

CITY THEATRICAL

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QolorFLEX® 2x5A and 4x2.5A SHoW DMX Neo® Dimmers

The QolorFLEX® 2x5A and 4x2.5A SHoW DMX Neo® 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 or four channel version, with either an integrated SHoW DMX Neo® Wireless DMX Receiver or a wired DMX input.

DMX Control Features

The QolorFLEX® 2x5A and 4x2.5A SHoW DMX NeoDimmers (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 SHoW DMX Neo QolorFLEX® 2x5A and 4x2.5A Dimmers (wired DMX versions) include:

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

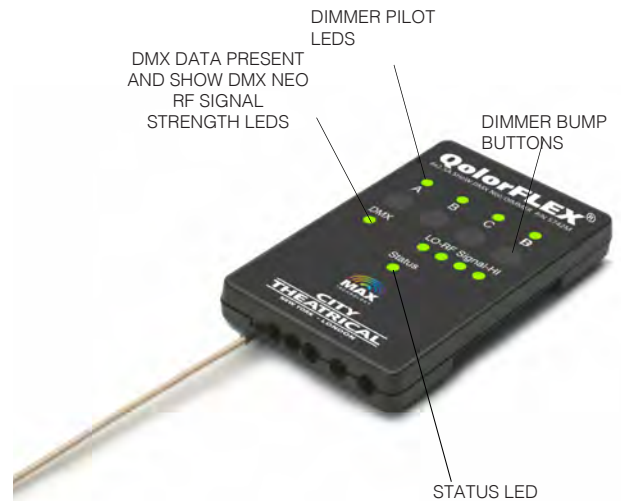
Mechanical

NEMA 1 ABS enclosure

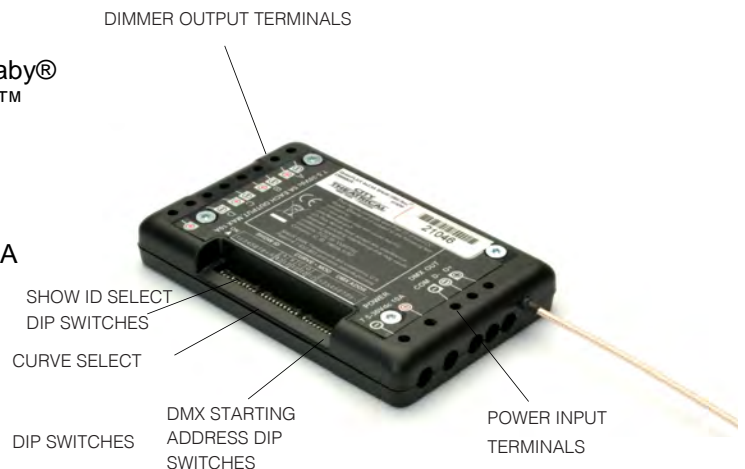
Electronic/ Functional Features

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)
 - Status



4x2.5A SHoW DMX Neo Dimmer, Front View



4x2.5A SHoW DMX NeoDimmer, Rear View

Other Features

All units include:

- Two or four 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 QolorFLEX 4x2.5A 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°	f/4	1,2,3,4
35mm Moviecam SL	5722-5742	48fps	180°	f/2.8	1,2,3,4
35mm Moviecam SL	5722-5742	48fps	144°	f/2.6	1,2,3,4
Red Epic	5722-5742	24fps	180°	f/5.6	1,2,3,4
Red Epic	5722-5742	48fps	180°	f/4	1,2,3,4

Compliance:

- RoHS Compliant
- CE
- FCC

Part Number	Name	Channels	Type
5720	2x5A Dimmer	2	Wired
5722M	SHoW DMX NEO 2x5A Dimmer	2	Wireless DMX
5740	4x2.5 Dimmer	4	Wired
5742M	SHoW DMX Neo 4x2.5 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.