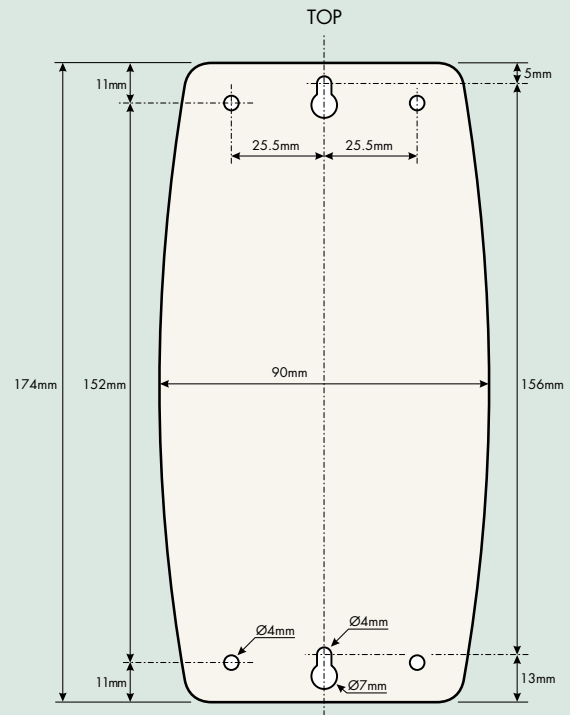
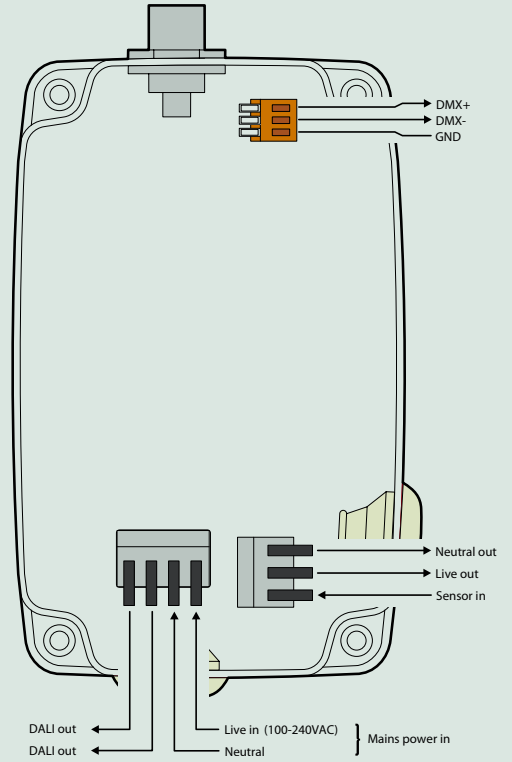


CRMX Slim specifications

www.lumenradio.com/slim

| | CRMX Slim TX | CRMX Slim RX RDM |
|---|---|---|
| Model code (Order code) | OS-DTX1 (800-5101) | OS-RRX1 (800-5001) |
| Supported protocols | | |
| USITT DMX-512 (1986 & 1990) and DMX512-A | Yes | Yes |
| RDM ANSI E1.20 | No | Yes |
| Firmware upgrade | TIA/EIA-485 | TIA/EIA-485 |
| DALI (converted from DMX) | No | Yes, broadcast/16 groups/ 64 short addresses |
| Works with CRMX SuperNova RDM controller | No | Yes |
| DMX interface | | |
| Number of universes supported | 1 | 1 |
| Full DMX fidelity and frame integrity | Yes | Yes |
| Error correction and packet recovery | Yes | Yes |
| Frame synchronization | Less than 0.01 ms | Less than 0.01 ms |
| End-to-end DMX latency | Less than 5 ms | Less than 5 ms |
| Auto sensing of DMX frame rate and frame size | Yes | Yes |
| Supported DMX frame rates | 0,8 – 7352 Hz | 1 – 830 Hz ¹ |
| Number of DMX channels supported | 0 – 512 | 0 – 512 |
| Loss of DMX input behavior | Timeout after 1.25 s | DMX driver output will go into high impedance state |
| W-DMX™ G2/G3/G4 Compatibility ² | No | Yes |
| Power | | |
| High voltage input | 100-240VAC / 47-70Hz / 0.12A / 10W | 100-240VAC / 47-70Hz / 0.12A / 10W |
| Transient protected power input | Yes | Yes |
| RF characteristics | | |
| Modes of operation | Transmitter | Receiver |
| Automated Cognitive Coexistence | Yes | Yes |
| Dynamic adaptive frequency hopping | Yes | Yes |
| Recoverable Radio Packet Error Rate | 30% | 30% |
| Operational frequency range | 2402-2480 MHz | 2402-2480 MHz |
| RF output in high power mode | 300 mW (25 dBm) ³ | 300 mW (25 dBm) ³ |
| RF output in normal power mode | 100 mW (20 dBm) | 100 mW (20 dBm) |
| RF output in low power mode | 35 mW (15dBm) or 10 mW (10 dBm) | 35 mW (15 dBm) or 10 mW (10 dBm) |
| RF modulation | GFSK | GFSK |
| Sensitivity at 0.1% Packet Error Rate | -96 dBm | -96 dBm |
| Tested link range (High power mode using standard antennas in free line-of-sight) | Up to 1000 m | Up to 1000 m |
| Recovery time upon loss of radio link | N/A | Less than 1 s |
| Approvals | | |
| FCC: 15.247&68 Class B; Canada ICES 003 CE: EN 301 489-1; EN 301 489-3; EN 300 328; SS-EN 61547:2009; EN 60 950; SRRC - China; ARIB STD-T66 - Japan | Yes | Yes |
| Environment | | |
| Operating temperature range (ambient) | -20° C to +50° C -4° F to 122° F | -20° C to +50° C -4° F to 122° F |
| Humidity | Water jets protected | Water jets protected |
| Physical | | |
| Enclosure | IP65 PC Plastic | IP65 PC Plastic |
| Dimensions (W x H x D) excluding antenna | 90 x 174 x 40 mm 3.5" x 6.8" x 1.6" | 90 x 174 x 40 mm 3.5" x 6.8" x 1.6" |
| Weight | 0.25 kg, 0.5 lbs | 0.25 kg, 0.5 lbs |
| Connectors | | |
| Antenna connector | N female | N female |
| DMX connector | Screwless terminal 0.08-0.5 mm ² / 20-28AWG | Screwless terminal 0.08-0.5 mm ² / 20-28AWG |
| DALI connector | Screwless pluggable terminal 0.5-1.3 mm ² / 16-28AWG | Screwless pluggable terminal 0.5-1.3 mm ² / 16-28AWG |
| AC input | Screwless pluggable terminal 0.5-1.3 mm ² / 16-28AWG | Screwless pluggable terminal 0.5-1.3 mm ² / 16-28AWG |
| Supplied accessories | 2 dBi N antenna | 2 dBi N antenna |



¹ Limited by the DMX512-A standard
³ Allowed in North America only

² Compatible with W-DMX™ transmitters on the 2.4 GHz band