

# Tender Specifications



## CRMXBOXIP67

IP67 1 Universe CRMX Wireless Transceiver for  
exterior installation

## 1. General

1. The device shall be a versatile, single universe Wireless CRMX Transceiver.
2. The device shall be CE compliant.
3. The device shall comply with the USITT DMX-512 A.
4. The device shall offer compatibility with both Lumen Radio CRMX and Wireless DMX G protocols.
5. The device shall offer RDM compatibility for remote monitoring and settings.
6. The device shall 6W max power consumption.
7. The device shall offer side holes for fixing to surfaces.
8. The device shall offer robust construction, featuring an IP67-rated enclosure and a vandal-resistant mounting cover, ensures durability against outdoor elements.
9. The device shall not infringe any Intellectual Property unless licenced by the owner.

## 2. Physical

1. The device shall be constructed from sturdy IP67 aluminium body.
2. The device shall offer side holes for fixing to surfaces.
3. The device shall feature integral power and electronics.
4. The device shall weigh no more than 1,65kg / 3.64lbs.
5. The device, without accessories, shall not be larger than (WxHxD) 238x120x84mm / 9.37"x4.72"x3.31".

## 3. Electrical

1. The device shall feature an internal auto sensing power supply with an input range from 100 V to 240 V AC 50/60 Hz.
2. The device shall feature a nominal power consumption of 6 W.
3. The device shall feature a moulded IP signal IN (OUT) connector.
4. The device shall feature a moulded IP power IN connector.
5. The device shall be compatible with the USITT DMX-512A RDM protocol.
6. The luminaire shall feature an on board LCD graphic display.

7. The device shall support firmware upgrades via a dedicated UP-LOADER device using a 5 pin XLR connector.
8. The device shall meet all requirements of the LVD (Low Voltage Directive) 2014/35EC and with the EMC (Electromagnetic Compatibility Directive) 2014/30/EU.

#### **4. Environmental**

1. The device shall feature IP 67 rating.
2. The device shall be capable of operating in ambient temperature range of -20°C (4°F) to +45°C (113°F).

#### **5. Control And User Interface**

1. The device shall offer RDM compatibility for remote monitoring and settings.
2. The device shall feature with DMX512, RDM, CRMX protocols.
3. The device shall be equipped with graphic LCD display for easy to read status reports and configurations changes.
4. The device shall be equipped with five buttons user interface.
5. The device shall feature with LumenRadio Timo Fx DMX/RDM compatible with both CRMX (Lumen Radio) and W-DMX (Wireless DMX).
6. The internal software shall include home screen shall visualize at least the following information:
  - a. Wdmx signal
  - b. user mode
  - c. selected protocol
  - d. lock screen
7. The device shall feature to upgrade the firmware via DMX interface (UPBOX2).

#### **6. Accessories**

The following accessories shall be included in fixture supplied:

1. IP power adapter (bare-end) compatible with AWEXAC1 series.
2. IP DMX female adapters (DMX IN) compatible with AWEX1DC series.

The following accessories shall be available as an optional:

1. IP67 90 degree adapter for CRMXBOXIP67 antenna.
2. Signal adapter kit.
3. IP67 power cable adapter, from AWEXAC1 to AWEXAC1.
4. IP DMX signal cable adapter, from AWEXDC1 to AWEXDC2.
5. AWEXDC1 IP67 DMX signal extension cable for outdoor architectural projectors.
6. AWEXDC2 IP67 DMX signal extension cable for outdoor architectural projectors.
7. AWEXAC1 IP67 DMX power extension cable for outdoor architectural projectors.
8. AWEXAC2 IP67 DMX power extension cable for outdoor architectural projectors.
9. Metal adapter with 3-pin male XLR connector <=> 5-pin male XLR connector.
10. 5 pole XLR male to 5 pole XLR male adapter.
11. Up-loader Tool (UPBOXPRO).

Approved device shall be the PROLIGHTS CRMXBOXIP67; no alternates or equals.