

## Q5 Color / Q8 Color DMX Mapping

Mode 1: CCT, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	CCT	0 - 255	2000K - 10000K
3	Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta ~ Full green (-1.0 ~ +1.0)
4	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Fan full speed (Fan speed fixed) Fan off (Fan is off)
5	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
6	Strobe Frequency	0 - 9 10 - 255	Strobe Off 1Hz - 25Hz

Mode 2: HSI, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	Hue	0 - 255	0° - 360°
3	Saturation	0 - 255	0% - 100%
4	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Fan full speed (Fan speed fixed) Fan off (Fan is off)
5	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
6	Strobe Frequency	0 - 9 10 - 255	Strobe Off 1Hz - 25Hz

Mode 3 : RGBW, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	Intensity Red	0 - 255	0% - 100%
3	Intensity Green	0 - 255	0% - 100%
4	Intensity Blue	0 - 255	0% - 100%
5	Intensity White	0 - 255	0% - 100%
6	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Fan full speed (Fan speed fixed) Fan off (Fan is off)
7	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
8	Strobe Frequency	0 - 9 10 - 255	Strobe Off 1Hz - 25Hz

Mode 4: CCT + HSI, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	CCT	0 - 255	2000K - 10000K
3	Green Adjust	0 - 9	Neutral (0)
		10 - 255	Full magenta ~ Full green (-1.0 ~ +1.0)
4	Crossfade	0 - 255	0% - 100%
5	Hue	0 - 255	0° - 360°
6	Saturation	0 - 255	0% - 100%
7	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
8	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
9	Strobe Frequency	0 - 9	Strobe Off
		10 - 255	1Hz - 25Hz

Mode 5 : CCT + RGBW, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	CCT	0 - 255	2000K - 10000K
3	Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta ~ Full green (-1.0 ~ +1.0)
4	Crossfade	0 - 255	0% - 100%
5	Intensity Red	0 - 255	0% - 100%
6	Intensity Green	0 - 255	0% - 100%
7	Intensity Blue	0 - 255	0% - 100%
8	Intensity White	0 - 255	0% - 100%
9	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Fan full speed (Fan speed fixed) Fan off (Fan is off)
10	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
11	Strobe Frequency	0 - 9 10 - 255	Strobe Off 1Hz - 25Hz

Mode 6 : CIE-x,y, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	x	0 - 255	0.0 - 0.725
3	y	0 - 255	0.0 - 0.845
4	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Fan full speed (Fan speed fixed) Fan off (Fan is off)
5	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
6	Strobe Frequency	0 - 9 10 - 255	Strobe Off 1Hz - 25Hz

Mode 7 : Gel, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	Gel Filter	0 - 9	None
		10 - 19	Bastard amber
		20 - 29	Straw
		30 - 39	Light amber
		40 - 49	Light flame
		50 - 59	Golden amber
		60 - 69	Light red
		70 - 79	No color pink
		80 - 89	Middle rose
		90 - 99	Light Rose Purple
		100 - 109	Surprise pink
		110 - 119	No Color Blue
		120 - 129	Daylight blue
		130 - 139	Primary blue
		140 - 149	Moss green
		150 - 159	Blue green
		160 - 169	Gel 1
170 - 179	Gel 2		
180 - 189	Gel 3		
190 - 199	Gel 4		
200 - 209	Gel 5		
210 - 255	Reserved for future use		
3	CCT (Disabeld for Gel 1-5)	0 - 99	3200K
		100 - 255	6500K
4	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
5	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
6	Strobe Frequency	0 - 9	Strobe Off
		10 - 255	1Hz - 25Hz

Mode 8 : Effects, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	Effect Selection	0 - 9	No effect
		10 - 19	Candle
		20 - 29	Club light
		30 - 39	Color chase
		40 - 49	Cop car
		50 - 59	Fireworks
		60 - 69	Lightning
		70 - 79	Paparazzi
		80 - 89	Strobe
		90 - 99	Television
		100 - 109	Effect 1
		110 - 119	Effect 2
		120 - 129	Effect 3
		130 - 139	Effect 4
140 - 149	Effect 5		
150 - 255	Reserved for future use		
3	Effect Function 1	See table below	
4	Effect Function 2		
5	Effect Function 3		
6	Effect Function 4	Reserved for future use	
7	Effect Function 5		
8	Effect Function 6		
9	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
10	Reserved	TBD	TBD



