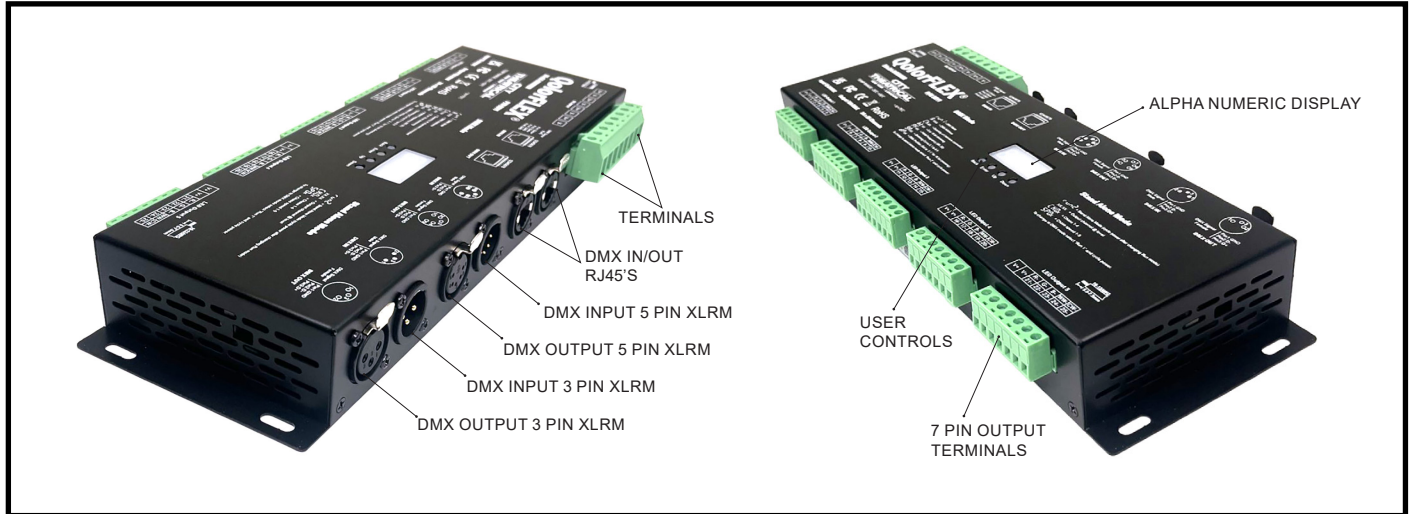


Quick Start Guide



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 seven screw terminals (five channels and two V+ commons). 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
- 8.XXX** = DMX Address
- 88XX** = Quantity of channels controlled
- 88XX** = 8 or 16 bit dimming
- 88XX** = PMW frequency (00 to 30)
- 88XX** = Dimming curve 0.1 TO 9.9
- 88XX** = 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
- 000**X = Chase 1-4
- 500**

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)

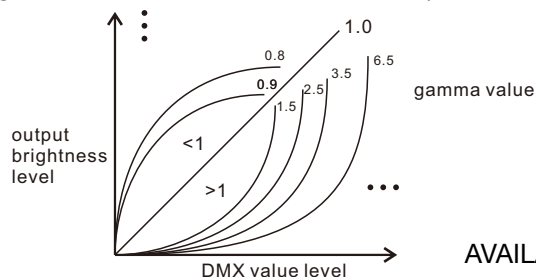
PMW frequency is used to tune the dimmer for flicker free operation when used with high speed camera. A high PMW value produces better dimming quality. Always perform a camera test for optimal results.

