

Weatherproof Wireless DMX/DALI

The WCRMX Outdoor Slim offers the same great circuitry as standard WCRMX units housed within a neat IP65-rated all-weather protective casing. The WCRMX Outdoor Slim receiver can link with standard WCRMX transmitters in the usual manner.

The WCRMX Outdoor Slim supports the USITT DMX512 and DMX512-A standards, as well as DMX to DALI conversion in the receivers.

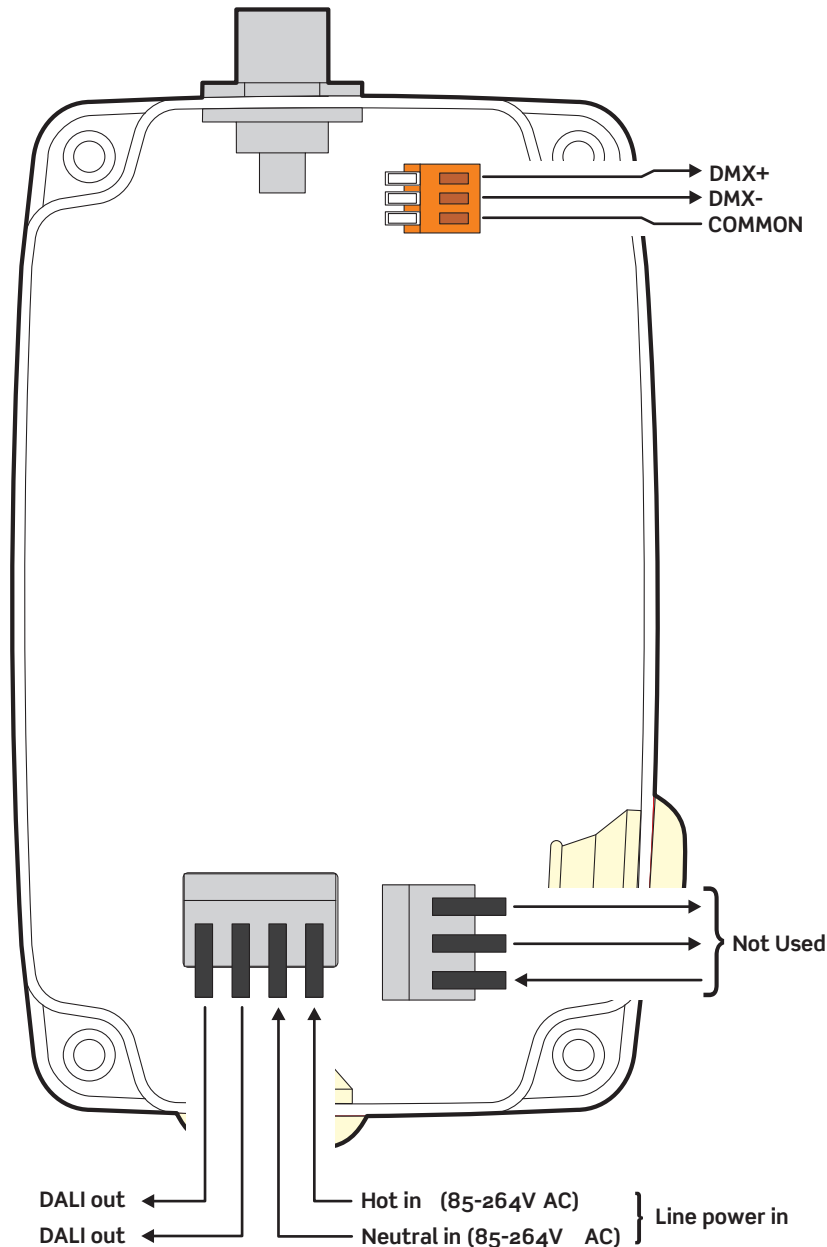
IP65
Effective weatherproof casing.

Clear indications
Check the current status at a glance.

Link button
Easy one-button operation.
See page 3 for details.

Connections

DMX connects to the screwless pluggable terminal on the side of the enclosure at the top cable entry through the nipple/bushing. Line power and DALI connects to the screwless pluggable terminal at the bottom cable entry of the enclosure through the nipple/bushing. The side bottom cable entry is not used.



85-264VAC power input/output
Warning! To avoid death, injury or property damage, Disconnect line power before connecting, disconnecting, or whenever opening the enclosure.

