CITY THEATRICAL
NEW YORK • LONDON

QolorFLEX® 5x2.5A 900MHz/ 2.4GHz Multiverse® Dimmer

QolorFLEX®

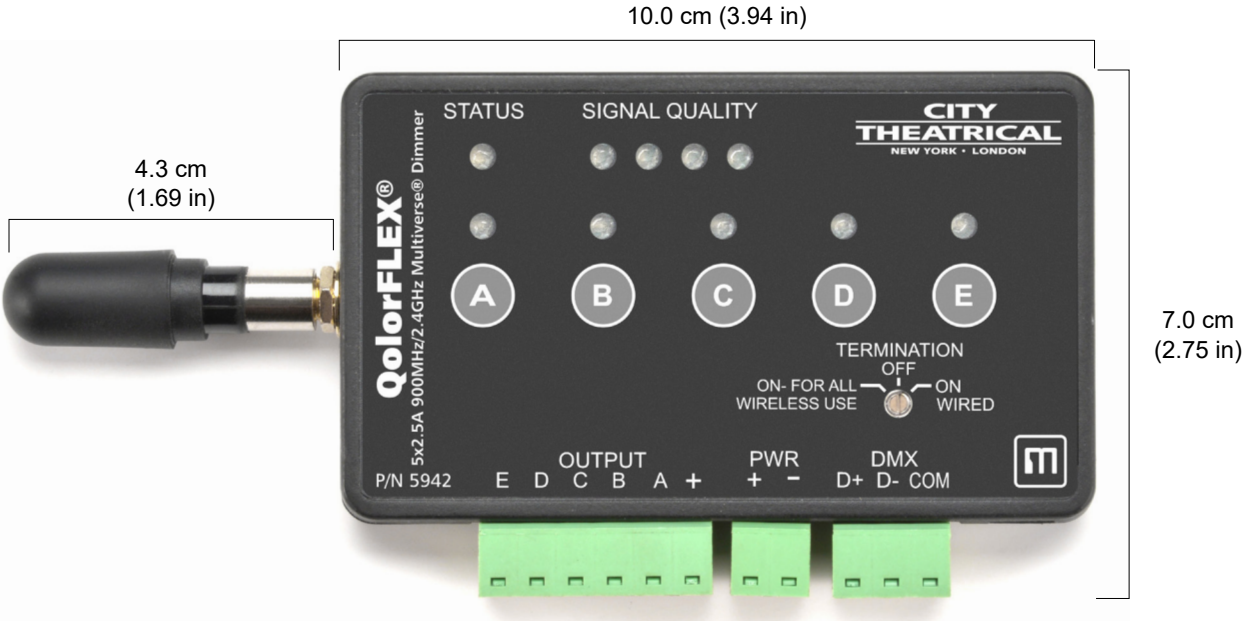
QolorFLEX® 5x2.5A 900MHz/2.4GHz Multiverse® Dimmer (P/N 5942) is a constant voltage, five-output dimmer that can be controlled wirelessly using City Theatrical's Multiverse or SHoW DMX Neo wireless DMX/RDM technology, or with wired DMX. This dimmer provides 20-bit PWM resolution and 8-bit or 16-bit control for extremely smooth dimming at the low end of the dimming curve. It uses detachable input and output connectors to make wiring easy. Configuration is performed using RDM, such as with a City Theatrical DMXcat®, or with City Theatrical's USB Configuration program for PC/Mac. A mounting bracket is included with the Dimmer to allow easy mounting to scenery. This dimmer is designed and built in the USA by City Theatrical. It pairs perfectly with QolorFLEX 5-in-1 LED Tape for ideal use in props and costumes, or for areas where space is a concern.

SPECIFICATIONS:

P/N	Frequency	Universes
5942	900MHz**/2.4GHz	1

Physical		
Length with Antenna	10.0 cm 14.3 cm	(3.94 in) (5.63 in)
Width with Phoenix Connectors	5.9 cm 7.0 cm	(2.31 in) (2.75 in)
Height	1.6 cm	(0.63 in)
Weight	0.07 kg	(0.15 lbs.)
Construction	NEMA 4 IP20 ABS Plastic	
Connections	Pluggable connectors	
Mounting	Plastic bracket included	

Dimming Information	
Voltage Range	5 - 30 VDC
PWM Frequencies (Hz)	60, 1.2K, 2.4K, 5K, 12K, 24K, 50K
Power	4A/channel maximum; 12.5A total
Control Resolution	8-bit; 16-bit
PWM Resolution	20-bit



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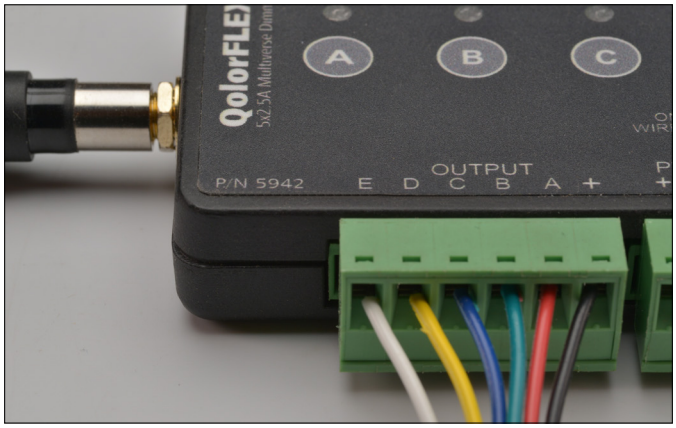

*Multiverse Transceivers are covered by U.S. Patent # 7,432,803 and other patents pending.

**The 900MHz band is licensed for use in North America only.

Radio Information

Broadcast Power	Antenna dependent; 100mW EIRP
Broadcast Modes	Adaptive, Full, Low, Mid, High, Max
Ethernet Protocols	N/A
SHoW IDs	Multiverse: 237; Neo: 70
Latency	4ms average
RF Sensitivity	-95dBm
Antenna	Dual band omnidirectional, 900MHz/2.4GHz 1.8dBi/3.8dBi
RDM Features	RDM Proxy, RDM Responder

Product Information

Firmware	User updateable via micro USB
Configuration	RDM, City Theatrical USB Configuration Program (PC/Mac)
Use Environment	Indoor
Warranty	One year
Manufacturing Origin	USA
Compliance	RoHS, FCC, IC

FEATURES:

- Wireless or wired DMX input
- Wired DMX output
- Mounting bracket included
- Compatible with all Multiverse and SHoW DMX Neo SHoW IDs
- User selectable choice of 2.4GHz or 900MHz radio
- DMX termination selector switch
- Per channel level indicator lights
- Per channel PWM frequency, response time, and curve selections
- Per channel bump buttons, with disable function
- Per channel offsets to balance the point at which each dimmer first turns on (important for perfect low end balance)
- DMX data loss options
- Micro USB port for firmware updates and configuration
- Class 2 outputs
- Error detection and signal light for short circuits, over current, over/under voltage, over temperature

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