

Wireless-DMX™



User Manual

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Introduction

This User's Manual is supplied with your Wireless-DMX Transmitter and Receiver. Copies of this manual may be obtained from Electronics Diversified, Inc. It is recommended that you copy those portions of the manual applicable to your present use in the installation, maintenance or repair, and preserve the original in a safe place.

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No part of this manual may be reproduced by any means, graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems, without the express written permission of Electronics Diversified, Inc., except in connection with installation, repair, operation and maintenance of purchased Wireless-DMX products.



Warning:

Electrical shock potential.

As with any electronic device, shock danger exists. Please use caution when employing this device. Make sure device is undamaged and no wires are exposed. During severe electrical storms, equipment should be disconnected. Failure to adhere to these requirements may result in malfunction or serious damage.

FCC Regulation

RX Labeling: This transmitter should be supplied with the following label at time of purchase.

FCC ID: NEK7445547-RX

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

TX Labeling: This transmitter should be supplied with the following label at time of purchase.

FCC ID: NEK7445547-TX

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Description

The Wireless-DMX transmitter and receiver eliminate the need for long runs of DMX cable between your dimmers and your control console. The product is made up of two basic parts: Transmitter and Receiver.

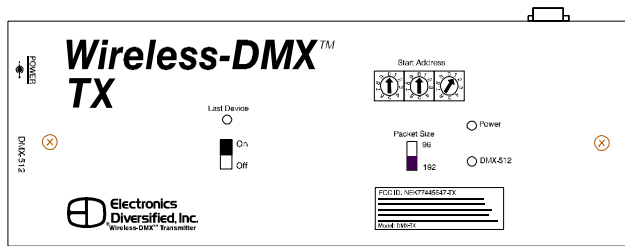
The Wireless-DMX RX is effective within a 300' radius in line of sight distance from the transmitter. Transmission distance may vary depending upon installation conditions and other sources of RF interference, so you may experience greater distance under optimal conditions. An unlimited number of receiver units can be used with a single transmitter.

The Wireless-DMX TX can transmit up to 192 DMX-512 channel addresses. This allows for additional dimmers, scrollers, smoke machines and other devices to be controlled remotely without running a DMX cable to each device. The radio packet size is selectable for either 96 or 192 channels. The packet starting address may be set to any valid DMX-512 address.



Set Up

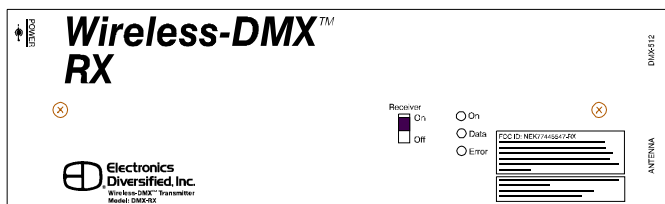
Transmitter:



Transmitter Diagram

1. Plug the wall transformer into a 110 AC outlet.
2. Connect the power cord to the input power jack of the transmitter. The green LED should now be lit.
3. Connect a 5-pin XLR cable to the DMX-512 IN port on the transmitter.
4. Connect the other end of the 5-pin XLR cable to a control console or other device that outputs a DMX-512 signal.
5. Set the DMX address wheel on the transmitter to the dimmer address of the first dimmer of the group you wish to transmit. The lowest start address must be 001. You cannot set the address for 000. When the address is set the yellow LED will be lit.
6. If you are using a single transmitter or if this is the last in a chain of DMX devices, switch the LAST DEVICE switch to the ON position.
7. Adjust the antenna so that it is upright and perpendicular to the earth. This will give you the best transmission range.

Receiver:



Receiver Diagram

1. Plug the wall transformer into a 110 AC outlet.
2. Connect the power cord to the input power jack of the receiver.
3. Connect a 5-pin XLR cable to the DMX-512 OUT port on the receiver.

4. Connect the other end of the 5-pin XLR cable to a dimmer pack, remote control connector or other device that accepts a DMX-512 signal.
5. Adjust the antenna so that it is upright and perpendicular to the earth. This will give you the best range from the transmitter.
6. Switch the POWER switch to ON. The green LED should now be lit.
7. The yellow LED will be lit when the unit is receiving information from the transmitter.

NOTE: The starting address of the receiver is always 001.

Technical Information

Physical Dimensions:

Transmitter:	1¾" W x 3.1/8" H x 8¾" L (4.4 cm x 7.9 cm x 22.2 cm)
Receiver:	1¾" W x 2¾" H x 9¼" L (4.4 cm x 6.9 cm x 23.5 cm)
Material:	Panel grade .062 aluminum formed and reinforced.
Weight:	1.5 lbs. (0.68kg)
Finish:	Black ployurethane enamel paint.
Graphics:	Silk-screened.
Frequency:	916.7 Mhz. Other frequencies available for multiple transmitter applications (special request only). Compliant with part 15.247 of FCC regulation for unlicensed use.
Signal:	Continuous transmission, encoded DMX 512 data packets. 50Hz update (96 dimmers) and 25Hz update (192 dimmers).

Transmission Rate:

Transmitter	- 65.2k baud.
Receiver	- 250k baud.

Refresh rate:	50Hz for 96 channels and 20Hz for 192 channels.
Packet:	96 or 192 dimmers with CRC. Error checking.
Antenna:	0-90 degree swivel, 360 degree rotation.
Power:	9 Volts DC at 300mA. (supplied with Units)



Service Information

Replacement

Parts: Replacement parts are available from Electronics Diversified, Inc. To obtain replacement parts, call (800) 547-2690 or (503) 645-5533 and ask for Customer Service.

A customer service representative will determine the parts you need, depending upon your requirements.

Repair: If your *Wireless-DMX* units need repair, call 503-645-5533 for a **Return Materials Authorization** number and a shipping address will be furnished.

Support: EDI offers a 24 hour Service/Support Network. For Technical questions about this product or operational assistance, ask for Customer Service at: 1-800-547-2690 or 1-503-645-5533

You may communicate by FAX:
..... 1-503-629-9877

Internet: www.edionline.com

E-mail:
(non-emergency only)
.service@edionline.com



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Attention Wireless DMX owners!

Please return this registration card immediately.

Your prompt attention to this matter will ensure your receiving updated technical information for this product as it becomes available. Please complete all information. Look for acknowledgment of your registration within 6-8 weeks.

Name: _____

Title: _____

Facility and/or Company: _____

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Fax: _____

E-mail: _____

Web site: _____

CUT ALONG DOTTED LINE



**Mail to:
EDI User Manual Registration
1675 NW Cornelius Pass Road
Hillsboro, Oregon 97124**

or FAX to: (503) 629-9877

