MSR152U SERIES
Manual Insert Magnetic Card Reader
USB Interface

Thank you for purchasing the MSR152 series products.

The MSR152 Manual Insert Magnetic Card Reader USB interface is ideal for retail systems, time keeping systems, security systems and other card reader related systems. The MSR152 series are designed to offer the user a card reader solution that will complement many applications.

Triple track of MSR152 is uniquely designed to read both credit cards and Driver Licenses (AAMVA and California standard).

FEATURES
- Light weight: 65g
- Compact size: 107L*60W*26H (mm)
- Low noise
- Low power consumption
- Single, dual, or triple track versions allow for reading all types of magnetic cards, including credit cards and drivers licenses.
- No extra power supply is needed.

CONFIGURATION
- MSR152U-12 Dual track 1&2
- MSR152U-23 Dual track 2&3
- MSR152U-33 Triple track 1&2&3

Note: Optional configuration is available.

AGENCY APPROVAL
- Specification for FCC Class A
- Specification for UL/CUL
- Specification for CE Class A
- Specification for BSMI Class B

FEDERAL COMMUNICATIONS COMMISSION
(CLASS A of FCC NOTE)

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.

NOTE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARRANTY

This product is served under one-year warranty to the original purchaser. Within the warranty period, merchandise found to defective will be repaired or replaced. This warranty applies to the products only under the normal use of the original purchaser, and in no circumstances covers incidental or consequential damages though consumers' misuse or modification of the products.

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--- Proprietary and Confidential ---

SETUP

1.   Power off your PC system.

2.   Connect USB type A connector of MSR152 cable to a free USB port.

3.   Power on your PC system.

4.   Normally, windows system prompts "driver request" message for the first time install.

5.   After successful installed the driver, MSR152 can communicate with PC via a virtual COM port

SPECIFICATIONS

Recording Method	Two-frequency coherent phase (F2F), compatible with ISO 7811 and AAMVA.
Swipe Speed	4 to 40 in/sec (worst case with +/- 12% jitter card)
Power Requirements	+5VDC
Operating Temp	-10°C to +50°C, storage temp: -30°C to +70°C
Operating Humidity	10% to 85% relative humidity
Magnetic Head Life	500K Min., 1M optional
Dimensions	107L*60W*26H (mm)
Weight	65g
Cable length	1.5M
Interface Cable	USB Type A connector

OUTPUT DATA FORMAT

Data output format (Self-ARM mode)

Protocol code	Tk1 prefix	Tk1 Data	Tk1 suffix	EOT	BCC	
Protocol code	Separator	Tk2 prefix	Tk2 Data	Tk2 suffix	EOT	BCC
Protocol code	Separator	Tk3 prefix	TK3 Data	Tk3 suffix	EOT	BCC

Read data for command

Read tk1 data for command

Protocol code	Tk1 prefix	Tk1 Data	Tk1 suffix	EOT	BCC

Read tk2 data for command

Protocol code	Tk2 prefix	Tk2 Data	Tk2 suffix	EOT	BCC

Read tk3 data for command

Protocol code	Tk3 prefix	Tk3 Data	Tk3 suffix	EOT	BCC

Note: Tk x data: SS (option) track data ES (option) LRC (option)

Technical Support: Call 1-888-881-1900