

# Wireless DMX Receiver unit

W-DMX Receiver unit is part of a new generation wireless DMX system which employs the W-DMX technology. W-DMX Receiver is a compact, plug and play device, easy to set up and use. W-DMX system represents a true innovation in comparison with other wireless DMX systems, because it employs the adaptive FHSS standard instead of the commonly used W-LAN standard. The W-LAN standard uses fixed channels without hopping, so it has a much bigger risk for interference from other competing local wireless networks. The FHSS standard instead uses 83 discrete frequency channels, checking every millisecond for interference free transmission.



## DMX input

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

## Compliance declarations:

ETSI: EN300 328 & 300 826

EMC: EN301 489-17

CE: EN60950

FCC: UQT-WDXOEMPCBF

## Power supply

230V/50Hz or 84-256V 50/60Hz - full range /see order numbering/

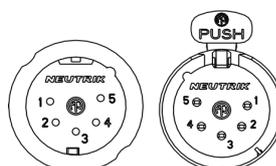
## Housing

Steel housing with powder coating

93 x 123 x 45 mm, 1 kg

## XLR 5 pin connector (Neutrik®)

Pin 1	GND
Pin 2	Data -
Pin 3	Data +
Pin 4,5	Not connected



## Working with the Receiver

To attach the current W-DMX Receiver to the W-DMX Transmitter simply hold the function button on Transmitter for long time. The transmitter will start flashing rapidly red/green scanning for new free receivers. When a receiver logs on to the transmitter the LINK green light starts 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 now try to synchronize to the transmitter.

When synchronized to the transmitter:

- **No DMX signal connected**, the W-DMX transmitter will flash red/green; LINK green light on the receiver is on and DATA green light is off. To log a receiver off from a transmitter simply press the function button on it for approximately 5 seconds; when logged off the LINK green light will be off, meaning it's available for log in on a new transmitter.
- **DMX signal connected**, the W-DMX transmitter will be green – standard operation

## Logging off W-DMX Receiver currently logged to the Transmitter:

Press and hold the function button of the receiver for about 5 seconds. When the receivers LINK red light is on the receiver is logged out.

## Point/Multipoint operation:

- **Point to point operation:**

In this mode the one W-DMX Transmitter is talking to the one W-DMX Receiver.



- **Point to multipoint operation:**

In this mode the one W-DMX Transmitter is talking to the up to 48 x W-DMX Receivers.

