



**QolorFLEX®**

**QolorFLEX® 2x2.5A 2.4GHz Multiverse® Dimmer (P/N 5916)** is a small, constant voltage, two-output dimmer designed to be mounted in small spaces such as props, costumes, wands, and candles. It 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 four DMX personality options (two variations of 8-bit and 16-bit control) for extremely smooth dimming at the low end of the dimming curve. Configuration is performed using RDM, such as with a City Theatrical DMXcat®, or with City Theatrical's USB Configuration program for PC/MAC. A plastic case is included with the QolorFLEX 2x2.5A Multiverse Dimmer to allow easy mounting to scenery while enabling removal of the dimmer from the case for wiring and configuration. This dimmer is designed and built in the USA by City Theatrical.

**FEATURES:**

- Ideal for props and costumes with a low profile
- Wireless or wired DMX input
- Wired DMX output
- Plastic case included
- Compatible with all 2.4GHz Multiverse and SHoW DMX Neo SHoW IDs
- 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
- Micro USB port for firmware updates and configuration
- Low profile latch connections for power, dimmer outputs, and DMX

**SPECIFICATIONS:**

P/N	Frequency	Universes
5916	2.4GHz	1

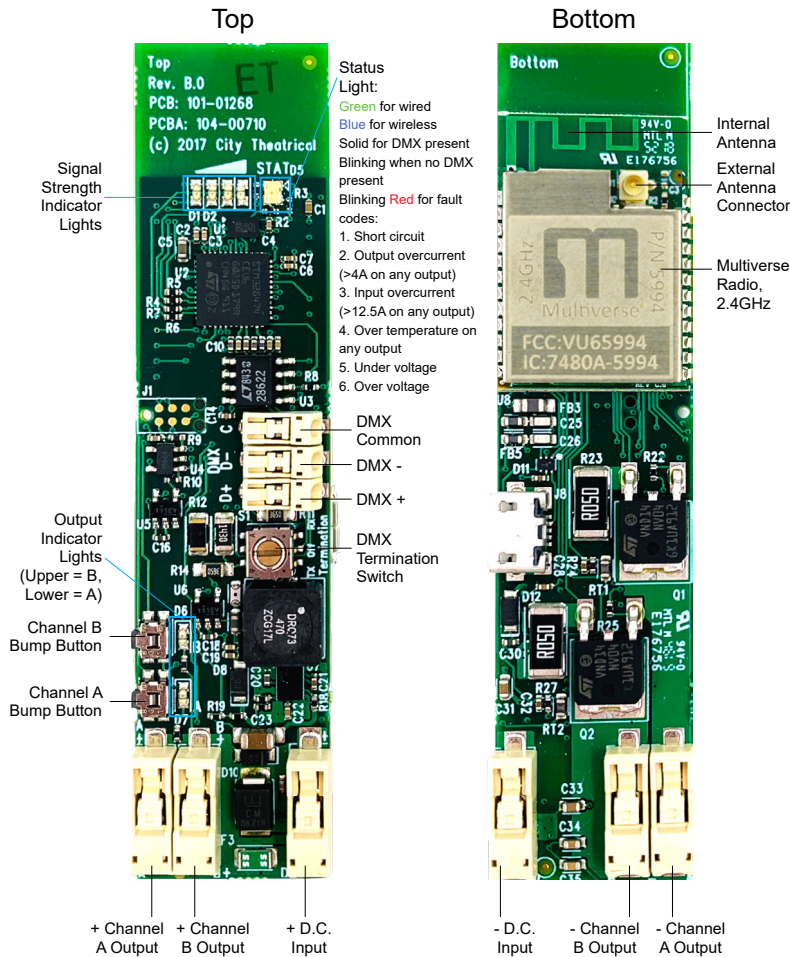
Physical		
Length (w/ plastic case)	108 mm	(4.125 in)
Board only	81 mm	(3.2 in)
Width (w/ plastic case)	22 mm	(0.875 in)
Board only	19 mm	(0.75 in)
Height	14 mm	(0.562 in)
Board only	10 mm	(0.38 in)
Weight	0.02 kg	(0.05 lbs.)
Connections	Low profile latch connectors	
Construction	NEMA 4 IP20 ABS Plastic	
Mounting	Screw holes in tabs on ends of plastic case	

Dimming Information	
Voltage Range	5 - 30 VDC
PWM Frequencies (Hz)	60 incan, 1.2K LED, 1.2K candle, 2.4K LED, 5K LED, 12K LED, 24K LED, 50K LED
Power	4A/channel maximum; 5A total
Control Resolution	Four DMX personality options: 8-bit (5ch), 16-bit (10ch), 8-bit Tunable White Single (2ch), and 16-bit Tunable White Single (4ch)
PWM Resolution	20-bit





## CIRCUIT BOARD: (Enlarged to show detail)



## SPECIFICATIONS: (Continued)

### Radio Information

Broadcast Power	Antenna dependent; 100mW EIRP
Broadcast Modes	Adaptive, Full, Low, Mid, High, Max
Ethernet Protocols	N/A
SHoW IDs	Multiverse: 147; Neo: 70
Latency	4ms average
RF Sensitivity	-95dBm
Antenna	Internal, plus U.FL connector for external antenna
RDM Features	RDM Proxy, RDM Responder

### Product Information

Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 85°C
Configuration	RDM or City Theatrical USB Configuration Program (PC/Mac)
Use Environment	Indoor
Warranty	One year
Manufacturing Origin	USA
Compliance	CE, RoHS, FCC, AU, Japan, IC