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**

Stand Alone Mode Chases

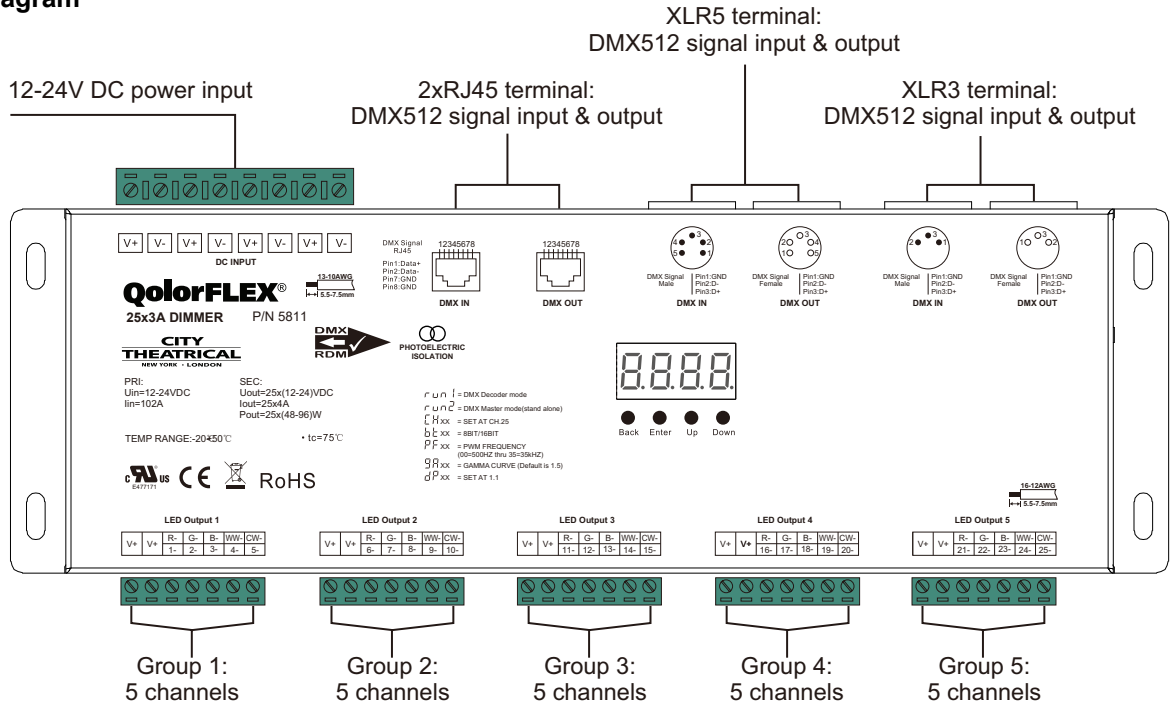
Default is RUN1 for DMX mode

Menu says CA01 thru CA04

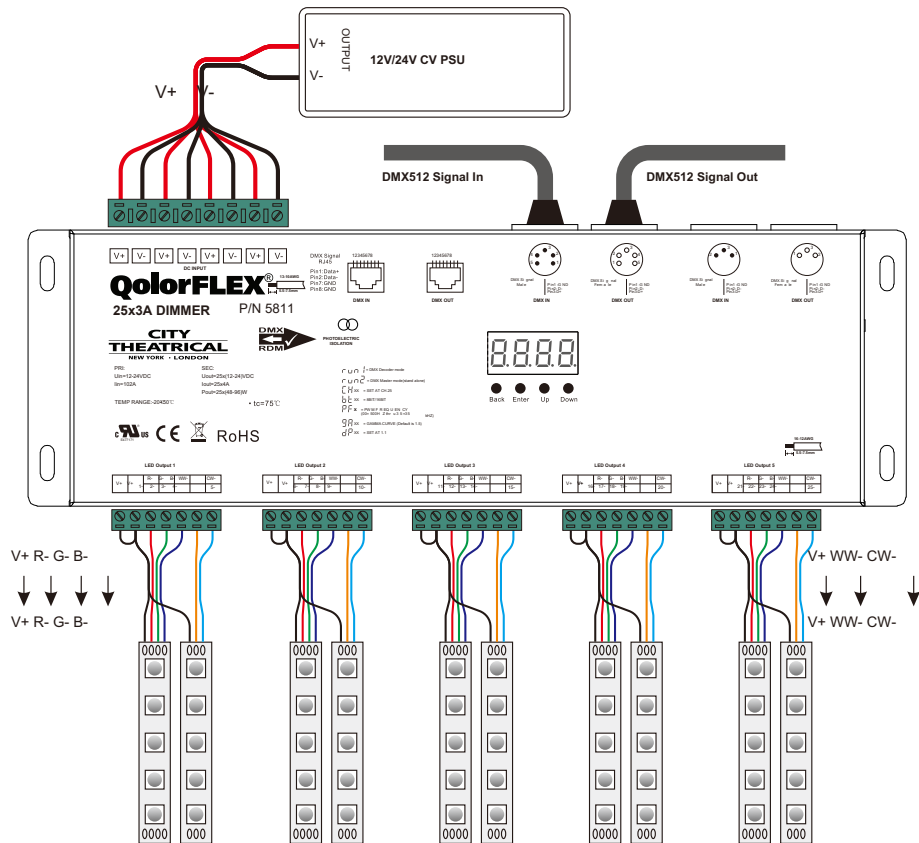
- CA01 Channel Chase 1-25 (Actually 1-50) so 1 and 26
- CA02 2Channel Test 1/2, 2/3 and so on (Actually 1/2 and 26/27)
- CA03 1 Channel Fast Test 1-25 (Actually 1-50) so 1 and 26
- CA04 1 Channel Bounce Test 1-25 (Actually 1-50) so 1 and 26

