

SLR810

Hardware User Guide



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Revisions

Revision	Date	Description
01	Jul 21,2020	Initial Release

Contents

Chapter 1 : Introduction.....	3
Introduce.....	3
SLR810 Reader standard package.....	3
Chapter 2 : About SLR810.....	5
Specification.....	5
LED Indication.....	6
Scan Key and Antenna.....	6
Chapter 3 : How to use SLR810.....	7
Before Installing.....	7
Start to use SLR810.....	7
Chapter 4 : Good to Read.....	8
Chapter 5 : Troubleshooting.....	9
Contact Us.....	10
Regulations/Warranty.....	11

Chapter 1 : Introduction

Introduce

The SLR810 include Antenna. It is all in one Ultra High Frequency RFID Reader compliant to ISO18000-6C EPC Gen 2 protocol with an operating range of 860 to 960 MHz. With UHF Tag which maximum read range can up to 0.3 meters. SLR810 include USB HID connect to PC or Controller. It is suitable for retail operations management , factory material production management and other applications.

Before using the SLR810 Reader. We recommend that you should already read this user guide.

SLR810 Reader standard package

No.	ITEM	QUANTITY
1	SLR810 Reader	1
2	FTP LINK for Disk No.5472	1
3	USB cable	1



View



Please download software or user guide from following link. Also can scan QR code
<http://ftp.gigatms.com.tw/disks/disk5472>

Chapter 2 : About SLR810

Specification

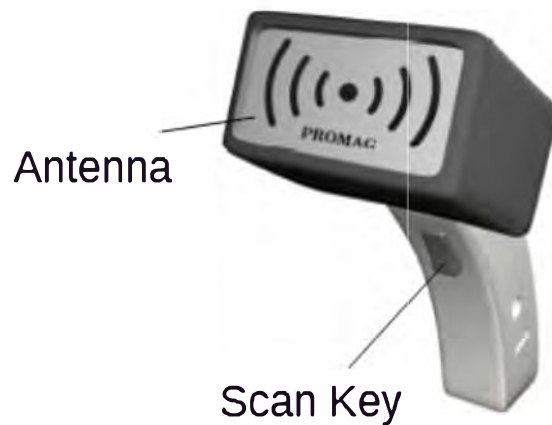
	SLR810 series		
	USA (902.75-927.25Mhz)	EUROPE (865.7-867.5Mhz)	TAIWAN (920-928Mhz)
Model	SLR810H-00	SLR810H-30	SLR810H-40
Standard			
RFID spec	ISO 18000-6C, EPC Class1 Gen2		
Interface	Interface Wire – USB HID		
Power Require	Working : Max 500mA@5VDC		
Dimension	L: 70mm / W: 40mm / H: 175mm		
Physical Characteristics			
Weight	200g		
Environment parameter			
Temperature	Operating : -10°C ~ +60°C		
	Storage : -15°C ~ +65°C		
Humidity	Operating : +0% ~ +90% (no coagulation)		
	Storage : MAX 90% (no coagulation)		
Regulatory approvals			
Authentication	CE R&TTE	FCC ID	NCC
	EN301489-1-3	Part 15B	LP0002
	EN55032/EN55024	Part 15C	
	EN300328_868MHz		
	EN62368-1		
	EN62311		
ESD Contact : 4kv , Air : 8kv			

LED Indication

	LED Orange	LED Green	Buzzer	Vibration
Power just turned on	Blink once		Ring once	Vibration once
Standby		●		
Read Success		Blink once	Ring once	Vibration once