DMX cable specifications

Min outer diameter: 0.3" (8mm)
Max outer diameter: 0.5" (13mm)
Conductor size: 28-20 AWG (0.08-0.5mm²)
Insulation strip length: 0.2-0.25" (5-6mm)

Line/DALI cable specifications

Min outer diameter: 0.3" (8mm)
Max outer diameter: 0.5" (13mm)
Conductor size: 28-16 AWG (0.08-1mm²)
Min insulation strip length: 0.2" (4mm)

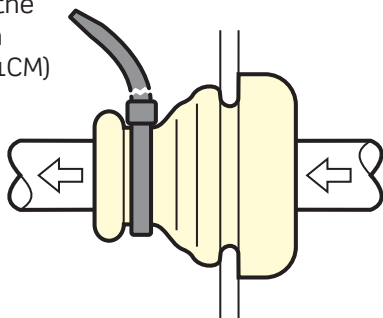
NOTE: The Line Power/DALI terminal block can be detached to facilitate easier cable termination.

*Shown with back cover removed.

Correct use of the cable bushings

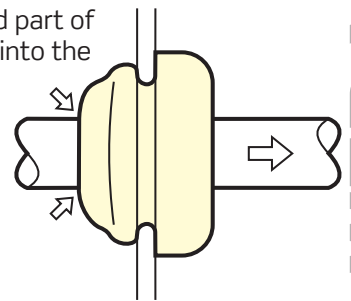
The supplied cable bushings will, when installed correctly, provide IP65 rated protection.

1 Insert the appropriately sized cable into the bushing. Feed an additional 3/8" (1CM) of cable into the box.



2 Place a cable tie around the bushing as indicated on the drawing. Tighten the cable tie and cut off the excess material.



3 Pull the cable 3/8" (1cm) out of the enclosure so that the cable tied part of the bushing folds into the main part of the bushing as indicated on the drawing.





Operation

WCRMX Outdoor Slim uses the same great circuitry as standard WCRMX units and can link with any standard WCRMX units:

To link transmitter and receiver(s)

- 1 Ensure the antenna is connected.
- 2 Power on the transmitter and receiver(s).
- 3 Ensure that the **RF LINK** indicator on the receiver(s) is/are off.
- 4 If necessary press and hold the  button on the receiver(s) to break any previous link(s).
- 5 Press and release the  button on the transmitter.
- 6 The transmitter will search for any unlinked receivers and its **RF LINK** indicator will flash for ten seconds.
- 7 The **RF LINK** indicator will change to a steady on-state on successfully linked receivers

To unlink

- **Unlink one receiver:** Press and hold the  button on the receiver for more than 3 seconds to unlink it from a transmitter.
- **Unlink all receivers:** Press and hold the  button on the transmitter for more than 3 seconds to unlink all of its receivers.

Control panel

RF Link on Transmitter

On = Normal operation.
Fast flashing (~3Hz) = In linking process.
Slow flashing (~1Hz) = In un-linking process.

RF Link on Receiver

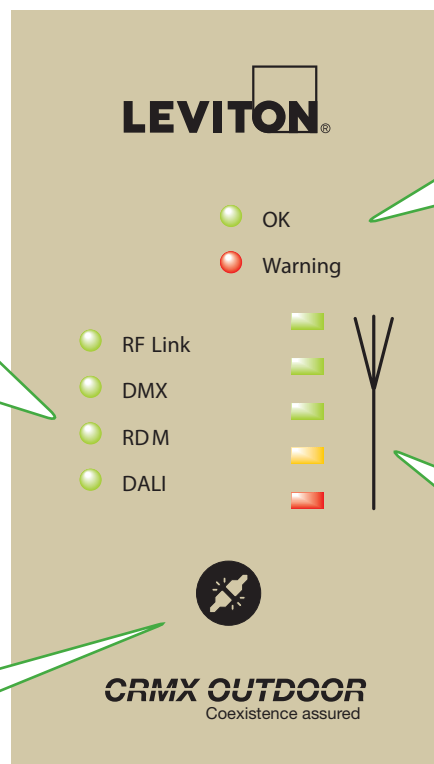
On = Linked and receiving RF signal.
Off = Unlinked.
Fast flashing (~3Hz) = In linking process or linked, but with lost RF signal.

DMX - On when a DMX signal is present.

RDM - Not supported with Leviton product.

DALI - Flashes to indicate DALI activity.

LINK button - See operation above.



OK - On when operational status is good.
Warning - On when a condition occurs which might need attention, e.g. a lost radio link.

Signal quality indicators
The amber indicator turns on at roughly 20% of maximum signal quality and the top green indicator turns on at roughly 90%. The red indicator turns on only if a problem occurs with the link to the transmitter.

DALI Converter


The integrated DMX to DALI converter in the SLIM receiver will output the levels from DMX slots 1 through 64 simultaneously as arc levels on the DALI interface using short-addresses 0 through 63. The DALI interface can drive maximum 10 DALI ballasts at 2mA each. Connection to a DALI loop with more devices require an external DALI power supply.

