

LIGHTRONICS



WSRXF WIRELESS DMX RECEIVER OWNER'S MANUAL

Version 1.0
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DESCRIPTION

The WSRXF is a compact RF receiver unit which can receive a DMX-512 lighting control signal from a compatible wireless DMX transmitter or wireless equipped DMX controller. The received DMX signal is available on a 5-pin Female XLR connector for a connection to a normal wired DMX system. The WSRXF is supplied with an external power supply and an antenna.

The WSRXF operates with a single specific compatible wireless DMX transmitter or controller at a time. Receiver units get the same information they would get using a cable connected to a DMX lighting console. Multiple WSRXF receivers may be operated with a single transmitter or 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 one or more WSRXF receivers and one compatible transmitter unit 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(s). If released at the transmitter then ALL linked receivers will be released. If unlinked at the receiver then ONLY that receiver will be released.

INSTALLATION

POWER CONNECTION

The WSRXF is powered by an external 120VAC power supply which provides 12VDC at 1Amp 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 WSRXF.

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

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.

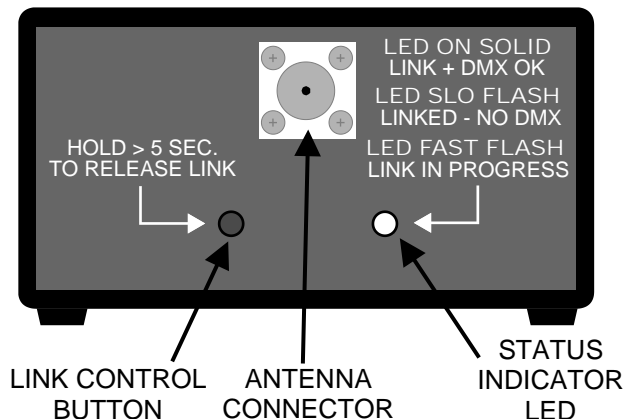
DMX OUTPUT CONNECTION

Connect the DMX signal cable to the 5 Pin Female XLR connector, on the end of the WSRXF.

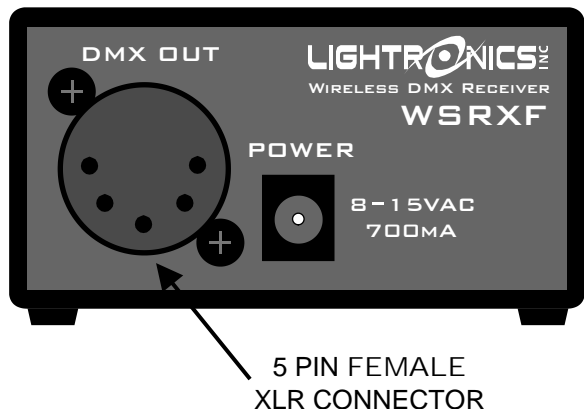
Connect the other end of the cable to a normal DMX Dimmer or dimmer chain.

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 release the link with its current transmitter.

STATUS INDICATOR LED

The indicator shows the status of the unit as follows:

OFF.....NO POWER OR NOT LINKED
SLOW FLASH.....LINKED - NO DMX
FAST FLASH.....LINKING IN PROGRESS
ON.....LINKED and RECEIVING DMX

LINKING RECEIVERS

Links are always performed at the transmitter. 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.

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

The link indicator on the WSRXF 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 with DMX present

UNLINKING A SINGLE RECEIVER

At the receiver - Hold the link control button down for about 5 seconds.

The receiver indicator LED will go OFF showing that no link is active.

UNLINKING ALL RECEIVERS AT THE TRANSMITTER

At the transmitter - Hold down the link control button down for about 5 seconds.

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

The receiver unit(s) status indicator will go OFF.

Note: Receivers linked to a different transmitter will not be released.

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. DO NOT IMMERGE 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