

## Marconi SP Wireless DMX Splitter



The Marconi Wireless DMX Splitter (*Marconi SP*) receives all 512 channels (one universe) of DMX512 using 2.4 GHz spread spectrum technology and provides three isolated DMX512 outputs.

*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 splitter to a transmitter:

Both the *Marconi SP* 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 SP* until the ASSIGNED indicator goes off (about 5 seconds). This will unassign the *Marconi SP* 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 SP* ASSIGNED and RF LINK indicators will illuminate.

### SPECIFICATIONS:

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

Isolation: 2500 Volt optical coupler, 1000 Volt DC/DC converter

Connectors: DMX512: Gold plated 5 pin Neutrik Pin 1: Common, Pin 2: Data-, Pin 3: Data+, Pins 4&5: n/c  
(3 pin connectors are optional)

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: 100-240 VAC, 10 Watts

Color: Black with laser engraved nomenclature

Size & weight: 1.7"h X 5"d X 6"w, 2 pounds

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.