Specifications

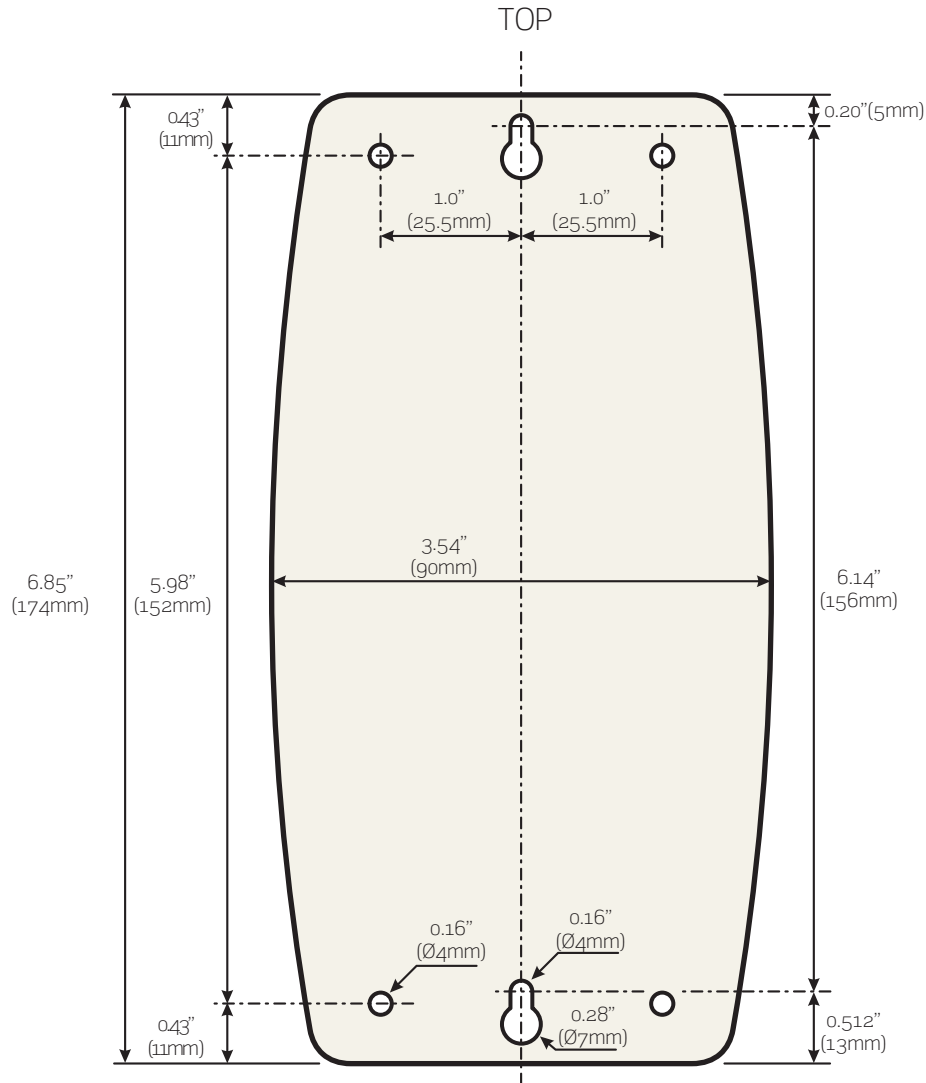
Power input:	85-264VAC 47-70Hz
Maximum consumption:	3W
Operation temperature range:	-4°F to 122°F (-20°C to +50°C)
Environmental:	IP65 (protected from water jets)

NOT SUITABLE FOR PERMANENT INSTALLATION

EU Declaration of Conformity

Marking by the  symbol indicates compliance with the Essential Requirements of the R&TTE Directive of the European Union (1999/5/EC). This equipment meets the following conformance standards: EN 301 489-1; 301 489-17; EN 300-328-1; EN 300-328-2; EN 609 50

Mounting Dimensions



FCC statement

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications made to the product, unless expressly approved by Leviton, could void the user's right to operate the equipment.

FCC ID: XRSCRMXNOVA101

LIMITED 5 YEAR WARRANTY AND EXCLUSIONS

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Leviton's only obligation is to correct such defects by repair or replacement, at its option, if within such five year period the product is returned prepaid, with proof of purchase date, and a description of the problem to **Leviton Manufacturing Co., Inc., Att: Quality Assurance Department, 201 North Service Road, Melville, N.Y. 11747, U.S.A.** This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. **There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. Leviton is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.** The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.