031.ild (wheel slot 32) 32–32 032.ild (wheel slot 33) 33–33 033.ild (wheel slot 34) 34–34 034.ild (wheel slot 35) 35–35 035.ild (wheel slot 36) 36–36 036.ild (wheel slot 37) 37–37 037.ild (wheel slot 38) 38–38 038.ild (wheel slot 39) 39–39 039.ild (wheel slot 40) 40–40 040.ild (wheel slot 41) 41–41 041.ild (wheel slot 42) 42–42 042.ild (wheel slot 43) 43–43 043.ild (wheel slot 44) 44–44 044.ild (wheel slot 45) 45–45 045.ild (wheel slot 46) 46–46 046.ild (wheel slot 47) 47–47 047.ild (wheel slot 48) 48–48 048.ild (wheel slot 49) 49–49 049.ild (wheel slot 50) 50–50 050.ild (wheel slot 51) 51–51 051.ild (wheel slot 52) 52–52 052.ild (wheel slot 53) 53–53 053.ild (wheel slot 54) 54–54 054.ild (wheel slot 55) 55–55 055.ild (wheel slot 56) 56–56 056.ild (wheel slot 57) 57–57 057.ild (wheel slot 58) 58–58 058.ild (wheel slot 59) 59–59 059.ild (wheel slot 60) 60–60 060.ild (wheel slot 61) 61–61 061.ild (wheel slot 62) 62–62 062.ild (wheel slot 63) 63–63 063.ild (wheel slot 64)

Professional Mode (continued)

Ch	Function	Default	DMX values
3	Laser Framerate	128	0–127 Increasing speed from 0 fps to 50 fps 128–128 Standard speed 50 fps 129–255 Increasing speed from 50 fps to 100 fps
4	Pan	128	
5	Pan Fine	0	Fine byte of Pan
6	Tilt	128	
7	Tilt Fine	0	Fine byte of Tilt
8	Gobo Rotation	128	
9	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
10	Horizontal Size	0	
11	Vertical Size	0	
12	Inversion	0	0–63 None 64–127 Invert X-axis 128–191 Invert Y-axis 192–255 Invert X + Y-axis
13	Color Macro1	240	0–15 Original pattern colors 16–47 red (16) 48–79 yellow (48) 80–111 green (80) 112–143 cyan (112) 144–175 blue (144) 176–207 purple (176) 208–223 White with half intensity for each color channel 224–239 White with full intensity for each color channel 240–255 Enables channels 14 -16 to select a specific hue
14	Color RGBRed	255	
15	Color RGBGreen	255	
16	Color RGBBlue	255	
17	Shutter / Strobe	0	0–15 Open 16–255 Increasing strobe effect
18	Laser Scan Speed	0	0–15 Default 16–255 Increasing scan speed (from 5 kpps to 40 kpps)
19	Laser Safety Zone Size	0	0–63 Size of horizontal safety zone; Safety zone is the botto... 64–127 Size of horizontal safety zone; Safety zone is the up... 128–191 Size of vertical safety zone; Safety zone is the left p... 192–255 Size of the vertical safety zone; Safety zone is the r...
20	Laser Safety Zone Intensity	0	
21	Color Balance Red	0	
22	Color Balance Green	0	
23	Color Balance Blue	0	
24	Laser Mode Select1	0	0–133 Show Mode 134–135 Setup Mode (only in combination with channel 25) 136–203 Show Mode 204–205 Save Settings (only in combination with channel 25) 206–210 Show Mode 211–212 Reset Settings (only in combination with channel 25) 213–255 Show Mode
25	Laser Mode Select2	0	0–31 Show Mode 32–33 Reset Settings (only in combination with channel 24) 34–93 Show Mode 94–95 Setup Mode (only in combination with channel 24) 96–167 Show Mode 168–169 Save Settings (only in combination with channel 24) 170–255 Show Mode

Professional Mode (continued)

Ch	Function	Default	DMX values
26	Laser Geo Trapezoid X	127	
27	Laser Geo Trapezoid Y	127	
28	Laser Geo Barrel X	127	
29	Laser Geo Barrel Y	127	
30	No Feature	0	
31	No Feature	0	
32	No Feature	0	
33	No Feature	0	
34	No Feature	0	

Fixture model: gdtf-laserworld-ds-3000rgb-mk4-202611091701
Creator: HitLight
Modifications: Original HitLight 3D housing: scripted parametric geometry modelled by HitLight from public product photos and the manufactu...