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.

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.

ESTA
MANUFACTURER MEMBER
ENTERTAINMENT SERVICES & TECHNOLOGY ASSOCIATION

W-DMX

Doug Fleenor Design, Inc.
396 Corbett Canyon Road
Arroyo Grande, CA 93420
(805) 481-9599 voice and FAX
(888) 4-DMX512 toll free (888) 436-9512
web site: http://www.dfd.com
e-mail: info@dfd.com