

DESIGN WASH LED 60

DMX Channel Traits

The chart below details the channel layout for 13 DMX channels (default).

In 8-bit mode the “Pan Fine” and “Tilt Fine” channels are not used, thus converting the fixture into a 11-channel DMX fixture.

%	1 Pan	2 Pan High Resolution 16bit pan fine	3 Tilt	4 Tilt High Resolution 16bit tilt fine	5 R	6 G	7 B	8 W	9 Scan speed	10 Strobe	11 Dimming	12 Rainbow	13 Auto Program
100%									Normal				Mask Control
75%									Blackout by moving			CROSSFADING COLOURS	Program 7
50%									Min			RAINBOW COLOURS	Program 6
25%									Moving speed			6400K	Program 5
0%									Max			3200K	Program 4
												NO FUNCTION	Program 3
													Program 2
													Program 1
													No function
													Scan Motor Rest
													All Motor Rest
													No function
													Normal

CHANNEL 1: Pan Movement (max. 540° or 630° User Selectable)

CHANNEL 2: 16bit Pan Movement (pan fine)

CHANNEL 3: Tilt Movement (max. 265°)

CHANNEL 4: 16bit Tilt Movement (tilt fine)

CHANNEL 5: Red LEDs

CHANNEL 6: Green LEDs

CHANNEL 7: Blue LEDs

CHANNEL 8: White LEDs

CHANNEL 9: Speed Control (Pan/Tilt movement, blackout selection)

CHANNEL 10: Strobe (0-13Hz), Shutter close/open function + random strobe

CHANNEL 11: Dimmer (Intensity) Control

CHANNEL 12: Color Macros

CHANNEL 13: Special (programs & motor reset)



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DMX Channel Functions and Values

DMX channel values (13 DMX channels):				
Mode/Channel			Value	Function
St	Ba	Ex		
1	1			<u>PAN Movement 8bit:</u>
			0-255	Pan Movement
2				<u>Pan Fine 16bit</u>
			0-255	Fine control of Pan movement
3	2			<u>TILT Movement 8bit:</u>
			0-255	Tilt Movement
4				<u>Tilt Fine 16bit</u>
			0-255	Fine control of Tilt movement
5	3			<u>Red LED:</u>
			0-255	Red (0-Black , 255-100% Red)
6	4			<u>Green LED:</u>
			0-255	Green (0-Black , 255-100% Green)
7	5			<u>Blue LED:</u>
			0-255	Blue (0-Black, 255-100% Blue)
8	6			<u>White LED:</u>
			0-255	White (0-Black, 255-100% White)
9	7			<u>Shutter, strobe:</u>
			0-31	All LEDs off
			32-63	LEDs Powered
			64-95	Strobe effect slow to fast
			96-127	Led turn on
			128-159	Pulse-effect in sequences
			160-191	Led turn on
			192-223	Random strobe effect slow to fast
224-255	Led turn on			
10	8			<u>Dimmer intensity:</u>
			0-255	Intensity 0 to 100%
11	9			<u>Rainbow:</u>
			0-7	No function
			8-39	Rainbow colors
			40-71	Rainbow colors
			72-103	Rainbow colors
			104-135	Rainbow colors
			136-167	Rainbow colors
			168-199	Rainbow colors
			200-231	Rainbow colors
232-255	Color Scroll (slow to fast)			



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DMX Channel Functions and Values Continued

12	10		Speed Pan/Tilt movement:
		0-225	Max to min speed
		226-235	Blackout by movement
		236-255	No function
13	11		Lamp on/off, reset, internal programs:
		0-79	Normal
		80-84	All motor reset
		85-87	Scan motor reset
		88-99	No function
		100-119	Internal program 1 (secne1~8 of EEPROM)
		120-139	Internal program 2 (secne9~16 of EEPROM)
		140-159	Internal program 3 (secne17~24 of EEPROM)
		160-179	Internal program 4 (secne25~32 of EEPROM)
		180-199	Internal program 5 (secne33~40 of EEPROM)
200-219	Internal program 6 (secne41~48 of EEPROM)		

