



Weatherproof Wireless DMX/RDM/DALI

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

The CRMX Outdoor Slim receiver supports the DMX-512A, RDM, DALI and DSI standards.

IP65

Effective weatherproof casing.

Clear indications

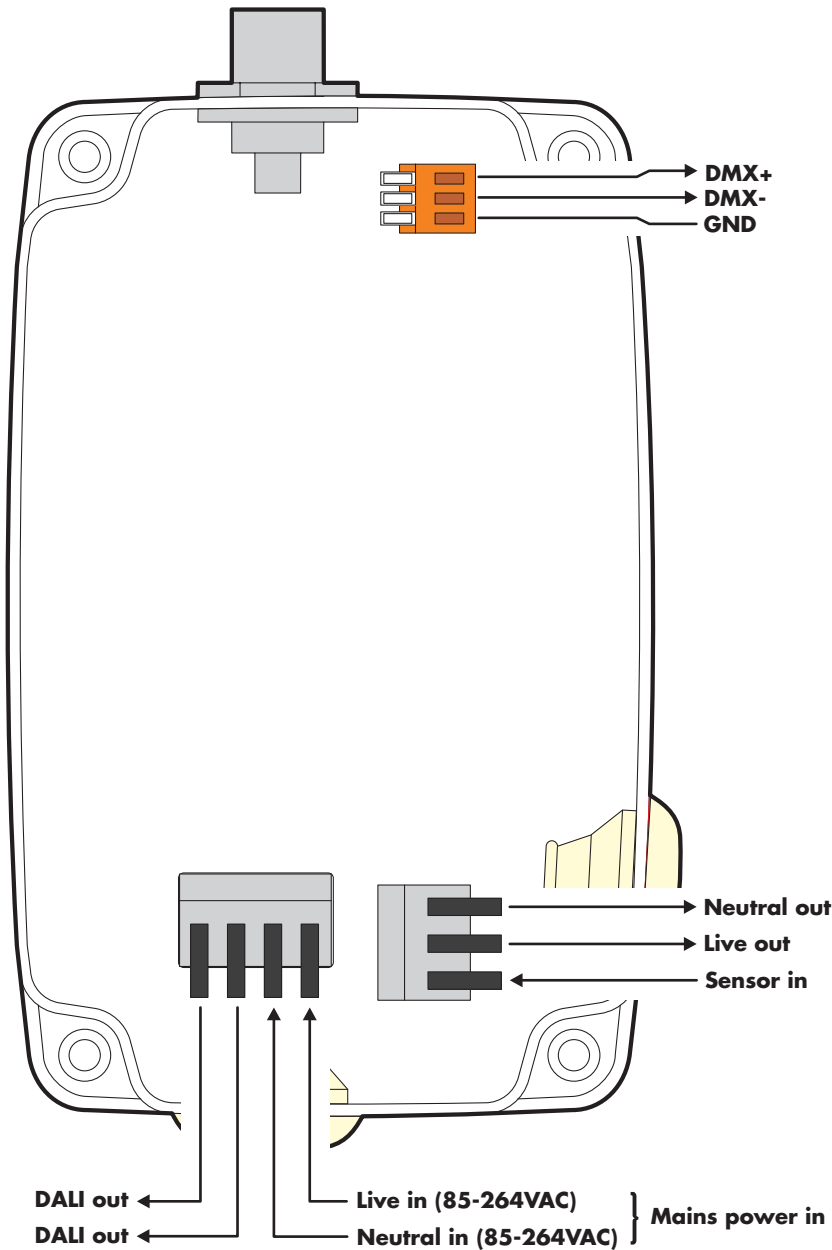
Check the current status at a glance.

Link button

Easy control over the link with a transmitter. See **Operation** on page 3 for details.

Connections

All connections are made via the two cable glands.



85-264VAC power input/output

Warning: Ensure that the supply is isolated before connecting, disconnecting or whenever opening the casing.

