





O-Lynx radios feature ....

- No setup of the radios required, simply charge and deploy.
- Instant-on, self-healing mesh network operating system in which all radios also act as repeaters.
- Range from 100m to 1km line of sight ( dependent on terrain type - standard 9dBi antenna )
- Lightweight rechargeable lithium-polymer batteries – replacing batteries for each event is not required.
- Weatherproof enclosure and connectors.
- Secure but quick and easy mounting design.

Technical Specifications	Master Radio OLM-01	Control Radio OLC-01	Control Radio OLC-02	Control Radio OLC-03
<b>Description</b>	Master Radio	Standard Control Radio	Extended Battery Life Control Radio	SI SRR Interface Control Radio
				
<b>Interface</b>	5m USB 1.1 cable supplied ( Appears as a USB Serial port at 38400 baud ). USB Cable also charges the radio during use.	RS232 x 1 4800 baud. Basic and extended Punch commands supported.	RS232 x 1 4800 baud. Basic and extended Punch commands supported.	Sportident Short Range Radio only – no RS232 connection. 38400 baud, Extended Protocol.
<b>Wireless Frequency</b>	2.425 GHz ( corresponds with Channel 4 of WIFI Networks )			
<b>Radio Power</b>	Transmit 18dBm or 15dBm ( Europe ) Receiver Sensitivity -102dBm or -103dBm ( Europe )			Transmit 15dBm Rx Sensitivity -103dBm
<b>Antenna</b>	RPSMA 9dBi, length 390mm			
<b>O-Lynx OS</b>	Handshaking used for punch data to check messages received by master. 3 punch buffer memory within radio. Link Quality, battery level and connected Stations information can be checked remotely.			
<b>LED Indicators</b>	Red – Power, Green – Transmit, Yellow x 3 – Receive Strength, Blue – Charging. Battery level shown when turned on. Buzzer also provides audible feedback at power on.			
<b>Charging inputs</b>	5V USB Compatible charging.			
<b>Battery Life</b>	>12 hours		>36 hours	>12 hours
<b>Weight ( incl. standard antenna )</b>	236 grams	232 grams	326 grams	256 grams
<b>Dimensions</b>	105Hx75Wx40D		105Hx75Wx55D	105Hx75Wx40D
<b>Power</b>	Rechargeable 2000mAH Li-Poly battery		Rechargeable 6000mAH Li-Poly battery	Rechargeable 2000mAH Li-Poly battery
<b>Environmental</b>	IP65 Sealed ABS Enclosure with IP67 rated connector and switch. Note: Antenna must be connected to the radio in order to maintain a watertight seal.			
<b>Warranty</b>	3 month warranty for batteries and antennas, 1 Year warranty on all other parts.			
<b>Standards</b>	Conformance to ROHS ( Lead free ) must be specifically requested when ordering. FCC and IC approved radio modules.			

Note: Specifications subject to change without notice. Trademarks are the property of their respective owners. This document is a work-in-progress and should be used as a guide only. For a better understanding of the range of the radios at actual events, see the articles available at [www.o-lynx.com](http://www.o-lynx.com)