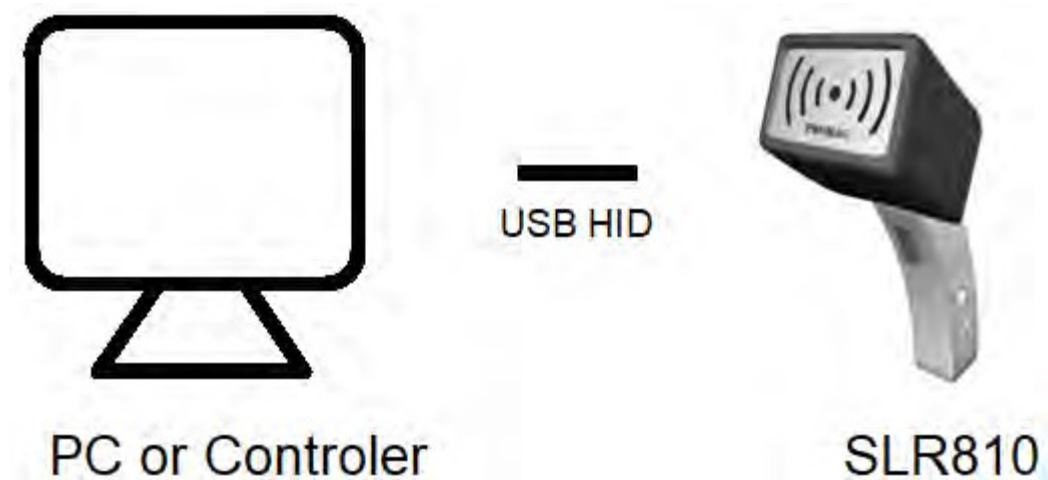


Scan Key and Antenna



Chapter 3 : How to use SLR810

Before Installing



Before Install SLR810. Please make sure the following items are ready.

A SLR810

A PC or Controller. PC need already installed SLR810 software (DISK5472)

Start to use SLR810

- The SLR810 use USB HID to connect the PC or Controller.
- PC open SLR810 software to set up the SLR810.
- Please refer to **SLR810 Software User Guide**. There are instructions about how to read EPC
- SLR810 also support auto keyboard output which can use Notepad from Microsoft Windows

Chapter 4 : Good to Read

The antenna of the SLR810 is horizontally polarized. UHF Tag is consistent with antenna direction which can get better reading distance.

Horizontal Orientation



UHF Card



UHF Tag

Vertical Orientation



UHF Card



UHF Tag

Chapter 5 : Troubleshooting

1. Cannot connect to SLR810 with SLR810 software?

- Please check that the SLR810 is actually connected to USB.
- Please check the power light (Green light) of SLR810 is lighting

Contact Us

Address:

PROMAG Europe
Unit 25-26, Shrivenham Hundred Bus. Pk.
Swindon, Wiltshire, SN6 8TZ, UK

Tel:

+44 (0)1793 786075

Websites:

www.promageurope.com

Email:

Sales inquiry email - sales@promageurope.com

After sales service - info@promageurope.com



Has been tested in accordance to essential protection requirements of the RED – DIRECTIVE 2014/53/EU, EU-LOW VOLTAGE DIRECTIVE 2014/35/EU on the approximation of the laws of the Member States relating to Radio Spectrum Matters and found the test results indeed meet the limitation of the relevant test standard(s) listed below:

EMC	RF	LVD	MPE SAR
EN301489-1-3	EN300328_868MHz	EN62368-1	EN62311
EN55032/EN55024			



Test standard: FCC rules Part 15 subpart B

Test Result: Radiated Emission. FCC Part 15.109/15.107 Class B Test passed.

Test standard: FCC rules Part 15 subpart C 15.247 (2017 - 10)

Test Result: No deviations from the technical specification(s) were ascertained in the course of the tests performed.



NCC RF LP0002_Base on FCC

Warning

Federal Communication Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

FCC Caution

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 centimeter between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 0.5 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

LIMITED WARRANTY

Giga-Tms warrants that the products sold pursuant to this Agreement will perform in accordance with Giga-Tms's published specifications. This warranty shall be provided only for a period of **one year** from the date of the shipment of the product from Giga-Tms (the "Warranty Period"). This warranty shall apply only to the "Buyer" (the original purchaser, unless that entity resells the product as authorized by Giga-Tms, in which event this warranty shall apply only to the first re-purchaser).

During the Warranty Period, should this product fail to conform to Giga-Tms's specifications, Giga-Tms will, at its option, repair or replace this product at no additional charge except as set forth below. Repair parts and replacement products will be furnished on an exchange basis and will be either reconditioned or new. All replaced parts and products become the property of Giga-Tms. This limited warranty does not include service to repair damage to the product resulting from accident, disaster, unreasonable use, misuse, abuse, negligence, or modification of the product not authorized by Giga-Tms. Giga-Tms reserves the right to examine the alleged defective goods to determine whether the warranty is applicable.

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Service may be obtained by delivering the product during the warranty period to Giga-Tms (8F No. 31 Lane 169, Kang Ning Street, Hsi Chih Dist New Taipei City, Taiwan). If this product is delivered by mail or by an equivalent shipping carrier, the customer agrees to insure the product or assume the risk of loss or damage in transit, to prepay shipping charges to the warranty service location, and to use the original shipping container or equivalent. Giga-Tms will return the product, prepaid, via a three (3) day shipping service. A Return Material Authorization ("RMA") number must accompany all returns. Buyers may obtain an RMA number by contacting with sales@gigatms.com.tw

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