	Candle			Fireworks			Television		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
3	Color	0 - 9 10 - 19 20 - 29	Warmer Neutral Cooler	Color	0 - 9 10 - 19 20 - 29	Color White Color + White	Mode	0 - 9 10 - 19 20 - 29 30 - 39	Action Horror News Romance
4	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest			
	Club Light			Lightning			Cop Car		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
3	Color	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69	Red Green Blue Cyan Magenta Yellow All colors	Color	0 - 9 10 - 19 20 - 29	Warmer Neutral Cooler	Color	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99 100 - 109	B (Blue) R (Red) A (Amber) W (White) RB RA BA BW AW RBW BRA
4	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Flash Pattern	0 - 9 10 - 19 20 - 29 30 - 39	Single Double Quad Quint
	Color Chase			Paparazzi			Strobe		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
3	Saturation	0 - 255	0% - 100%	Color	0 - 9 10 - 19 20 - 29	Warmer Neutral Cooler	Hue	0 - 255	0 - 360°
4	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Saturation	0 - 255	0% - 100%
5							Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest

Mode 9: CCT, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	CCT	0 - 65,535	2000K - 10000K
4			
5	Green Adjust	0 - 9	Neutral (0)
6		10 - 65,535	Full magenta ~ Full green (-1.0 ~ +1.0)
7	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
8	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
9	Strobe Frequency	0 - 9	Strobe Off
		10 - 255	1Hz - 25Hz
10	Reserved	TBD	TBD

Mode 10: HSI, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	Hue	0 - 65,535	0° - 360°
4			
5	Saturation	0 - 65,535	0% - 100%
6			
7	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
8	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
9	Strobe Frequency	0 - 9	Strobe Off
		10 - 255	1Hz - 25Hz
10	Reserved	TBD	TBD

Mode 11 : RGBW, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	Intensity Red	0 - 65,535	0% - 100%
4			
5	Intensity Green	0 - 65,535	0% - 100%
6			
7	Intensity Blue	0 - 65,535	0% - 100%
8			
9	Intensity White	0 - 65,535	0% - 100%
10			
11	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
12	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
13	Strobe Frequency	0 - 9	Strobe Off
		10 - 255	1Hz - 25Hz
14	Reserved	TBD	TBD

Mode 12 : CCT + HSI, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	CCT	0 - 65,535	2000K - 10000K
4			
5	Green Adjust	0 - 9	Neutral (0)
6		10 - 65,535	Full magenta ~ Full green (-1.0 ~ +1.0)
7	Crossfade	0 - 65,535	0% - 100%
8			
9	Hue	0 - 65,535	0° - 360°
10			
11	Saturation	0 - 65,535	0% - 100%
12			
13	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
14	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
15	Strobe Frequency	0 - 9	Strobe Off
		10 - 255	1Hz - 25Hz
16	Reserved	TBD	TBD

Mode 13 : CCT + RGBW, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	CCT	0 - 65,535	2000K - 10000K
4			
5	Green Adjust	0 - 9	Neutral (0)
6		10 - 65,535	Full magenta ~ Full green (-1.0 ~ +1.0)
7	Crossfade	0 - 65,535	0% - 100%
8			
9	Intensity Red	0 - 65,535	0% - 100%
10			
11	Intensity Green	0 - 65,535	0% - 100%
12			
13	Intensity Blue	0 - 65,535	0% - 100%
14			
15	Intensity White	0 - 65,535	0% - 100%
16			
17	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Fan full speed (Fan speed fixed) Fan off (Fan is off)
18	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
19	Strobe Frequency	0 - 9 10 - 255	Strobe Off 1Hz - 25Hz
20	Reserved	TBD	TBD

Mode 14 : CIE-x,y, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	x	0 - 65,535	0.0 - 0.725
4			
5	y	0 - 65,535	0.0 - 0.845
6			
7	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
8	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
9	Strobe Frequency	0 - 9	Strobe Off
		10 - 255	1Hz - 25Hz
10	Reserved	TBD	TBD

