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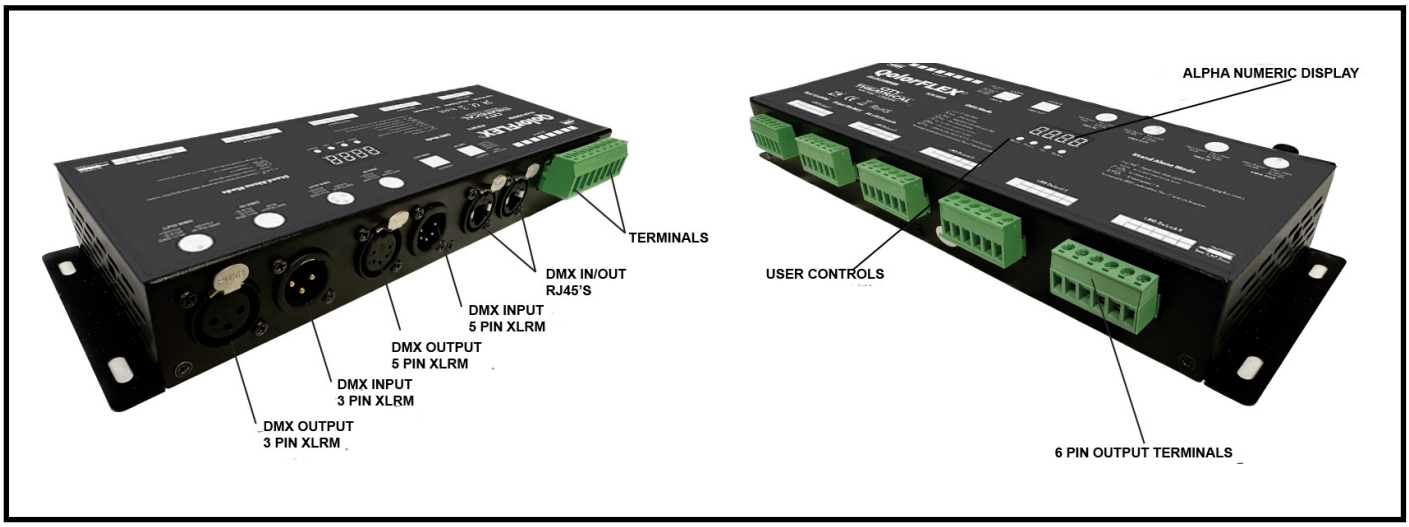
QolorFLEX® 25x3A Dimmer

P/N 5811

Quick Start Guide



The QolorFLEX 25x3A Dimmer is ideal for applications such as retail displays, signage, and general architectural work. It features 25 channels of control in a compact IP20 (indoor) rated enclosure. Ideal for 2, 3,4 or 5 color LED tape installations, it is fully DMX and RDM compatible and offers stand alone functions.

The QolorFLEX 25x3A Dimmer requires a separate power supply providing input voltage of 12-24VDC. The maximum current load per channel is 3A with a maximum device output of 75A. Follow the steps below to get your QolorFLEX 25x3A Dimmer up and running.

Quick Start Instructions:

1. Connect the QolorFLEX 25x3A Dimmer to your DMX controller by using either the DMX five pin XLR input or the RJ45 connectors. DMX out can be either the five pin XLR output or the RJ45 output.

2. Connect your load to any of the six output blocks. Each block has six screw terminals (five channels and V+ common). For single color LED tape with two connection wires, connect the V- (black) wire to any one of the five output channel terminals and the V+ (red) wire to its corresponding terminal. When using five color tape, connect R, G, B, X1, X2 positions as labeled on the device.
Note* - The V+ (common) circuit for multicolor tape will be connected to either a black or white wire. To determine which is correct, look at one of the sets of contacts on the tape itself and note which color wire is connected to the one labeled (+). Do not exceed the maximum load capacity of 3A per channel.

3. Connect the appropriate power supply providing 12-24VDC to the power input screw terminals.
Note* - The size of the power supply(s) must match the tape being used in both voltage and watts. QolorFLEX 25x3A Dimmer's maximum output power rating is 900W (12V) and 1800W(24V).

To Set for DMX
Power up unit. Address screen (Axxx) will be showing in DMX Mode (*run*).

