Tender Specifications

ÆtherBox

IP65 1 universe CRMX transceiver, DMX and Ethernet protocols, Wi-Fi, Bluetooth and battery ready

1. General

1. The device shall be a robust IP65-rated single universe CRMX Transceiver.
2. The device shall be CE, RCM compliant.
3. The device shall comply with the USITT DMX-512 A and ANSI RDM E 1.20, CRMX protocol standards.
4. The device shall offer compatibility with both CRMX, CRMX2 (Lumen Radio) and W-DMX (Wireless DMX) protocols.
5. The device shall offer Wi-Fi and Bluetooth connectivity options.
6. The device shall offer RDM compatibility for remote monitoring and settings.
7. The device shall 3W max power consumption.
8. The device shall offer rack-mount hardware adapter option for fixed installations.
9. The device shall not infringe any Intellectual Property unless licenced by the owner.

2. Physical

1. The luminaire shall be weatherproof (IP65) and constructed from durable die-cast aluminum, finished in black.
2. The device shall be equipped with a hole for a safety cable.
3. The device shall offer several mounting solutions, such as rack mounting, truss mounting with velcro strings, camlock for easy hanging via omega brackets, and M10 and ⅜ threads for additional anchoring options.
4. The device shall feature integral power and electronics.
5. The device shall weigh no more than 1,8kg / 3.97lbs.
6. The device, without accessories, shall not be larger than (WxHxD) 245x45x241mm / 9.65''x1.77''x9.49''.

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 3 W.

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3. The device shall feature a standby power consumption of 2,5 W.

4. The device shall feature a Seetronic® PowerCON TRUE IP65 IN connector.

5. The device shall feature a Seetronic XLR 5p IN/OUT connectors.

6. The device shall feature a Seetronic Ethernet IP IN connector.

7. The device shall feature an optional adapter for NP-F batteries.

8. The device shall be equipped with Weipu SA6(12-48V) low voltage DC inputs.

9. The device shall support firmware upgrades via a dedicated UP-LOADER device using a 5 pin XLR connector.

10. The luminaire shall meet all requirements of the LVD (Low Voltage Directive) 2014/35EC and with the EMC (Electromagnetic Compatibility Directive) 2014/30/EU, RoHS (Restriction of the use of certain hazardous substances) 2014/53/EU and with the RED (Radio Equipment Directive) 2014/53/EU.

4. <u>Environmental</u>

1. The device shall feature IP 65 rating for temporary outdoor application, not for fixed installations.

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

3. The luminaire shall be equipped with a passive and fanless cooling system

5. <u>Control And User Interface</u>

1. The device shall offer RDM compatibility for remote monitoring and settings.

2. The device shall feature with DMX512, RDM, ArtNet, sACN, CRMX + WDMX, Bluetooth protocols.

3. The device shall feature with 1 push encoder, 1 LINK/UNLINK button and status LEDs on-board.

4. The luminaire shall feature with a 3,5" display graphic user interface.

5. The device shall feature with LumenRadio TimoTwo DMX/RDM compatible with both CRMX, CRMX2 (Lumen Radio) and W-DMX (Wireless DMX), Bluetooth capable.

6. The device shall feature to upgrade the firmware via DMX interface (UPBOX2).

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6. Accessories

The following accessories shall be included in the fixture supplied:

1. 1 x 2dBi 90° angled antenna (N-male connector)
2. 1 x 1,5 meters 3G1,5mmq power cable (BARE END - SEETRONIC POWERCON TRUE1 IP65 power connector)

The following accessories shall be available as an optional:

1. Battery Holder.
2. Rack Adapter.
3. Quick-Lock omega bracket.
4. 2dBi Omni Antenna (RP-TNC male connector).
5. 2dBi 90° angled Omni Antenna (N-male connector).
6. RP-TNC Female to N Male Adapter.
7. IP67 90-degree adapter.
8. 5dBi Omni Antenna (N-male connector).
9. Antenna extension cable, available in different lengths: 1 meter, 3 meters, 5 meters, 10 meters, 15 meters.
10. Up-loader Tool (UPBOXPRO).

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

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