Mode 15 : Gel, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	Gel Filter	0 - 9	None
		10 - 19	Bastard amber
		20 - 29	Straw
		30 - 39	Light amber
		40 - 49	Light flame
		50 - 59	Golden amber
		60 - 69	Light red
		70 - 79	No color pink
		80 - 89	Middle rose
		90 - 99	Light Rose Purple
		100 - 109	Surprise pink
		110 - 119	No Color Blue
		120 - 129	Daylight blue
		130 - 139	Primary blue
		140 - 149	Moss green
		150 - 159	Blue green
		160 - 169	Gel 1
170 - 179	Gel 2		
180 - 189	Gel 3		
190 - 199	Gel 4		
200 - 209	Gel 5		
210 - 255	Reserved for future use		
4	CCT (Disabeld for Gel 1-5)	0 - 99	3200K
		100 - 255	6500K
5	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Fan full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
6	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
7	Strobe Frequency	0 - 9	Strobe Off
		10 - 255	1Hz - 25Hz
8	Reserved	TBD	TBD



Mode 16 : Effects, 16-bit					
DMX	Function	Value	Range		
1	Master Intensity	0 - 65,535	0% - 100%		
2					
3	Effect Selection	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99 100 - 109 110 - 119 120 - 129 130 - 139 140 - 149 150 - 255	No effect Candle Club light Color chase Cop car Fireworks Lightning Paparazzi Strobe Television Effect 1 Effect 2 Effect 3 Effect 4 Effect 5 Reserved for future use		
4	Effect Function 1	See table below			
5					
6	Effect Function 2				
7					
8	Effect Function 3				
9					
10	Effect Function 4			Reserved for future use	
11					
12	Effect Function 5				
13					
14	Effect Function 6				
15					
16	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Fan full speed (Fan speed fixed) Fan off (Fan is off)		
17	Reserved	TBD	TBD		
18					

	Candle			Fireworks			Television		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
4	Color	0 - 9	Warmer	Color	0 - 9	Color	Mode	0 - 9	Action
5		10 - 19	Neutral		10 - 19	White		10 - 19	Horror
		20 - 29	Cooler		20 - 29	Color + White		20 - 29	News
		30 - 39						30 - 39	Romance
6	Speed	0 - 9	Slowest	Speed	0 - 9	Slowest			
7		10 - 19	Slower		10 - 19	Slower			
		20 - 29	Medium		20 - 29	Medium			
		30 - 39	Faster		30 - 39	Faster			
		40 - 49	Fastest		40 - 49	Fastest			
	Club Light			Lightning			Cop Car		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
4	Color	0 - 9	Red	Color	0 - 9	Warmer	Color	0 - 9	B (Blue)
		10 - 19	Green					10 - 19	R (Red)
		20 - 29	Blue					20 - 29	A (Amber)
		30 - 39	Cyan					30 - 39	W (White)
		40 - 49	Magenta					40 - 49	RB
		50 - 59	Yellow					50 - 59	RA
5		60 - 69	All colors					60 - 69	BA
								70 - 79	BW
								80 - 89	AW
								90 - 99	RBW
								100 - 109	BRA
6	Speed	0 - 9	Slowest	Speed	0 - 9	Slowest	Flash Pattern	0 - 9	Single
7		10 - 19	Slower		10 - 19	Slower		10 - 19	Double
		20 - 29	Medium		20 - 29	Medium		20 - 29	Quad
		30 - 39	Faster		30 - 39	Faster		30 - 39	Quint
		40 - 49	Fastest		40 - 49	Fastest			
	Color Chase			Paparazzi			Strobe		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
4	Saturation	0 - 65,535	0% - 100%	Color	0 - 9	Warmer	Hue	0 - 65,535	0 - 360°
5					10 - 19	Neutral			
					20 - 29	Cooler			
6	Speed	0 - 9	Slowest	Speed	0 - 9	Slowest	Saturation	0 - 65,535	0% - 100%
7		10 - 19	Slower		10 - 19	Slower			
		20 - 29	Medium		20 - 29	Medium			
		30 - 39	Faster		30 - 39	Faster			
		40 - 49	Fastest		40 - 49	Fastest			
8							Speed	0 - 9	Slowest
9								10 - 19	Slower
								20 - 29	Medium
								30 - 39	Faster
								40 - 49	Fastest