



WSTXF  
WIRELESS DMX TRANSMITTER  
OWNER'S MANUAL

Version 1.0  
06/28/2022

**DESCRIPTION**

The WSTXF is a compact RF transmitter unit which transmits a DMX-512 lighting control signal. Its input signal is received from a normal wired DMX system via a standard 5-pin male XLR connector. The WSTXF is supplied with an external power supply and a transmitting antenna.

The WSTXF can operate with multiple compatible wireless DMX dimmers and/or receivers. The receiver units get the same information they would get using a cable connected to a DMX lighting controller.

The wireless system uses the 2.45 GHz band and operates at low power (< 100mW). The operating range is approximately 1400 ft. indoors and about 4000 ft. for outdoor operation. This range could vary significantly depending on the surrounding conditions.

A link between a specific single WSTXF transmitter and one or more compatible receiving units is invoked to enable wireless operation. The linking operation is performed at the transmitter. Once linked, the receiver(s) can operate ONLY with that specific transmitter. The link is retained even when the receiver(s) and/or transmitter are powered off.

Receivers may be released from the link either at the transmitter or at the receiver. If released at the transmitter then ALL receivers linked to that transmitter will be released. If released at the receiver then ONLY that receiver will be released.

**INSTALLATION**

**POWER CONNECTION**

The WSTXF is powered by an external 120VAC power supply which provides 12VDC at 1 Amp to the unit. The power connector on the unit is a 2.1mm male socket. When using a DC power supply, the center pin must be POSITIVE. It can be powered by another source if it meets the requirements marked on the WSTXF.

Connect the power supply to any convenient 120VAC outlet. Then connect the 2.1mm plug to the WSTXF.

**ANTENNA CONNECTION**

Carefully thread the antenna on the gold antenna connector on one end of the unit. It should be finger tight only. The connectors can be damaged or jammed if too tight. The antenna will swivel to a convenient orientation while connected.

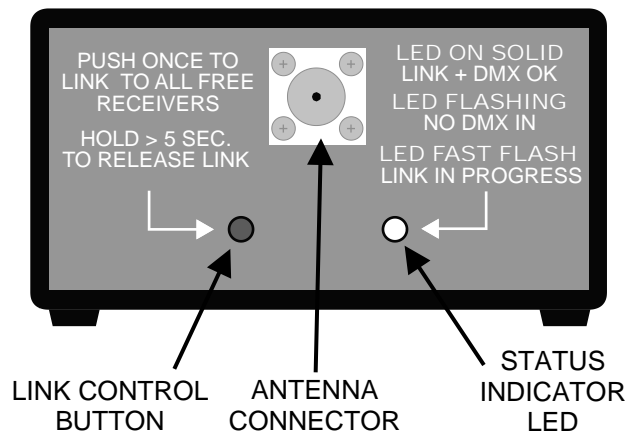
[www.lightronics.com](http://www.lightronics.com)

**DMX INPUT CONNECTION**

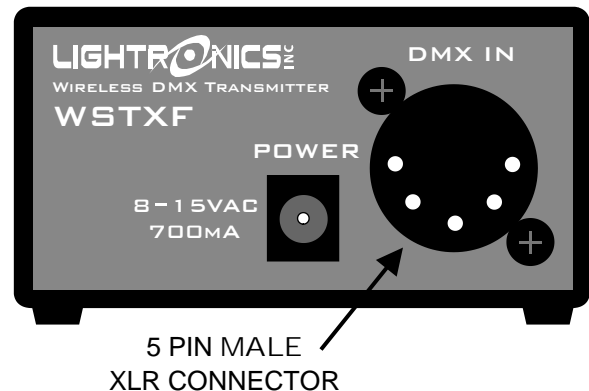
Connect the incoming DMX signal to the 5-Pin Male XLR connector on the end of the WSTXF.

DMX CONNECTOR PIN NUMBER	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +
4	NOT USED
5	NOT USED

**FRONT VIEW**



**REAR VIEW**



**OPERATION**

**LINK CONTROL BUTTON**

This pushbutton switch is used to both link and release the links with all free receiver units within its range.

**STATUS INDICATOR LED**

The indicator shows the status of the unit as follows:

OFF.....NO POWER  
SLOW FLASH.....NO DMX IN  
FAST FLASH.....LINKING IN PROGRESS  
ON.....DMX IN and TRANSMITTER OK

**LINKING RECEIVERS**

LINKS WILL NOT BE ESTABLISHED WITH RECEIVERS ALREADY LINKED TO ANOTHER TRANSMITTER DEVICE.

You should begin by unlinking the receiver at the receiver itself since it could be linked to a transmitter other than the one you have.

Push the link control button on the transmitter once (do not hold it down). The indicator LED will go to a fast flash for about 10 seconds. It will then go to an ON state.

The link indicator on the receiver will also go to fast flash and may continue this for several more seconds after the transmitters indicator goes to ON. The link indicator on the receiver will go to an ON state when the link is stable.

Note: This process can be repeated to add more receivers without unlinking previously linked receivers.

**UNLINKING RECEIVERS AT THE TRANSMITTER**

Note that receivers link to a different transmitter will not be released.

Hold the link control button down for about 5 seconds.

The indicator LED will go to slow flash showing that no links are active.

The link indicator on the receiver unit(s) will go OFF.

**MAINTENANCE AND REPAIR****OWNER MAINTENANCE**

There are no user serviceable parts in the unit. Service by other than Lightronics authorized agents will void your warranty.

**CLEANING**

The unit exterior may be cleaned using a soft cloth dampened with a mild detergent/water mixture or a mild spray-on type cleaner. DO NOT SPRAY ANY LIQUID directly on the unit. DO NOT IMMERSE the unit in any liquid or allow liquid to get into the controls. DO NOT USE any solvent based or abrasive cleaners on the unit.

**OPERATING AND MAINTENANCE ASSISTANCE**

Dealer and Lightronics personnel can help you with operation or maintenance problems. Please read the applicable parts of this manual before calling for assistance.

If service is required - contact the dealer from whom you purchased the unit or contact Lightronics Service Dept., 509 Central Drive, Virginia Beach, VA 23454 TEL: (757) 486-3588.

**WARRANTY INFORMATION AND REGISTRATION - CLICK LINK BELOW**

[www.lightronics.com/warranty.html](http://www.lightronics.com/warranty.html)