SP01-09 Speed Slow to Fast

Functional Diagram



Wiring Diagram



DMX address is 001, CH01

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= All output dimming
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= All output dimming, Slider 2= All output fine dimming
dp2.2	Use 2 console sliders to control 1 DMX address	Slider 1= All output dimming, Slider 2= All output strobe effects
dp3.1	Use 3 console sliders to control 1 DMX address	Slider 1= All output dimming, Slider 2= All output fine dimming, Slider 3= All output strobe effects

DMX address is 001, CH02

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= Address 001,003... dimming, Slider 2= Address 002,004... dimming
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001,003... dimming, Slider 2= Address 001,003... fine dimming, Slider 3= Address 002,004... dimming, Slider 4= Address 002,004... fine dimming
dp2.2	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001-004,006-009... dimming, Slider 2= Address 001+002,003+004... color tuning
dp3.2	Use 3 console sliders to control 2 DMX addresses	Slider 1= Address 001-004,006-009... dimming, Slider 2= Address 001,003,006,008... dimming, Slider 3= Address 002,004,007,009... dimming
dp4.3	Use 4 console sliders to control 3 DMX addresses	Slider 1= Address 001-004,006-009... dimming, Slider 2= Address 001,003,006,008... dimming, Slider 3= Address 002,004,007,009... dimming, Slider 4= strobe effects

DMX address is 001, CH03

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= Address 001,006... dimming, Slider 2= Address 002,007 dimming...
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001,006... dimming, Slider 2= Address 001,006 fine dimming... Slider 3= Address 002,007... dimming, Slider 4= Address 002,007 fine dimming...
dp4.3	Use 4 console sliders to control 3 DMX addresses	Slider 1= Address 001-003,006-008...dimming, Slider 2= Address 001,006... dimming, Slider 3= Address 002,007... dimming, Slider 4= Address 003,008... dimming.
dp5.3	Use 5 console sliders to control 3 DMX addresses	Slider 1= Address 001-003,006-008... dimming, Slider 2= Address 001,006 dimming... Slider 3= Address 002,007... dimming, Slider 4= Address 003,008... dimming, Slider 5= Strobe effects.

DMX address is 001, CH04

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= Address 001,006... dimming,..., Slider 2= Address 002,007... dimming...
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001,006... dimming, Slider 2= Address 001,006... fine dimming, Slider 3= Address 002,007... dimming, Slider 4= Address 002,007... fine dimming.
dp5.4	Use 5 console sliders to control 4 DMX addresses	Slider 1= Address 001-004,006-009... dimming, Slider 2= Address 001,006... dimming, Slider 3= Address 002,007... dimming, Slider 4= Address 003,008... dimming, Slider 5= Address 004,009... dimming
dp6.4	Use 6 console sliders to control 4 DMX addresses	Slider 1= Address 001-004,006-009... dimming, Slider 2= Address 001,006... dimming, Slider 3= Address 002,007... dimming, Slider 4= Address 003,008... dimming, Slider 5= Address 004,009... dimming, Slider 6= Strobe effects