Outer cable specifications

Max diameter = 5 - 7mm for gland on long side

Max diameter = 7 - 10mm for base gland

Terminal block connections

Max wire size = 1,5mm² (16 AWG)

Min wire size = 0,08mm² (28 AWG)

Min insulation strip length = 4 mm

Live output load: 100mA maximum

Sensor input: 85-264VAC

The sensor is represented within SuperNova as an RDM sensor.

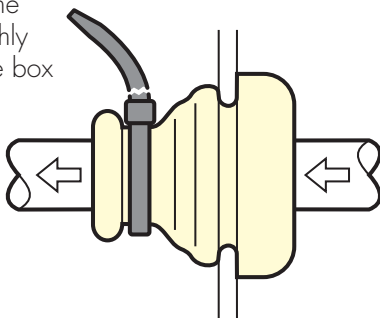
TIPS: The two grey connector blocks can be detached from the circuit board to assist with connections.

A loose two-way connector block is also included to terminate the mains ground input or to provide a ground link through to the sensor power connection (if used).

Correct use of the cable glands

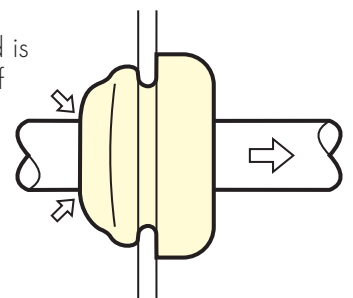
When used correctly, the glands offer full environmental protection up to IP65.

1 Insert the correctly sized cable into the gland. Insert roughly 1cm more into the box than is required.



2 Wrap a ziptie around the inner lip of the gland and tighten. Cut off the excess length of the ziptie.


3 Pull back the cable roughly 1cm and ensure that the inner aperture of the gland is pulled back into itself to form the weather seal.




Operation

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

To link this unit

- 1 Ensure the antenna is connected.
- 2 Power on this receiver and also the transmitter. Ensure that the **RF LINK** indicator on this receiver is off (if necessary, press and hold the  button to break a previous link).
- 3 On the transmitter, press and release its **LINK** button. The transmitter will search (for a period of ten seconds) for any unlinked receivers. Its **RF LINK** indicator will flash. At the end of the search period, this receiver will be linked to the transmitter - its **RF LINK** indicator will be on.

To unlink

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

Control panel

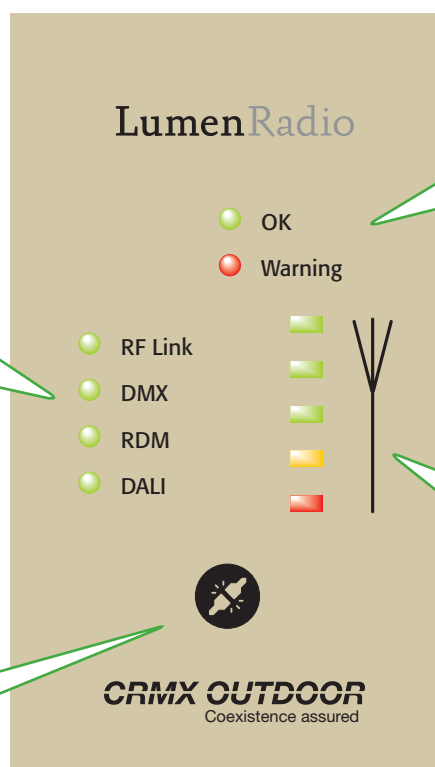
RF Link - Indicator on when this unit is linked. Flashes fast (~3Hz) if the link is lost or when linking.

DMX - On when a DMX signal is present.

RDM - Flashes to show RDM packet activity.

DALI - On when a DALI conversion is active. Flashes when DALI data is being sent.

LINK button - Press to unlink from a transmitter. 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.

Using SuperNova

The default DMX address for the DALI/DSI interface is channel 1. After a discovery in SuperNova the Outdoor Slim receiver will appear as two units, the actual Outdoor Slim wireless module as well as the DALI/DSI interface. The start address of the DALI/DSI interface can be set in SuperNova. Please visit www.lumenradio.com and download the **CRMX SuperNova™ user manual** for more detailed information about SuperNova.

