

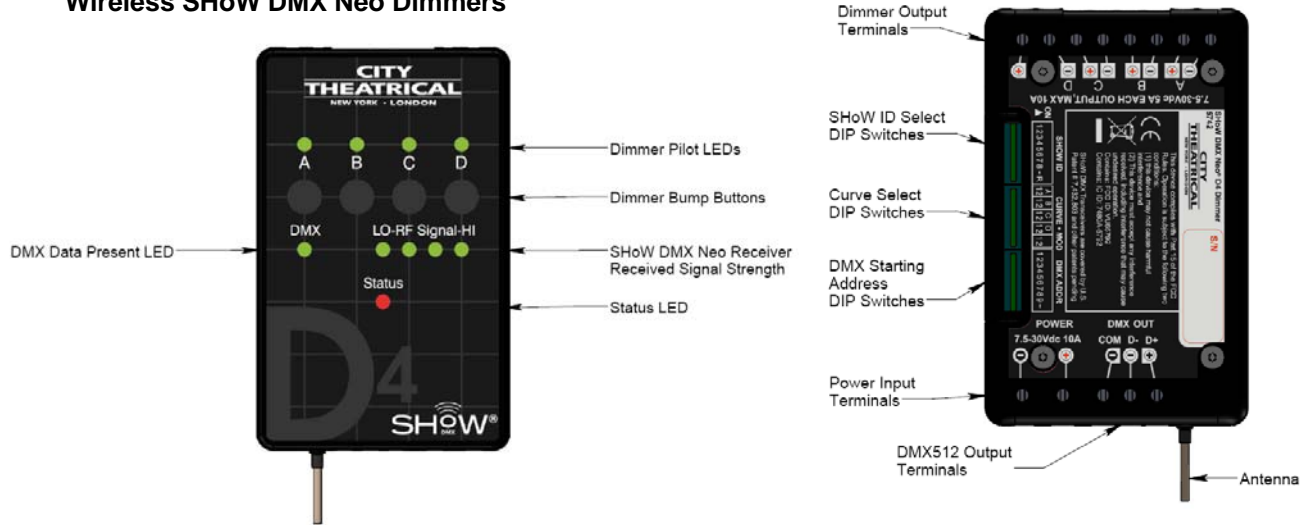
# CITY THEATRICAL

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## SHoW DMX Neo® Wireless and Wired DMX D2 and D4 Dimmers Quick Start Guide

### Wireless SHoW DMX Neo Dimmers



The wireless SHoW DMX Neo D2 and D4 Dimmers have all the same features, except that the SHoW DMX Neo D4 has four dimmer channels (A, B, C & D) while the SHoW DMX Neo D2 has two dimmer channels (A & B).

The SHoW DMX Neo D2 and D4 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 SHoW DMX Neo D4 Dimmer with clear line of sight between the SHoW Baby antenna and the SHoW DMX Neo D4 Dimmer'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 few Received Signal Strength LEDs are lit, adjust the antenna positions so they are parallel and check for radio barriers)
7. SHoW ID: Your new SHoW DMX Neo D4 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	DIP Setting
201	11001001



- 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	DIP Setting
1	000000001



### 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 D4 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.

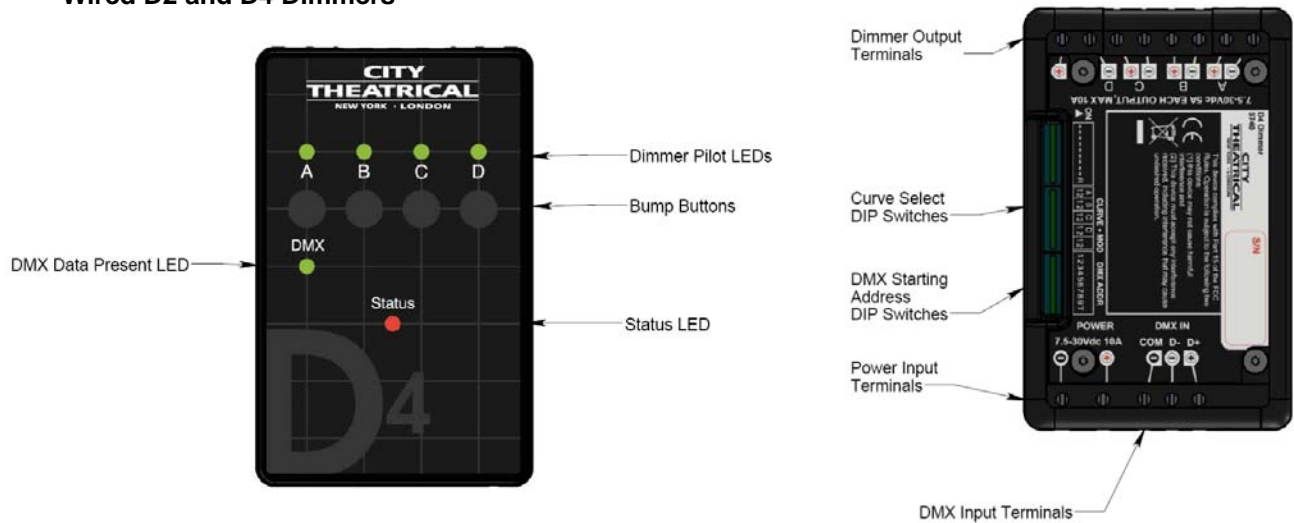


#### Connecting Single Color Tape

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 D2 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 D2 and D4 Dimmers



The wired D2 and D4 Dimmers have all the same features, except that the D4 has four dimmer channels (A, B, C & D) while the D2 has two dimmer channels (A & B).

The D2 and D4 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 SHoW DMX Neo D series Dimmer, SHoW Baby, SHoW DMX Neo Receiver or SHoW DMX Neo Transceiver.
15. Connect +7.5 ~ 30VDC DC Power as noted in step 5.  
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	DIP Setting 987654321
1	00000001



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**