

- DMX mode (D001)**

Change the DMX address by using the UP and/or DOWN buttons and confirm the DMX address by pressing the DIR button. By pressing the UP or DOWN buttons for 3 seconds, the DMX values increases / decreases in intervals of +/- 10. The DMX mode only works when a DMX controller is connected to the laser.

The laser uses 12 DMX channels, which are explained in the following table.

Channel	Value	Function
1 Mode Select	0 - 63	Laser off
	64 - 127	Music mode
	128 - 159	Auto mode (beam patterns)
	160 - 191	Auto mode (graphics)
	192 - 255	DMX mode
2 Pattern selection	0 - 87	Graphics patterns
	88 - 253	Beam patterns
	254 - 255	Laser off
3 Strobe	0	no strobe
	1 - 255	Strobe (fast to slow)
4 X-axis movement	0	no movement
	1 - 167	manual positioning / offset
	168 - 188	movement left to right (slow to fast)
	189 - 209	movement right to left
	210 - 254	movement left to right
	255	no movement
5 Y-axis movement	0	no movement
	1 - 167	manual positioning
	168 - 188	movement top to bottom (slow to fast)
	189 - 209	movement bottom to top
	210 - 254	movement top to bottom
	255	no movement
6 Zoom	0 - 10	no zoom
	11 - 104	manual zoom (small to big)
	105 - 154	small to big (increasing speed)
	155 - 204	big to small (increasing speed)
	205 - 255	big <--> small (increasing speed)
	255	opposite zoom of X- and Y-axis
7 Y-axis rotation	0	no rotation
	1 - 150	manual positioning
	151 - 255	rotation (increasing speed)
8 X-axis rotation	0	no rotation
	1 - 150	manual positioning
	151 - 255	rotation (increasing speed)
9 Z-axis rotation	0	no rotation
	1 - 180	Manual positioning
	181 - 217	Rotation clockwise (increasing speed)
	218 - 255	Rotation anti-clockwise (increasing speed)
10 Blanking	0 - 70	no blanking
	71 - 139	Dot visibility (fast to slow)
	140 - 209	dashed lines
	210 - 255	point selection
11 Sinus movement	0	no movement
	1 - 127	manual positioning
	128 - 191	left to right (fast to slow)
	192 - 255	right to left (fast to slow)
12 Color	0 - 19	white
	20 - 39	red
	40 - 59	green
	60 - 79	blue
	80 - 99	yellow
	100 - 119	purple
	120 - 138	cyan
	139 - 164	multi-color
	165 - 248	changing multi-color (fast to slow)
	249 - 254	changing multi-color 2
	255	multi-color 2 (no red)