In DMX Mode:

run1 = DMX Mode

A.XXX = DMX Address

CH.XX = Quantity of channels controlled

bt.XX = 8 or 16 bit dimming

PF.XX = PMW frequency (00 to 30)

dc.XX = Dimming curve 0.1 TO 9.9

dP.XX = DMX Profiles (Set to 2.1 for 16 bit dimming)

To Set for Stand Alone
Set to Stand Alone Mode by pushing 'Up" button until "run1" is shown. "Run1" denotes DMX mode. Hit "Enter" button, and "Up" button to select "run2" which denotes Stand Alone Mode. Cycle power to unit.

In Stand Alone Mode:

run2 = Stand Alone Mode (cycle power after changing Run mode)

XX.XX = Output channel 2 level

CHA X = Chase 1-4

SPD

DMX Start Address -
Sets the DMX address for the dimmer.

Output Resolution - (Factory default is 16)

Resolution determines the smoothness of the dimming. 8 bit uses 1 DMX channel, while 16 bit uses 2. Note: also change DMX profile to dp2.1

AVAILABLE SETTINGS: **08** or **16**

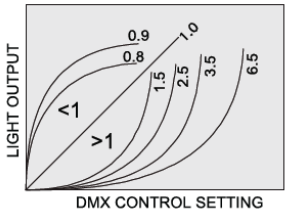
PMW Frequency - (Factory default is 05)

PMW frequency is used to tune the dimmer for flicker free operation when used with high speed camera. A high PMW value produces better dimming quality. Always perform a camera test for optimal results.

AVAILABLE SETTINGS: **00** thru **30**
Values: 00 = 500Hz
01 to 30 = 1kHz to 30kHz

Dimming Curve - (Factory default is 1.5)

The dimming Curve may be adjusted to affect the rate of rise and fall of the dimmer. Values less than 1.0 increase the rate, while values greater than 1.0 decrease the rate. (1.0 is linear)



AVAILABLE SETTINGS: **0.1** thru **9.9**

DMX Console Slider Number DMX channel	dp1.1	dp2.1
1	output 1 dimming	output 1 dimming
2	output 2 dimming	output 1 micro dimming
3	output 3 dimming	output 2 dimming
4	output 4 dimming	output 2 micro dimming
5	output 5 dimming	output 3 dimming
6	output 6 dimming	output 3 micro dimming
7	output 7 dimming	output 4 dimming
8	output 8 dimming	output 4 micro dimming
9	output 9 dimming	output 5 dimming
10	output 10 dimming	output 5 micro dimming
11	output 11 dimming	output 6 dimming
12	output 12 dimming	output 6 micro dimming
13	output 13 dimming	output 7 dimming
14	output 14 dimming	output 7 micro dimming
15	output 15 dimming	output 8 dimming
16	output 16 dimming	output 8 micro dimming
17	output 17 dimming	output 9 dimming
18	output 18 dimming	output 9 micro dimming
19	output 19 dimming	output 10 dimming
20	output 20 dimming	output 10 micro dimming
21	output 21 dimming	output 11 dimming
22	output 22 dimming	output 11 micro dimming
23	output 23 dimming	output 12 dimming
24	output 24 dimming	output 12 micro dimming
25	output 25 dimming	output 13 dimming
26	output 26 dimming	output 13 micro dimming
27	output 27 dimming	output 14 dimming
28	output 28 dimming	output 14 micro dimming
29	output 29 dimming	output 15 dimming
30	output 30 dimming	output 15 micro dimming
31	output 31 dimming	output 16 dimming
32	output 32 dimming	output 16 micro dimming
33	output 33 dimming	output 17 dimming
34	output 34 dimming	output 17 micro dimming
35	output 35 dimming	output 18 dimming
36	output 36 dimming	output 18 micro dimming
37	output 37 dimming	output 19 dimming
38	output 38 dimming	output 19 micro dimming
39	output 39 dimming	output 20 dimming
40	output 40 dimming	output 20 micro dimming
41	output 41 dimming	output 21 dimming
42	output 42 dimming	output 21 micro dimming
43	output 43 dimming	output 22 dimming
44	output 44 dimming	output 22 micro dimming
45	output 45 dimming	output 23 dimming
46	output 46 dimming	output 23 micro dimming
47	output 47 dimming	output 24 dimming
48	output 48 dimming	output 24 micro dimming
49	output 49 dimming	output 25 dimming
50	output 50 dimming	output 25 micro dimming