

Marconi TX Wireless DMX Transmitter



The Marconi Wireless DMX Transmitter (*Marconi TX*) sends all 512 channels (one universe) of DMX512 using 2.4 GHz spread spectrum technology. DMX512 input is on a 10" pigtail fitted with a 5-pin male XLR connector with a chassis mounted 'through' connector provided. For highest reliability, the through connector should only be used to run a short distance to a DMX splitter or other isolation device. This is because a cable fault on the through connector may corrupt the input signal at the *Marconi TX* and hence the transmitted signal as well. If the *Marconi TX* is plugged directly into the DMX source (console, splitter, computer, etc.) it is not necessary to terminate the through connector. If a cable is placed between the *Marconi TX* input pigtail and the DMX source, the through connector should be terminated.

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 W-DMX receiver can listen to any Marconi transmitter, there has to be a way to tell each receiver which transmitter to listen to. This is accomplished by Assigning or Linking the W-DMX receiver to the Marconi transmitter. Transmitter assignment information is held in the receiver's non-volatile memory. 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 for each receiver.

To assign (link, bind, etc.) a W-DMX receiver to a *Marconi TX*:

Both the *Marconi TX* and W-DMX receiver must be powered up and within range of each other.

On the W-DMX receiver, press and hold the configuration button for 5 seconds. This button may be labeled CONFIG, LINK, ASSIGN, FUNCTION, etc. depending on the manufacturer. This will unassign the W-DMX receiver from any other transmitter. Using a paper clip, momentarily press and release the recessed CONFIG button on the *Marconi TX*. The Marconi transmitter will then broadcast a signal telling all unassigned W-DMX receivers, to assign themselves to this transmitter.

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

SPECIFICATIONS:

Input circuit: Wireless Solutions 'micro' radio protected by two self resetting fuses and four transient absorbing diodes.

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

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

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

Indicators: Red: POWER
Blue: TRANSMITTING, illuminates when the transmitter is sending RF
Yellow: CONFIGURED, illuminates once the transmitter has finished configuring receivers
Green: DMX512, illuminates when DMX512 is present at the input

Power in: 100-240 VAC, 10 Watts

Color: Black with laser engraved nomenclature

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

Mounting: 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.

Doug Fleenor Design, Inc.

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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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