

Wireless DMX Distribution

Lumen Radio and Wireless Solutions versions

Lumen Radio standard
SP-LTX Transmitter
and SP-LRX Receiver



Wireless Solutions standard
SP-WTX Transmitter
and SP-WRX Receiver



- Portable and rugged Wireless-DMX transmitters and receivers
- Models in both Lumen Radio and Wireless Solutions standards
- Fully isolated DMX In/Thru on the transmitters
- Two independently isolated DMX outputs on the receivers
- Surge protected DMX inputs and outputs

THEATRELIGHT NZ

of New Zealand

Portable Wireless-DMX Transmitters and Receivers

Theatrelight Wireless-DMX transmitters and receivers are housed in rugged portable cases which may be mounted to a wall, by a dimmer cabinet for permanent installation, or tie-wrapped to a lighting bar. The TL-SPLTX transmitter and TL-SPLRX receiver use the Lumen Radio CRMX (tm) protocol while the Wireless Solutions TL-SPWTX transmitter and TL-SPWRX receiver use the W-DMX(tm) protocol, and employ original OEM PCBs from each maker. Both the models are made available to suit customers with previous stock who wish to add to their system. Range is stated by both makers to be ~500 meters in an average environment.

For further details about these two standards see

Lumen Radio: <http://www.lumenradio.com>

Wireless Solutions: <http://www.wirelessdmx.com>

TL-SPLTX Lumen Radio Transmitter

The TL-SPLTX transmits a single DMX universe over a radio link on the 2.4 GHz band to one or more TL-SPLRX receivers using the Lumen Radio CRMX protocol. The unit features a DMX input and a DMX Thru connector. The DMX input is surge protected and isolated to 500vdc for trouble-free connection to any control panel. The front panel has a back-lit **Connect** push switch for linking in all currently powered receivers, and LED indicators for **RF Link**, **DMX** (DMX transmit valid), and DMX input signal present **In**. Full operating instructions are printed on the top of the unit.

TL-SPLRX Lumen Radio Receiver

The TL-SPLRX receives a single DMX universe from a TL-SPLTX transmitter using the Lumen Radio CRMX protocol. The unit features two independently isolated DMX outputs, each surge protected and isolated to 500vdc. The front panel has a back-lit **Connect** push switch for unlinking the receiver from the current transmitter, and LED indicators for **RF Link**, **DMX** (wireless DMX valid), DMX outputs valid **A** and **B**, and 5 signal strength indicators. Full operating instructions are printed on the top of the unit.

TL-SPWTX Wireless Solutions Transmitter

The TL-SPWTX transmits a single DMX universe over a radio link on the 2.4 GHz band to one or more TL-SPWRX receivers using the Wireless Solutions W-DMX protocol. The unit features a DMX input and a DMX Thru connector. The DMX input is surge protected and isolated to 500vdc for trouble free connection to any control panel. The front panel has a back-lit **Function** push switch for linking in all currently powered receivers, and LED indicators for **Link**, **Data** (DMX transmit valid), and DMX input signal present **In**. Full operating instructions are printed on the top of the unit.

TL-SPWRX Wireless Solutions Receiver

The TL-SPWRX receives a single DMX universe from a TL-SPWTX transmitter using the Wireless Solutions W-DMX protocol. The unit features two independently isolated DMX outputs, each surge protected and isolated to 500vdc. The front panel has a back-lit **Function** push switch for unlinking the receiver from the current transmitter, and LED indicators for **Link**, **Data** (wireless DMX valid), DMX outputs valid **A** and **B**, and 5 signal strength indicators. Full operating instructions are printed on the top of the unit.

Inputs and Outputs

Each of the DMX inputs presents only one 1/250th standard RS-485 load to a DMX cable, and is isolated to 500VDC. All DMX I/O are surge protected for maximum reliability and safety. Neutrik 5 pin XLRs are standard but all may be ordered with 3 pin XLR connectors. A 2 db gain antenna is supplied with every unit. For enhanced range, other higher gain antennae may be used on the receivers.

Specifications

Construction: Powder-coated steel case

Input Power: 110-120 or 220-240 volts AC, factory preset

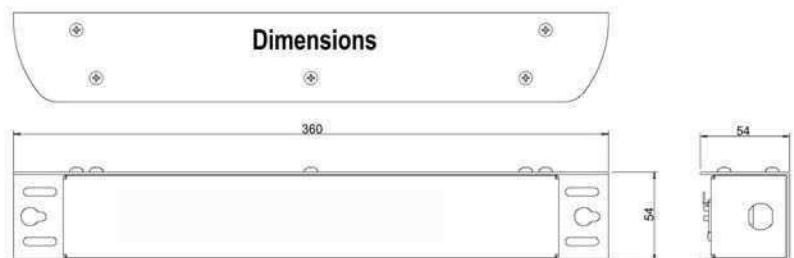
DMX Connectors: Neutrik 5 pin standard
(3 pin DMX connector options are available)

Antenna Connector: RP-TNC

Mains cable: 1 metre 3 core mains cable

Plug: Aust/NZ 3 pin plug, or tinned ends

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