

37CH	47CH	Function	DMX values
1	1	Pan	0–255 0–540°
2	2	Pan fine	0–255
3	3	Tilt	0–255 0–270°
4	4	Tilt fine	0–255
5	5	Color wheel	0–7 Open • 8–15 Red • 16–23 Yellow • 24–31 Green • 32–39 Purple • 40–47 High-CRI • 48–55 Quad-color • 56–63 Open • 64–221 Continuous • 222–238 Rainbow L • 239–255 Rainbow R
–	6	Color wheel fine	0–255
6	7	Cyan	0–255 0–100%
7	8	Magenta	0–255 0–100%
8	9	Yellow	0–255 0–100%
9	10	CTO	0–255 0–100%
10	11	Static gobo wheel	0–7 Open • Gobo 1–8: 8–15, 16–23 ... 64–71 (8 steps each) • 72–79 Open • 80–87 Open • Gobo 1–8 shake: 88–95 ... 144–151 • 152–203 Scroll L • 204–255 Scroll R
11	12	Rotating gobo wheel	0–7 Open • Gobo 1–7: 8–15 ... 56–63 (8 steps each) • 64–71 Open • 72–79 Open • Gobo 1–7 shake: 80–87 ... 128–135 • 136–195 Scroll L • 196–255 Scroll R
12	13	Gobo rotation	0–3 None • 4–123 Index • 124–187 Rotate L • 188–191 Stop • 192–255 Rotate R
13	14	Gobo rotation fine	0–255
14	15	Dimmer	0–255 0–100%
–	16	Dimmer fine	0–255
15	17	Shutter / strobe	0–3 Open • 4–67 Strobe • 68–99 Ramp up • 100–131 Ramp down • 132–175 Half open • 176–247 Pulse • 248–251 Random sync • 252–255 Random async
–	18	LED refresh / smoothing	0–31 13,672 Hz on • 32–63 13,672 Hz off • 64–95 600 Hz on • 96–127 600 Hz off • 128–159 300 Hz on • 160–191 300 Hz off • 192–223 1,200 Hz on • 224–255 1,200 Hz off
–	19	Dimmer curve	0–31 Square • 32–63 Linear • 64–95 Inverse square • 96–127 S-curve • 128–255 Reserved
16	20	Prism 1 (circular)	0–31 Out • 32–255 In
17	21	Prism 1 rotation	0–3 None • 4–123 Index • 124–187 Rotate L • 188–191 Stop • 192–255 Rotate R
18	22	Prism 2 (linear)	0–31 Out • 32–255 In
19	23	Prism 2 rotation	0–3 None • 4–123 Index • 124–187 Rotate L • 188–191 Stop • 192–255 Rotate R
20	24	Zoom	0–255 Wide to narrow
–	25	Zoom fine	0–255
21	26	Focus	0–255
–	27	Focus fine	0–255
–	28	Auto-focus distance	0–3 Off • 4–63 5 m • 64–127 7.5 m • 128–191 10 m • 192–255 15 m
–	29	Auto-focus fine	0–255
22	30	Iris	0–127 Open to closed • 128–135 Closed • 136–173 Pulse 1 • 174–211 Pulse 2 • 212–249 Pulse 3 • 250–255 Closed
23	31	Frost 1	0–9 Out • 10–255 Linear
24	32	Frost 2	0–9 Out • 10–255 Linear
25	33	Animation wheel	0–7 Out • 8–255 Linear insertion
26	34	Animation rotation	0–7 None • 8–127 Rotate L • 128–135 Stop • 136–255 Rotate R
27–34	35–42	Framing blades	1A, 1B, 2A, 2B, 3A, 3B, 4A, 4B • 0–255 each
35	43	Framing rotation	0–7 None • 8–239 Angle • 240–255 Swing L/R
–	44	Framing rotation fine	0–255
36	45	Framing macros	0–3 Off • 4–255 63 macros (4 values each)
–	46	Pan / tilt speed	0–15 Fastest • 16–31 Fast • 32–47 Slow • 48–63 Slowest • 64–255 Reserved
37	47	Control *	20–29 Reset all • 30–39 Pan/tilt • 40–49 Color/gobo/CMY/CTO • 50–59 Zoom/focus/prism/frost • 60–69 Animation/iris/framing • 70–74 Display default • 75–79 Display off • 80–84 Display on • 85–89 Fan low • 90–94 Fan medium • 95–99 Fan high

Address spacing: 37CH 001, 038, 075, 112... | 47CH 001, 048, 095, 142... **Channel mode:** SETTING > CHANNEL SET (setting-lock code 1234) – = channel not present in that mode.

* Control functions take effect after the value is held for more than 8 seconds; return the channel to 0 afterwards. Display and fan settings: display on/off is not stored at power-off; fan settings are stored.