

## LR-6<sup>XL</sup> Reader

### Long-Range RFID Microwave Reader



The LR-6<sup>XL</sup> “all-in-one” 2.45 GHz RFID Reader, with an integrated antenna and controller, is prepared for outdoor use in all weather conditions. It is ideal for applications in demanding environments requiring a more cost-effective Reader and Tag solution where an extended read range is necessary.

The standard Linux operating system enables in-house customization to specific project needs and the built-in controller allows for product integrations, including cameras, barriers, and inductive loop detectors.

#### Long Range Identification

A long range 2.45GHz RFID Tag will be identified up to 33 feet\* using the LR-6<sup>XL</sup> Reader. The Microwave Tags are battery powered, keeping the Tag alert for an instantaneous response to the Reader signal.

#### LED & Buzzer Indication Control

The built-in high intensity red and green LED’s provide the user visual feedback that the Tag has been read by providing a status indication. The LED and buzzer indicators provide a better definition of the read lobe enabling quick and easy installation and configuration.

#### KEY FEATURES:

- Consistent read-range up to 33 ft\*
- License-free worldwide
- IP66 rating – no additional weather housing required
- Isolated I/O ports
- LED and buzzer indicators
- Product integration
- Frequency hopping (FHSS\*\*)

#### Easy Integration

All of TagMaster’s systems support an extensive variety of industry standard interfaces. The LR-6<sup>XL</sup> supports protocols such as Serial connections RS232 and RS485, as well as 26-bit Wiegand interface and Ethernet (TCP/IP). Frequency hopping (FHSS\*\*) enables the Reader to hop between frequencies within a specific band, ensuring smooth operation in RF-intensive areas.

#### Applications

The LR-6<sup>XL</sup> Reader is designed for long-range applications such as:

- Airport parking & Ground Transportation Management Systems (GTMS)
- University and hospital parking
- Commercial and corporate parking areas
- Commercial Vehicle Management Systems (CVM)

#### Part No. Information

LR-6 <sup>XL</sup>	154900
Ceiling Mounting Kit	S1902
Universal Mounting Kit	S1936
Cable	S1915

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## SPECIFICATIONS

Technical Information	LR-6 <sup>XL</sup>
<b>Part No. 154900</b>	
Read range	Up to 33 ft*
Operating Frequency	2.435 to 2.465 GHz, (FHSS** 2.400 to 2.484 GHz)
Operating Temperature	-40°F (-40°C) to +158°F (+70°C)
Dimensions	11.4 x 5.2 x 2.2 in
Weight	2.2 lbs.
Housing	The housing is made from UL94 certified XENOY™ plastic, known for its strength and durability
Protection	IP66 – no additional weather housing required
Power Supply	24 VDC
Power Consumption	5W (max: 15W)
Power output	75 mW e.i.r.p
Cable	RS232, RS485, 26-bit Wiegand interfaces, and Power in one; 25 ft, Cat5e 350 MHz, Nylon Rip Cord, Product No. S1915
Cable Conductor	18/2 AWG for Power 22/2 AWG + GND for Interfaces
Range Detection	LED and Buzzer indicators
Optional Mounting Accessories	S1902 Ceiling Mounting Kit S1936 Universal Mounting Kit
Interfaces	RS232, RS485, Ethernet (TCP/IP), 26-bit Wiegand/Magstripe
Memory: Flash / RAM	16 MB / 32 MB
Certificates & Standards	CE Certificate according to R&TTE Directive 1999/5/EC, FCC: M39LRXX

\*Depends on Reader mount and ID-tag

\*\* Permissible subject to local regulations

*\*The information in this document may be subject to change without prior notice.\**