

# DMX512 CONFIGURATION

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**TABLE 1. 16-BIT CHANNEL MODE**

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Intensity high	0-65535	16-bit control of dimming
2	Intensity low		
3	Zoom	0-65535	Zoom control ,0-100% (Narrow -> Wide)

**TABLE 1. 16-BIT CHANNEL MODE**

CHANNEL	FUNCTION	VALUE	DESCRIPTION
4	Red high	0-65535	16-bit control of color
5	Red low		
6	Green high	0-65535	16-bit control of color
7	Green low		
8	Blue high	0-65535	16-bit control of color
9	Blue low		
10	White high	0-65535	16-bit control of color
11	White low		

**TABLE 1. 16-BIT CHANNEL MODE**

CHANNEL	FUNCTION	VALUE	DESCRIPTION
12	Color preset	000-068	Channel OFF
		069-070	CF_0_Color OFF
		071-072	CF_1_White 10000K
		073-074	CF_2_White 8000K
		075-076	CF_3_White 6500K
		077-078	CF_4_White 5600K
		079-080	CF_5_White 5000K
		081-082	CF_6_White 4500K
		083-084	CF_7_White 4000K
		085-086	CF_8_White 3200
		087-088	CF_9_White 3000K
		089-090	CF_10_White 2700K
		091-092	CF_11_Moroccan Pink
		093-094	CF_12_Pink
		095-096	CF_13_Flesh Pink
		097-098	CF_14_Bright Rose
		099-100	CF_15_Follies Pink
		101-102	CF_16_Fuchsia Pink
		103-104	CF_17_Surprise Pink
		105-106	CF_18_Congo Blue
		107-108	CF_19_Blue
		109-110	CF_20_Virgin Blue
		111-112	CF_21_Midnight Maya
		113-114	CF_22_Dluble C.T Blue
		115-116	CF_23_Slate Blue
		117-118	CF_24_Regal Blue
		119-120	CF_25_Fullt C.T Blue
		121-122	CF_26_Steel Blue
		123-124	CF_27_Lighter Blue
		125-126	CF_28_Cyan
		127-128	CF_29_Marine Blue
		129-130	CF_30_Soft Green
		131-132	CF_31_Moss Green
		133-134	CF_32_Green
135-136	CF_33_Fem Green		
137-138	CF_34_JAS Green		
139-140	CF_35_Pale Green		
141-142	CF_36_Spring Yellow		
143-144	CF_37_Yellow		
145-146	CF_38_Deep Amber		
147-148	CF_39_Chrome Orange		
149-150	CF_40_Orange		
151-152	CF_41_Magenta		
153-154	CF_42_Flame Red		
155-156	CF_43_Purple		
157-187	Rotate CW Fast Slow		
188-208	Rotate CCW Fast Slow		
209-229	Random Color Fast Slow		
230-255	Channel off		
13	Strobe speed	000-255	0.5 Hz to 30Hz
14	Strobe speed	000-005	Open
		006-010	Closed
		011-015	Normal Strobe
		016-020	Random Strobe
		021-025	Random Sync
		026-255	Reserved Values
15	Control channel	000-005	Idle(Default)
		006-010	Full Luminaire ReCal
		011-015	Reserved Values
		016-020	Reserved Values
		021-025	Fixture Shutdown
		026-030	Display - Menu ON
		031-035	Display - Menu OFF

**TABLE 2. 8-BIT CHANNEL MODE**

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Intensity	0-65535	16-bit control of dimming
2	Zoom	0-65535	Zoom control ,0-100% (Narrow -> Wide)
3	Red	0-65535	16-bit control of color
4	Green	0-65535	16-bit control of color
5	Blue	0-65535	16-bit control of color
6	White	0-65535	16-bit control of color
7	Color preset	000-068 069-070 071-072 073-074 075-076 077-078 079-080 081-082 083-084 085-086 087-088 089-090 091-092 093-094 095-096 097-098 099-100 101-102 103-104 105-106 107-108 109-110 111-112 113-114 115-116 117-118 119-120 121-122 123-124 125-126 127-128 129-130 131-132 133-134 135-136 137-138 139-140 141-142 143-144 145-146 147-148 149-150 151-152 153-154 155-156 157-187 188-208 209-229 230-255	Channel OFF CF_0_Color OFF CF_1_White 10000K CF_2_White 8000K CF_3_White 6500K CF_4_White 5600K CF_5_White 5000K CF_6_White 4500K CF_7_White 4000K CF_8_White 3200 CF_9_White 3000K CF_10_White 2700K CF_11_Moroccan Pink CF_12_Pink CF_13_Flesh Pink CF_14_Bright Rose CF_15_Follies Pink CF_16_Fuchsia Pink CF_17_Surprise Pink CF_18_Congo Blue CF_19_Blue CF_20_Virgin Blue CF_21_Midnight Maya CF_22_Dluble C.T Blue CF_23_Slate Blue CF_24_Regal Blue CF_25_Fullt C.T Blue CF_26_Steel Blue CF_27_Lighter Blue CF_28_Cyan CF_29_Marine Blue CF_30_Soft Green CF_31_Moss Green CF_32_Green CF_33_Fem Green CF_34_JAS Green CF_35_Pale Green CF_36_Spring Yellow CF_37_Yellow CF_38_Deep Amber CF_39_Chrome Orange CF_40_Orange CF_41_Magenta CF_42_Flame Red CF_43_Purple Rotate CW Fast Slow Rotate CCW Fast Slow Random Color Fast Slow Channel off
8	Strobe speed	000-255	0.5Hz to 30Hz
9	Strobe speed	000-005 006-010 011-015 016-020 021-025 026-255	Open Closed Normal Strobe Random Strobe Random Sync Reserved Values

**TABLE 2. 8-BIT CHANNEL MODE**

CHANNEL	FUNCTION	VALUE	DESCRIPTION
10	Control channel	000-005	Idle(Default)
		006-010	Full Luminaire ReCal
		011-015	Reserved Values
		016-020	Reserved Values
		021-025	Fixture Shutdown
		026-030	Display - Menu ON
		031-035	Display - Menu OFF
		036-040	Dimming Curve Linear
		041-045	Dimming Curve S-Curve
		046-050	Dimming Curve Square Curve (Default)**
		051-055	Reserved Values
		056-060	Reserved Values
		061-065	Dimmer Snap On
		066-070	Dimmer Snap Off (Default)
		071-075	Reserved Values
		076-080	Reserved Values
		081-085	Standard Mode
		086-090	Studio Mode
		091-100	Fan On (Default)
101-110	Fan Auto		
111-255	Reserved Values		

**TABLE 3. 8-BIT COLOR MODE**

CHANNEL	FUNCTION	VALUE	DESCRIPTION
1	Zoom	000-255	16-bit control of dimming
2	Red	0-65535	Zoom control, 0-100% (narrow -> wide)
3	Green	0-65535	16-bit control of color
4	Blue	0-65535	16-bit control of color
5	White	0-65535	16-bit control of color