




O-Lynx radios feature ....

- No setup of the radios required, simply charge and deploy.
- Instant-on, self-healing mesh network 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, switches and connectors.
- Secure but quick and easy mounting design.

Technical Specifications	Master Radio OLM-01	Control Radio OLC-04D	Control Radio OLC-04
<b>Description</b>	Master Radio	Control Radio with 2 x Serial Ports, 1 x SRR Port	Control Radio with 2 x SRR Ports, 1 x Serial Port
			
<b>Interface</b>	5m USB 1.1 cable supplied Appears as a USB Serial port at 57600 baud. USB Cable also charges the radio during use.	Supports fitting 1 x Sportident Short Range Radio dongle ( dongle sold separately *** ). Double RS232, 4800 baud connections for connection of 2 serial stations.	Supports fitting 2 x Sportident Short Range Radio dongles to cover both Red and Blue channels as recommended by Sportident. ( dongles sold separately *** ) Single RS232, 4800 baud connection for connection of serial stations.
<b>Wireless Frequency</b>	2.425 GHz ( corresponds with Channel 4 of WIFI Networks )		
<b>Radio Power</b>	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 are received by master. 3 punch buffer memory within radio. Link Quality, battery level and RS232 connected station information can be checked remotely.		
<b>LED Indicators</b>	Red – Power, Green – Transmit, Yellow x 4 – 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		
<b>Weight</b>	236 grams( incl. standard antenna )		
<b>Dimensions</b>	105Hx75Wx40D		
<b>Power</b>	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)  
 \*\*\* Sportident SRR dongles must be fitted at the time of radio manufacture.