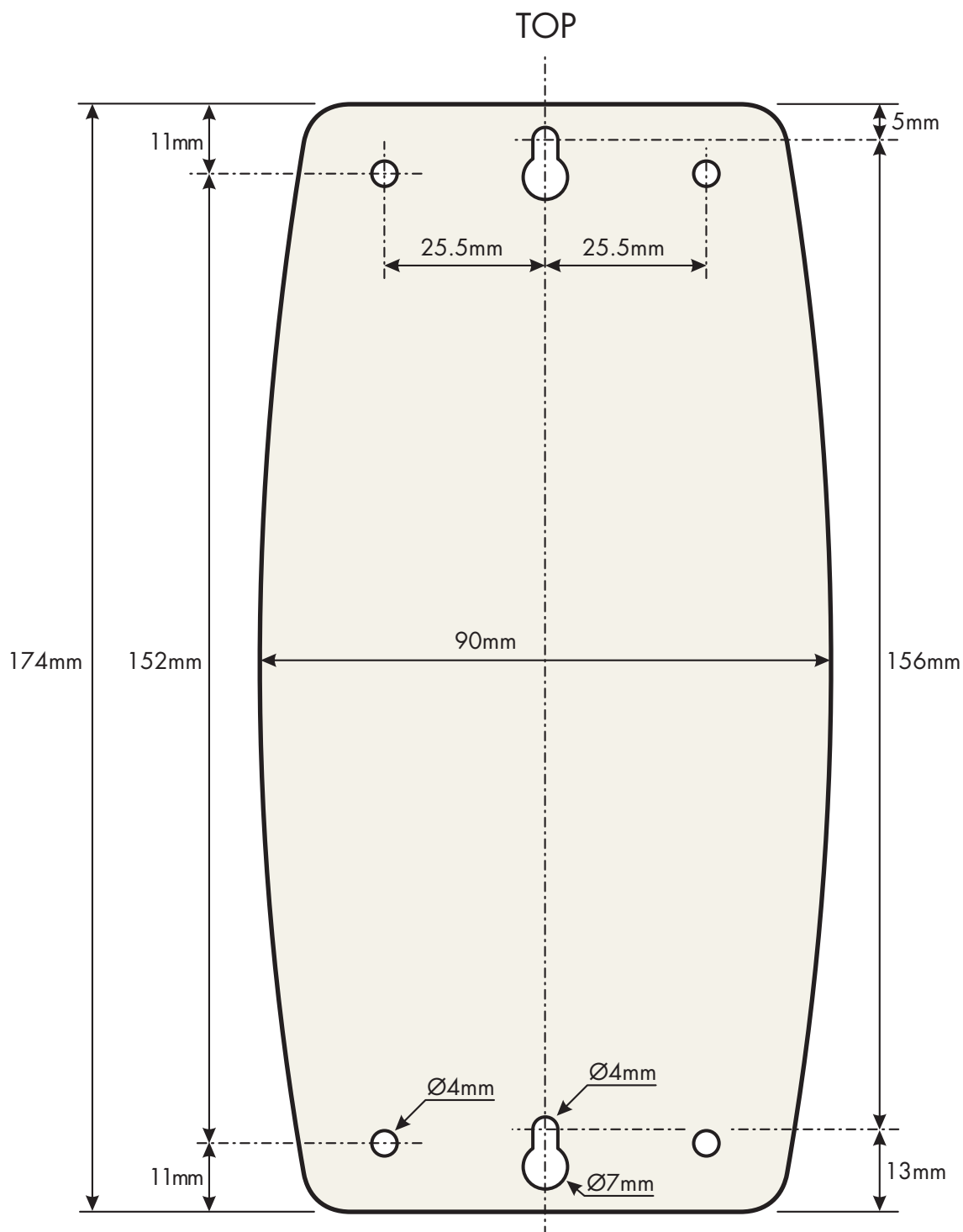
Specifications

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

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 template (1:1)



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 to radio communications. However, there is no guarantee that interference will not occur in a 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.

FCC ID: XRSCRMXNOVA101