DMX address is 001, CH05

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= Address 001,006... dimming,..., Slider 2= Address 002,007... dimming...
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001,006... dimming, Slider 2= Address 001,006... fine dimming, Slider 3= Address 002,007... dimming, Slider 4= Address 002,007... fine dimming.
dp6.5	Use 5 console sliders to control 4 DMX addresses	Slider 1= Address 001-025 dimming, Slider 2= Address 001,006...dimming, Slider 3= Address 002,007... dimming, Slider 4= Address 003,008... dimming, Slider 5= Address 004,009... dimming, Slider 6= Address 005,010... dimming
dp7.5	Use 6 console sliders to control 4 DMX addresses	Slider 1= Address 001-025 dimming, Slider 2= Address 001,006...dimming, Slider 3= Address 002,007... dimming, Slider 4= Address 003,008... dimming, Slider 5= Address 004,009... dimming, Slider 6= Address 005,010... dimming, Slider 7= Strobe effects

DMX address is 001, CH10

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= Address 001,003 dimming, Slider 2= Address 002,004 dimming
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001,003 dimming, Slider 2= Address 001,003 fine dimming

DMX address is 001, CH15

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= Address 001 dimming, Slider 2= Address 002 dimming...
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001 dimming, Slider 2= Address 001 fine dimming...

DMX address is 001, CH20

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= Address 001 dimming, Slider 2= Address 002 dimming...
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001 dimming, Slider 2= Address 001 fine dimming...

DMX address is 001, CH25

dP Setting	Describe	Example
dp1.1	Use 1 console slider to control 1 DMX address	Slider 1= Address 001 dimming,...., Slider 25= Address 025 dimming
dp2.1	Use 2 console sliders to control 1 DMX address	Slider 1= Address 001 dimming, Slider 2= Address 001 fine dimming...
dp2.2	Use 2 console sliders to control 2 DMX addresses	Slider 1= Address 001, 002 dimming, Slider 2= Address 001,002 color tuning
dp3.2	Use 3 console sliders to control 2 DMX addresses	Slider 1= Address 001, 002 master dimming, Slider 2= Address 001 dimming, Slider 3= Address 002 dimming.
dp4.2	Use 4 console sliders to control 2 DMX addresses	Slider 1= Address 001, 002 master dimming, Slider 2= Address 001 dimming, Slider 3= Address 002 dimming, Slider 4= Address 001, 002 strobe effects.
dp4.3	Use 4 console sliders to control 3 DMX addresses	Slider 1= Address 001-003 master dimming, Slider 2= Address 001 dimming, Slider 3= Address 002 dimming, Slider 4= Address 003 dimming.
dp5.3	Use 5 console sliders to control 3 DMX addresses	Slider 1= Address 001-003 master dimming, Slider 2= Address 001 dimming, Slider 3= Address 002 dimming,...., Slider 5= Address 001-003 strobe effects.
dp5.4	Use 5 console sliders to control 4 DMX addresses	Slider 1= Address 001-004 master dimming, Slider 2= Address 001 dimming, Slider 3= Address 002 dimming, Slider 5= Address 004 dimming.
dp6.4	Use 6 console sliders to control 4 DMX addresses	Slider 1= Address 001-004 master dimming, Slider 2= Address 001 dimming, Slider 3= Address 002 dimming,...., Slider 6= Address 001-004 strobe effects.
dp6.5	Use 6 console sliders to control 5 DMX addresses	Slider 1= Address 001-005 master dimming, Slider 2= Address 001 dimming, Slider 3= Address 002 dimming,...., Slider 6= Address 005 dimming.
dp7.5	Use 7 console sliders to control 5 DMX addresses	Slider 1= Address 001-005 master dimming, Slider 2= Address 001 dimming, Slider 3= Address 002 dimming,...., Slider 7= Address 001-005 strobe effects.