

DMX PROTOCOL



MULTI-CHANNEL MODE

DMX Channel	DMX Value	Description
1	0 - 11	Lamp ON/OFF
	12 - 193	Lamp OFF
	194 - 255	Lamp ON
		Gobo strobe: slow → fast
2	0 - 11	Trigger Mode
	12 - 127	Off
	128 - 255	Music triggered
		Controller triggered - triggers when DMX level crosses 195
3		Parabol Speed
		The rotation time is equal to the trigger decay if trigger mode is set to music or controller.
	0 - 91	Rotation CW, fast → slow
	92 - 98	Stop
	99 - 189	Rotation CCW, slow → fast
	190 - 231	Random CW/CCW slow (music/controller triggered)
	232 - 255	Random CW/CCW fast (music/controller triggered)
4	0 - 4	Trigger Decay
	5 - 252	0 seconds
		0.2 to 9.9 seconds
	253 - 255	Random (music/controller triggered)

DMX Channel	DMX Value	Description
5	0 - 5	Color/Gobo Wheel
	6 - 20	Blackout
	21 - 36	Position 1
	37 - 52	Position 2
	53 - 68	Position 3
	69 - 84	Position 4
	85 - 100	Position 5
	101 - 116	Position 6
	117 - 132	Position 7
	133 - 148	Position 8
	149 - 164	Position 9
	165 - 180	Position 10
	181 - 196	Position 11
	197 - 244	Position 12
245 - 255	No effect	
6	0-4	Shake (<i>Punisher</i> only)
	5-252	Off
	253-255	Slow → fast
		Random (music/controller triggered)

SINGLE-CHANNEL MODE

Channel	DMX Value	Effect
1	0 - 50	Blackout
	51 - 101	Slow random action
	102 - 152	Medium random action
	153 - 203	Fast random action
	204 - 255	Random speed and action