

DMX SCENE CONTROLLER RECEIVER AND REPEATER

ERDMX

Overview

The ERDMX controls DMX-512 compatible dimmers and other DMX compatible devices. The ERDMX allows the Echoflex family of wireless, self powered switches to control industry standard DMX-512 devices. A wireless, powerless way to add new DMX controls to theatrical and architectural lighting control systems.

Additional controls can be added quickly and efficiently without the need for expensive DMX cables. In the event there is an existing DMX network, inexpensive DMX mergers are available to simplify the addition of the ERDMX system.

The ERDMX-512 interface is a low voltage (12-24VDC) device and will accept inputs from up to 20 wireless self powered switches to switch on or off, dim up or down or to select pre-programmed lighting scenes. The ERDMX has a DMX "snapshot" mode, where current DMX scenes can be recorded using any industry standard DMX controller. Up to 8 scene snapshots can be recorded. These scenes can then be recalled and modified by PTM up/down master switches.

The DMX scene controller can be attached directly to fixtures or mounted to an electrical junction box.



Features

- Works with Echoflex wireless switches to activate DMX-based scenes
- Wireless triggered DMX output, available at frequency of 902 MHz
- Supports 8 scene snapshots of 48 channels each
- DMX input for snapshot capture of lighting scenes
- Easy installation on electrical junction boxes with 1/2 " mounting nipple
- 9-24 VDC power input
- Software-free configuration
- Meets USITT DMX-512A specifications

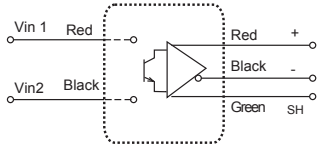
Ordering Information

Model	Description	Part # - 902 MHz
ERDMX-EU-LV	DMX Scene Controller Receiver and Repeater	001-8278

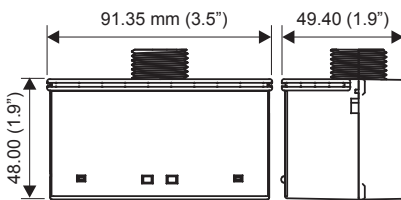


ERDMX

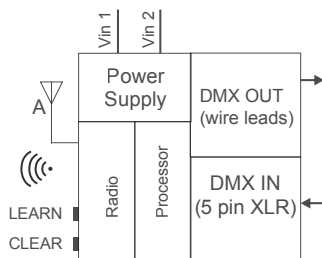
Wiring Diagram



Dimensional Diagram



Block Diagram



Equipment Profiles - remote device supported

EEP: F6-02-02

Light and Blinds Control - US/Canada application

Hardware Specifications

Power Supply	12-24VDC
Power Consumption	200 mA max
Communications	
Radio Frequency	902 MHz (U), 868 MHz (Y)
Antenna	Whip
Transmission Range	24 m (80 ft) commercial office space (typical)
Function Outputs	Bare wire leads for DMX output to devices up to 48 channels
Function Input	USITT DMX-512 1990 and DMX-512-A compatible up to 8 scene snapshots
Control Inputs	LEARN and CLEAR buttons for switch assignment
Control Outputs	CLEAR/LEARN LED and Status LED Status (blinks when active) Learn (steady when active)

Mechanical Specifications

Operating Temperature	-10 °C to 45 °C (14 °F to 113 °F)
Relative Humidity	5% to 95% RH (non-condensing)
Weight	397 g (14.0 oz)
Dimensions	91 x 48 x 49 mm (3.6 x 1.9 x 1.9")
Mounting	½" nipple

Agency Listing & Compliance

Radio Frequency	FCC Part 15.231 -Remote Control Transmitter
IC	RSS-210



Echoflex Solutions, Inc.

#1, 38924 Queens Way | Squamish | BC | Canada | V8B 0K8

Toll Free: 888-324-6359 | Phone: (778) 733-0111 | Fax: (604) 815-0078

email: info@echoflexsolutions.com | www.echoflexsolutions.com

Specifications are subject to change without notification.
Smart Click and Simple Tap are trademarks of Echoflex Solutions, Inc.
Range Confirmation Technology - Patent pending
Document 8DC-0430 | Revision 1.2

