# Magnetic Stripe Reader Specifications



Model: MSR580

MSR580 is Tree-track magnetiic stripe reader, dedicated to reading and transmitting the card information. They are the one that this product uses the F2F decoder and date transmission. It comply with ISO or ANSL technical standards, and supports bi-directional swipe. Not only simulation keyboard output, but also plug and play without drivers.

Items	Detail		Items	Detail
Standard	ISO7810-7813		Method	USB
Rate	15~120cm/sec		Head Life	≥800,000
Operating Voltage	DC 5V±5%		Operating Current	≤50mA
Status Tips	LED(Optional Buzzer)		Material	ABS
Card Thickness	PVC 0.76±0.08mm		Track Width	1.5mm
Size(Product)	91.4mm×27.6mm×28.2mm		G W	100G
Size (Package)	138.7mm×67mm×41.4mm		N W	80G
Indicators	LED and Buzzer	ED and Buzzer		1420mm
Remark				
Track Position	ISO1(1ATA)	ISO2(ABA)		ISO3(MINTS)
Recording Density	210BPI	75BPI		210BPI
Number of Character	s 79	40		107
Operating System	Windows XP、Windows7、	Windows XP、Windows7、Windows10、Android、Linux etc.		

#### **1** Parameter

## 2 Feature

- Users can set the start and end symbo, Enter , Beeper or character replacement by themself.
- > Low power without external power, powered directly through USB port of the PC.
- > The unique design, low error rate and supports bi-directional swipe when using.
- ▶ Long head life, suitable for high-load job.
- Self-test before operating.
- Brighting green LED battery means reading successfully (Device with a buzzer will "beep" after success of the device).
- Virtual keyboard output data.

## **3** Setting of information output

User can set up the information output of the magnetic stripe card by device software, such

MSR580 (Magnetic stripe card

Demo V3)

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as track 1,track 2,track 3,full-track or any two of the track. Also they can set the start track symbol, end symbol or enter, as follows:

**Step 1** Connect the device to the PC, double-click the demo

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<u>S</u> ystem S <u>t</u> ype <u>A</u> bout			
	Output Track option  Output track 1 data Output track 2 data Output track 3 data		
Buzzer Small Buzzer Small Buzzer	Set		
RFID Magnetic stri	pe card Demo V3.0	2017.12.23 05:53:26 PM	

**Step 2** User can set up the each track or the track information beginning symbol and the end symbol, as follows.

## • Setting the start symbol and end symbol

If user has no need of the start and end symbol, please delete the"%", ";", "+", "?" symbol in edit box. As the pictures:



#### • Setting the track data

Such as set the three tracks data(All tracks data), checking the square. As the pictures:



#### • Enter after the data

According to the user's demand, many ways to choice for data enter.such as single-track, multi-track or full three-track., As the pictures:

Output CR flag option	⊂Output CR flag option	Cutput CR flag option
Output (CR) flag at the end of Track 1	Cutput (CR) flag at the end of	
Cutput (CR) flag at the end of Track 2	Output (CR) flag at the end of	Track 2 Output (CR) flag at the end of Track 2
Cutput (CR) flag at the end of Track 1	Output (CR) flag at the end of	Track 1 Output (CR) flag at the end of Track 1
Output (CR) flag at the end of packet	or Output (CR) flag at the end of	packet or Output (CR) flag at the end of packet

• Open or close the beeper

If user don't want the beeper, close it like this. Don't check " <sup>Open Buzzer</sup> " option. As follow:

Buzzer	O Small Buzzer
Open Buzzer	

Step 3 After setting the reader , check" Set "option. The magnetic stripe card through the card reader, then the data of card appears in the preview area of the setting software, also you can open the word, excel or notepad to test. As follow:

2	🐹 Magnetic stripe card Demo V3.0 🖬 🕅			
<u>S</u> ystem S <u>t</u> ype <u>A</u> bout				
RU Series Demo V3.0		Set Up	Success	06:35:19 PM
Device Controls     Find Device		000000	CREADER. CO 10001 1000000002	n
SS and ES flag option TRK1 TRK2 TRK2 SS: Output CR flag option Coutput CR flag option Coutput (CR) flag at the o Output (CR) flag at the o	Ind of Track 1 mid of			
Read	Set			
RFID	Magnetic stripe card Demo V3.0		2017.12.23	06:35:46 PM

(The data in Setting Demo for PC)

<sup>46</sup>    <sup>36</sup>    <b>奈</b> ₁	18:40	۹۶ 🕑 🕒
<b>&lt;</b> Notes	Modify Note	Done
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(The data in the notes for Android)

# 4 Applications

The system of bank, POS, VIP management, Query or ID authentication and so on.

# 5 Pictures

