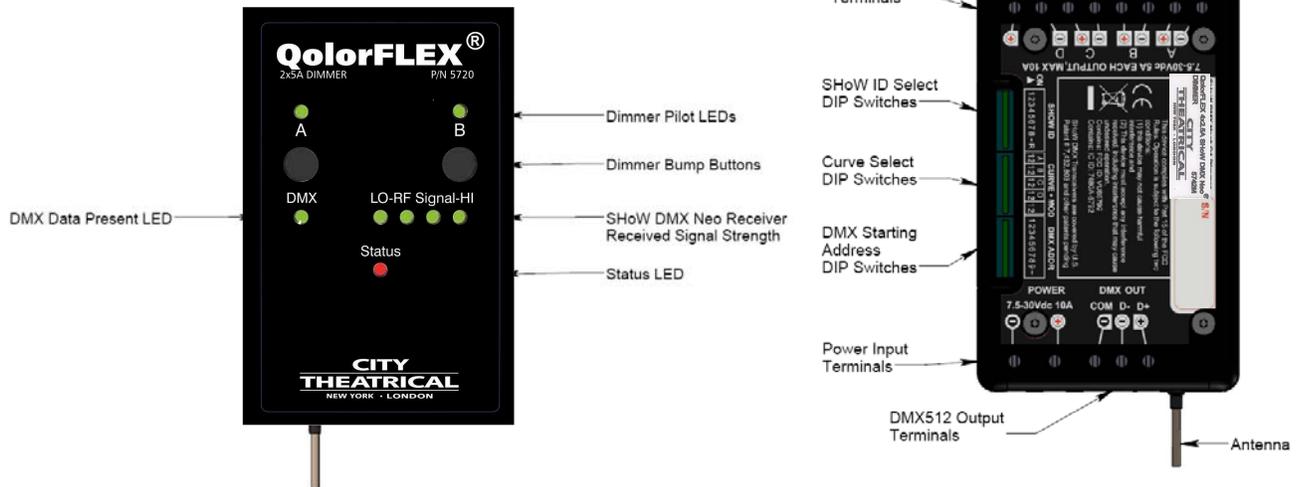


# CITY THEATRICAL I N C

475 BARELL AVENUE, CARLSTADT, NJ 07072  
800/230/9497 201/549/1160 201/549/1161 FAX  
www.citytheatrical.com

## QolorFLEX® Wired and Wireless 2x5A and 4x2.5A Dimmers Quick Start Guide

### Wireless QolorFLEX® SHoW DMX Neo® Dimmers



The wireless QolorFLEX® SHoW DMX Neo® 2x4A and 4x2.5A Dimmers have all the same features, except that the SHoW DMX Neo 4x2.5A has four dimmer channels (A, B, C & D) while the SHoW DMX Neo Neo 2x5A has two dimmer channels (A & B).

The QolorFLEX® SHoW DMX Neo® 2x5A and 4x2.5A Dimmers can be setup quickly with a SHoW DMX SHoW Baby®:

1. Connect your SHoW Baby to your DMX controller as a transmitter (if you're using a different SHoW DMX Neo unit as a transmitter, set the SHoW ID to 201, and proceed as below).
2. Power up the SHoW Baby and confirm it is receiving DMX (Data LED lit).
3. Set up your SHoW Baby and QolorFLEX™ SHoW DMX Neo® 4x2.5A with clear line of sight between the SHoW Baby antenna and the QolorFLEX™ SHoW DMX Neo® 4x2.5A's antenna.
4. Orient the antennas of both units in parallel, either vertically or horizontally (do not point the antennas at each other).
5. Connect +7.5 ~ 30VDC DC Power to the Dimmer using the two provided screw terminals. Connect +VDC to the + (plus) Terminal and – (minus) VDC to the – Terminal. These terminals will accommodate up to 14 AWG / 1.5mm<sup>2</sup> wire. This DC power input is rated for 10A. Be aware that the power supply voltage must match the rated voltage of the load. If you are using 12V LED tape, use 12VDC power.
6. Confirm that at least two of the Received Signal Strength LEDs are lit and the Data LED is lit (if fewer Received Signal Strength LEDs are lit, adjust the antenna positions so they are parallel and check for radio barriers).
7. SHoW ID: Your new QolorFLEX® SHoW DMX Neo® 4x2.5A Dimmer was factory preset at SHoW ID 201. If your unit is no longer in factory default, set the SHoW ID DIP Switch to 11001001 (SHoW ID 201). **\*Note that the SHoW ID DIP switches read left to right, while the binary number in the SHoW ID chart below reads right to left.**

SHoW ID	Binary Values	DIP Setting
201	11001001	12345678



- Set the DMX Starting Address DIP Switch to the desired starting address, referring to the DMX DIP Switch Tables in the manual.

**\*Note that the DMX Address DIP switches read left to right, while the binary table below reads right to left.**

Start Address	Binary Values	DIP Setting
1	00000001	123456789



**Turn power off before connecting your loads.**

### Connecting 12V Three Color RGB Tape

12 Volt three color LED tape is provided with a single +12VDC circuit and a -VDC circuit for each color.

- Connect the +12VDC circuit to any one of the four + output terminals. The + terminals are bussed, and provide constant voltage. **\*Note that some tape comes pre-wired with Black wire for the +12VDC circuit, while other tape comes pre-wire with White wire.**
- Connect the R, G and B circuits each to one the four – output terminals (in the case of four color tape, connect the A or W circuit to the fourth – output terminal). The – terminals are the PWM dimmed outputs of the 4x2.5A Dimmer. **\*Note that some tape comes with the R, G and B (and A or W) circuits in a different order than others.**
- Select the LED Curve for each dimmer channel used.
- Power up your Dimmer and test your load connections with the bump buttons
- If you wish to change the PWM frequency, use RDM or the MOD switch to select the frequency desired.



### Connecting Single Color Tape

12 Volt single color tape is provided with a single +VDC circuit and a -VDC circuit.

- Connect the +VDC circuit to one of the + output terminals and connect the -VDC circuit to the accompanying – output terminal. Up to two runs of single color tape can be driven and dimmed by a 2x5A Dimmer.
- Select the LED Curve for each dimmer channel used.
- If you wish to change the PWM frequency, use RDM or the MOD switch to select the frequency desired.

## Wired 2x5A and 4x2.5A Dimmers



The wired QolorFLEX® 2x5A and 4x2.5A Dimmers have all the same features, except that the 4x2.5A has four dimmer channels (A, B, C & D) while the 2x4A has two dimmer channels (A & B).

The QolorFLEX® 2x5A and 4x2.5A Dimmers can be set up quickly as follows:

14. Connect DMX512 wiring to the provided DMX IN terminals. This is the DMX input for data from a controller or SHoW DMX® wireless DMX receiving device such as a QolorFLEX™ series Dimmer, SHoW Baby, SHoW DMX Neo Receiver or SHoW DMX Neo Transceiver.
15. Connect +7.5 ~ 30VDC DC Power as noted in step five.  
Be aware that the power supply voltage must match the rated voltage of the load. If you are using 12V LED tape, use 12VDC power.
16. Set the DMX Starting Address DIP Switch to the desired starting address, referring to the DMX DIP Switch Tables in the manual.  
**\*Note that the DMX Address DIP switches read left to right, while the binary table below reads right to left.**

Start Address	Binary Values 987654321	DIP Setting 12345678
1	00000001	10000000



17. Set the Termination Switch to ON if the Dimmer is the last device in the DMX daisy chain. Connect your loads as shown above. **Turn off power before connecting loads.**