

# W-DMX RX

## Wireless DMX Receiver

The W-DMX Receiving unit RX is a part of the new generation wireless DMX systems that employs the W-DMX technology. The W-DMX receiver is a compact and plug-and-play device that is easy to set up and use.

The W-DMX system represents a true innovation in comparison with other wireless DMX systems because it employs the adaptive FHSS standard that uses 83 discrete frequency channels; checking for interference free transmission every millisecond.

### Power supply

230V/50Hz or 84-256V 50/60Hz

### Operating temperature

-20 °C to +40 °C

### Housing

Steel; with powder coating

### Dimensions & Weight

93 x 123 x 45mm, 1kg

### Warranty

2 years



### W-DMX-RX features:

- Single Universe Receiver
- Latency: <5ms
- One-button-to-go technology for ease of use
- LED indication of the DMX and W-DMX status
- Adaptive Frequency Hopping Radio
- 2.4GHz radio – license free worldwide
- Optional 5.8GHz dual band
- Interchangeable antennas; expands the range easily
- Comes with 2dBi indoor antenna

### DMX input:

USITT DMX 512 (1990); high voltage protection (peak power 600W, 10/1000us)

### Compliance declarations:

ETSI: EN300 328 & 300 826 CE: EN60950  
FCC: UQT-WDXOEMPCBF EMC: EN301 489-17

### XLR 3-/5-pin connector (Neutrik®):

**Pin 1** Data CMN  
**Pin 2** Data -  
**Pin 3** Data +  
**Pin 4, 5** not connected



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### Operation:

To attach a W-DMX Receiver to the W-DMX Transmitter, simply hold the function button on the Transmitter for a long time. The transmitter will start flashing rapidly in red/green colour scanning for new free receivers. When the receiver logs onto the transmitter, the link green light will start to flash rapidly in the same way as the transmitter. After approximately 10 seconds the transmitter will jump back to normal mode and continue transmitting data. The receivers will now try to synchronize with the transmitter.

### When synchronized to the transmitter:

- a. **No DMX signal is connected:**  
the W-DMX transmitter flashes red/green; link green light on the receiver is ON and the data green light is OFF. To log the receiver off from the transmitter, simply press the function button on it for approximately 5 seconds; when logged off, the link green light will be off, meaning login onto a new transmitter is available.
- b. **DMX signal is connected:**  
the W-DMX transmitter LED is green – standard operation

### Logging off all receivers currently logged onto the transmitter:

Press and hold the function button on the transmitter for about 5 seconds. When the receivers' LINK green lights are off, all the receivers are logged out.

### Point/Multi-point operation:

- **Point to point operation:** In this mode, one W-DMX transmitter (W-DMX TX) is communicating with one W-DMX receiver (W-DMX RX).



- **Point to multipoint operation:** In this mode, one W-DMX transmitter (W-DMX TX) is communicating with up to 48 W-DMX receivers (W-DMX RX).

