

RoboScan 812 Martin RS-485 Protocol Version 1

Implemented from Roboscan 812 CPU software version 2.0.

Address = $8 * (\text{Fixture DIP-switch address number} - 1) + X$

MSB refers to Most Significant Byte

LSB refers to Least Significant Byte

X	Byte	Effect(s)	Legal Data
0	MSB	Color Selection	0 = Black, 15 = White, 30 = color 3, 45 = color 4, 60 = color 5, 75 = color 6, 90 = color 7, 105 = color 8, 120 = color 9, 135 = color 10, 150 = color 11, 165 = color 12, 180 = color 13
	LSB	Color Speed	0.. 63 = Fast.. Slow
1	MSB	Gobo Selection	0 = gobo 1, 15 = gobo 2, 30 = gobo 3, 45 = gobo 4, 60 = gobo 5, 75 = gobo 6, 90 = gobo 7, 105 = gobo 8, 120 = gobo 9, 135 = gobo 10, 150 = gobo 11, 165 = gobo 12, 180 = gobo 13
	LSB	Gobo Speed	0..63 = Fast..Slow
2	MSB	Strobe	Bit 0-3 : 0..15 = Gobo Strobe Bit 4-7 : 0..15 = Color Strobe
	LSB	Fan Speed	0..18 = 75..100 % (Default = 100 %)
3	MSB	Reset, Stand-Alone, Lamp On/Off	253 = Reset 250 = Remote Stand-Alone Music Trig 251 = Remote Stand-Alone Auto Trig 252 = Lamp OFF, 254 = Lamp ON
	LSB	Not used	
4	MSB	Pan Position MSB	30..224 = Left..Right (127=Neutral)
	LSB	Pan Position LSB	0..31, Microstep Position Resolution
5	MSB	Tilt Position MSB	104..150 = Up..Down (127=Neutral)
	LSB	Tilt Position LSB	0..31, Microstep Position Resolution

X	Byte	Effect(s)	Legal Data
6	MSB	Pan/Tilt Movement	Bit 0 : OFF = Curved movement (Default) Bit 0 : ON = Not Curved movement
	LSB	Not used	
7	MSB	Pan Speed	0..31 = Speed (Resolution Multiplier)
	LSB	Tilt Speed	0..31 = Speed (Resolution Multiplier)