MSR213U SERIES
Magnetic Stripe Card Reader
USB Interface

Thank you for purchasing the MSR213U series products.

The MSR213U USB Magnetic Card Reader series is ideal for retail systems, time keeping systems, security systems and other card reader related systems. The MSR213U series are designed to offer the user a card reader solution that will complement many applications.

Triple track of MSR213U is uniquely designed to read both credit cards and Driver Licenses (AAMVA and California standard).

FEATURES

- Read magnetic stripe cards conform to ISO 7811
- USB interface, no external power supply required
- Read high and low coercivity magnetic stripes
- Bi-directional card swipe and read capability
- No third-party driver is needed
- Single, dual, or triple track versions allow reading ISO, AAMVA, DMV and Trade show cards
- LED and Buzzer indicators indicate the status of reader
- Firmware upgradeable

CONFIGURATION

- MSR213U-12 Dual track 1&2
- MSR213U-23 Dual track 2&3
- MSR213U-33 Triple track 1&2&3

Note: Optional configuration is available

AGENCY APPROVAL

- Specifications for FCC Class B, CE Class B
- BSMI (Bureau of Standards, Metrology and Inspection, Taiwan)

NOTE: 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 or more 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.

You are cautioned that any change or modifications to the equipment not expressly approve by the party responsible for compliance could void your authority to operate such equipment.

BSMI 甲類 Class A 警語

警告使用者：
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，
在這種情況下，使用者會被要求採取某些適當的對策。

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.
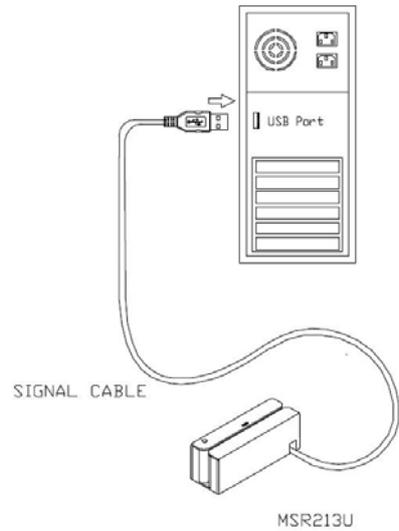
INSTALLATION

1) Insert USB connector to a free USB port on the PC system.
2) The LED of MSR213U will turn green indicating that the device is ready for use.

READER TEST

MSR213U is the HID Keyboard emulation device to work with the Windows XP/2000 applications that can accept the keyboard input. The following process would help to identify MSR213U installed properly or not.
1) Run the Notepad application from Start → Programs → Accessories → Notepad under Windows XP/2000
2) Swipe any card through the reader MSR213U.
3) The card data should appear on the Notepad if the MSR213U installed properly.

SPECIFICATIONS

Recording Method	Two-frequency coherent phase (F2F), compatible with ISO 7811 and AAMVA
Swipe Speed	5 to 55 inch/sec (worst case with +/- 15% jitter card)
Power Requirements	+5VDC, +/-5%
Operating Temperature	-10°C to +55°C
Operating Humidity	5% to 95% relative humidity
Magnetic Head Life	Min. 1M swipes
Dimensions	100L x 34W x 28H mm
Weight	Approx. 120g
Connector	USB series "A" plugs

DATA OUTPUT FORMAT

HID & I Mode

Preamble	Card Data			Postamble
	TK1 Prefix	TK1 Data	TK1 Suffix	
	TK2 Prefix	TK2 Data	TK2 Suffix	
	TK3 Prefix	TK3 Data	TK3 Suffix	

M Mode

TK1 Data
TK2 Data
TK3 Data

NOTICE: The issuer of this manual has made every effort to provide accurate information. The issuer should not be held liable for any technical and editorial omission or errors made herein; nor for incidental consequential damages resulting from the furnishing, performance or use of this material. This document contains proprietary information that is protected by copyright. All rights are reserved. No part of this document may be photocopied, reproduced, or translated without the prior written consent of the issuer. The information provided in this manual is subject to change without notice.