Marconi LV Wireless DMX Receiver

The Marconi Wireless DMX Receiver *(Marconi LV)* receives all 512 channels (one universe) of DMX512 using 2.4 GHz spread spectrum technology. Power in and DMX out are provided on 10" pigtails with a chassis mounted 'through' connector provided for power. The *Marconi LV* may be powered by any 4-pin female XLR port (LED or Color Scroller power supply) that uses pins 1 and 4 for power, or by an optional 'wall wart' adapter. The power 'through' connector passes all four pins through so the user does not lose the use of the XLR port from which power is taken.

Marconi products use the W-DMX system (invented by Wireless Solutions in Sweden) which allows up to 16 transmitters and any number of receivers to be used simultaneously in a single venue. Since any Marconi receiver can listen to any W-DMX transmitter, there has to be a way to tell each receiver which transmitter to listen to. This is accomplished by Assigning or Linking the Marconi to a transmitter. The transmitter assignment information is held in non-volatile memory so if the user has only one W-DMX transmitter (or keeps his systems separate), the configuration process described below will only have to be done once.

To assign (link, bind, etc.) the Marconi receiver to a transmitter:
Both the *Marconi LV* and W-DMX transmitter must be powered up and within range of each other.
Using a paper clip, press and hold the recessed CONFIG button on the *Marconi LV* until the ASSIGNED indicator goes off (about 5 seconds). This will unassign the *Marconi LV* from any other transmitter.
On the W-DMX transmitter this receiver is to listen to, press and release the configuration button. (This button may be labeled CONFIG, LINK, ASSIGN, FUNCTION, etc. depending on the manufacturer). The W-DMX transmitter will then broadcast a signal telling all unassigned W-DMX receivers, to assign themselves to this transmitter.
If successful, the *Marconi LV* ASSIGNED and RF LINK indicators will illuminate.

Note: The *Marconi LV* is only compatible with Wireless Solutions G3 mode.

SPECIFICATIONS:

Output circuit: EIA-485 slew rate limited driver protected by two self resetting fuses and two transient absorbing diodes.

Connectors: DMX512:   Gold plated 5 pin Neutrik   Pin 1: Common, Pin 2: Data-, Pin 3: Data+, Pins 4&5: n/c
              Power: Gold plated 4 pin Neutrik   Pin 1: Power, Pins 2&3: connected through, Pin 4: Power
              Antenna: Gold plated Reverse Polarity SMA connector

Antenna: A 2dB whip antenna is supplied. Gain antennas are available to increase the reception range.

User controls: Recessed CONFIG button. Activated using bent paper clip (not supplied).

Indicators: Red: POWER
              Blue: ASSIGNED, illuminates when the unit is assigned to a transmitter
              Yellow: RF LINK, illuminates when the assigned transmitter is on and within range
              Green: DMX512, illuminates when DMX512 is available at the output

Power in: 12 to 24 VDC or 9 to 18 VAC, 100 mA, Polarity independent (internal diode bridge)

Color: Black with laser engraved nomenclature

Size & weight: 1.5"H x 4.75"D x 3.5"W, 1 pound

Mounting: A screw and fender washer are provided to mount the *Marconi LV* to the handle of an LED300 power supply
            A 1/2" hole is provided for C clamp or half coupler mounting
            Two 3/8" x 3/4" slots are provided for safety cables or other mounting techniques

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Limited Manufacturer's Warranty

Products manufactured by Doug Fleenor Design (DFD) carry a five-year parts and labor warranty against manufacturing defects. It is the customer's responsibility to return the product to DFD at the customer's expense. If covered under warranty, DFD will repair the unit and pay for return ground shipping. If a trip is necessary to the customer's site to solve a problem, the expenses of the trip must be paid by the customer.

This warranty covers manufacturing defects. It does not cover damage due to abuse, misuse, negligence, accident, alteration, or repair by other than by Doug Fleenor Design.

Most non-warranty repairs are made for a fixed $50.00 fee, plus shipping.

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