

CITY THEATRICAL

NEW YORK • LONDON

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SHoW DMX Neo D2 and D4 Dimmers

The SHoW DMX D2 and D4 Dimmers provide a tiny but powerful and affordable new way to control LED tape, other LEDs, or low voltage incandescent fixtures. These new miniature dimmers are available as either a two channel (D2) or four channel (D4) version, with either an integrated SHoW DMX Neo® Wireless DMX Receiver or a wired DMX input.

DMX Control Features

The SHoW DMX Neo D2 and D4 Dimmer (Wireless version) include:

- SHoW DMX Neo 2.4GHz Frequency Hopping Spread Spectrum (FHSS) Radio
 - Wirelessly receive and output a full universe (512 slots) of DMX
 - Extremely low 7mS latency
 - RDM proxy and responder functions
 - Included 2dBi Omni-directional Flexible Cable Antenna
 - SHoW DMX Neo and SHoW DMX Neo Adaptive wireless broadcast modes (SHoW IDs 101-164, 201-204), compatible with SHoW DMX Neo Transceiver, SHoW DMX SHoW Baby® Transceiver, SHoW DMX Vero Net™ Transceiver, SHoW DMX Vero™ Transceiver, MasterBlast™
- 3P Screw Terminals for DMX Out

The D2 and D4 Dimmer (wired DMX versions) include:

- 3P Screw Terminals for DMX In/Pass-Thru
- RDM Responder functions

Mechanical

NEMA 1 ABS enclosure

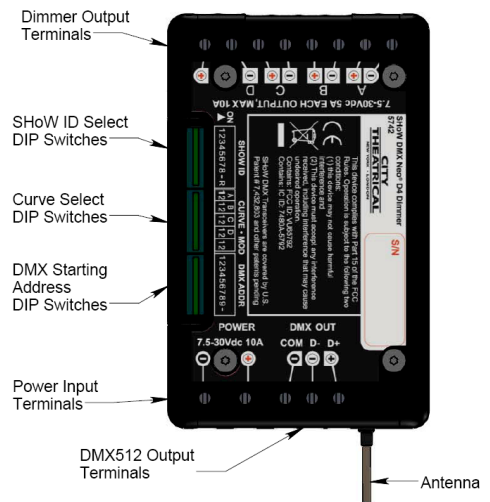
Electronic/ Functional Features

All units include:

- Bump Buttons
- DIP Switch, DMX Addressing (9POS)
- DIP Switch, SHoW ID addressing (wireless only, 8POS)
- DIP Switch, Curve Selection (4POS)
- DIP Switch, LED Film and Video Modes (4POS)
- DIP Switch, DMX Termination (wired DMX units only, 1POS)
- LED indicators:
 - Dimmer pilot lights (one for each channel)
 - Data (data present)
 - RF Signal Strength, Low to High (wireless only, four LEDs)



SHoW DMX Neo D4 Dimmer, Front View



SHoW DMX Neo D4 Dimmer, Rear View

- Status

Other Features

All units include:

- Two (D2) or four (D4) dimmer output channels
- Fully RDM enabled
- Individual DMX addresses
- Max output per dimmer channel 5A
- Max total output per device 10A
- Screw terminal connections for power input and dimmed output
- Self healing over current protection
- Individually protected against over-temperature
- Individual bump buttons
- PWM resolution 16-bit
- Dimming Curves
 - Linear, 60Hz
 - ISL, 60Hz
 - Non-Dim
- LED Features:
 - Five variable LED smoothing rates
 - Four Film and Video Modes

LED Non-Flicker Camera Testing For Film and Video

The City Theatrical D4 Dimmer was tested and found to be flicker free at these settings. Always perform your own testing. Call us to obtain more information on flicker free setup.

Camera	Product	Frames Per Second	Shutter Angle	Aperture	F & V Modes Tested
35mm Moviecam SL	5722-5742	24fps	180°	<i>f</i> /4	1,2,3,4
35mm Moviecam SL	5722-5742	48fps	180°	<i>f</i> /2.8	1,2,3,4
35mm Moviecam SL	5722-5742	48fps	144°	<i>f</i> /2.6	1,2,3,4
Red Epic	5722-5742	24fps	180°	<i>f</i> /5.6	1,2,3,4
Red Epic	5722-5742	48fps	180°	<i>f</i> /4	1,2,3,4

Compliance:

- RoHS Compliant
- CE Pending
- FCC Pending

Part Number	Name	Channels	Type
5720	D2 Dimmer	2	Wired
5722	SHoW DMX Neo D2 Dimmer	2	Wireless DMX
5740	D4 Dimmer	4	Wired
5742	SHoW DMX Neo D4 Dimmer	4	Wireless DMX

Power: 7.5-30VDC 10A Max Power Input

Weight: 0.15 lbs/.08Kg

Dimensions: 2.25"/57mm W x3.5"/60mmH x 0.56"/14mmD (excluding antenna)

SHoW DMX Transceivers are covered by U.S. Patent # 7,432,803 and other patents pending.