

***MagStripeCardReader.com***

Best magnetic stripe card reader in the world!!!

# **MSCRbt100**

## **User Manual**



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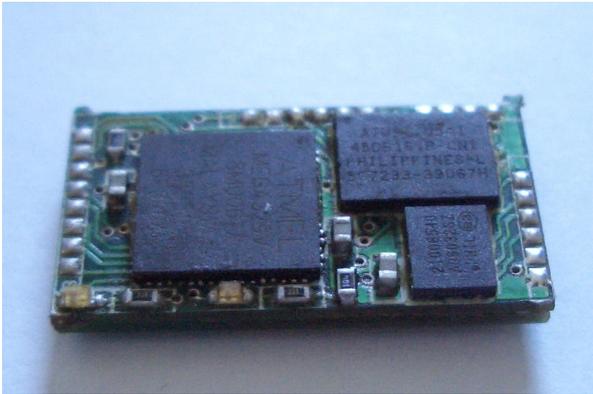
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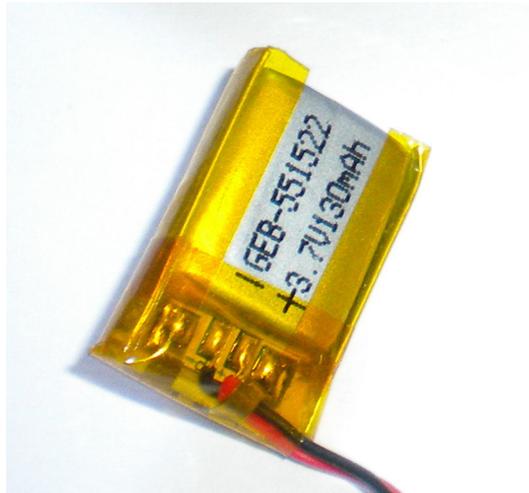
**Parts identification**



**MSCRbt100**  
**The bluetooth magnetic stripe card reader**



**Plastic Rail**  
**It has a 4.5mm thick magnetic head inside**



**Rechargeable battery**  
**A very small 130mA Li-Ion battery (size:22mm/5mm/15mm)**

# Software installation and usage:

## 1. Installing the software:

Go to [www.MagStripeCardReader.com](http://www.MagStripeCardReader.com) click on [Tutorials](#) and download the [MSCR downloader 0.1.rar](#) package.

1. Extract the archive
2. Install the "Install me first.exe" file
3. Install the "MSCRSetup.msi" file

## 2. Using the software:

The software used to download, command and view the data read with the MSCRbt100 is called "MSCR downloader".

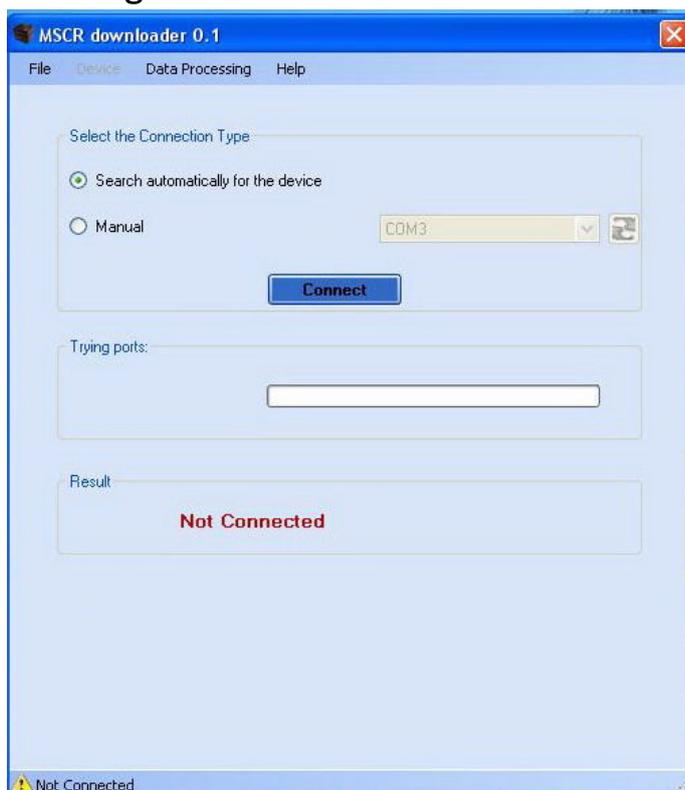
**Step 1:** Start the MSCRbt100 (press the white button on the bottom) The red and green lights will alternate for about 1 second and the red light will blink once every second

**Step 2:** Make sure that your computer Bluetooth is visible to others and that the secure connection box is unchecked.

Start your computer Bluetooth software and search for devices in range. You will find a "Free2move" device. Connect to it and remember the COM number.



**Step 3:** Start the "MSCR downloader". Click on the icon on the desktop after installing



**Step 4:** Click on "File", click on "Connect" than you can choose either automatic search, either manual search

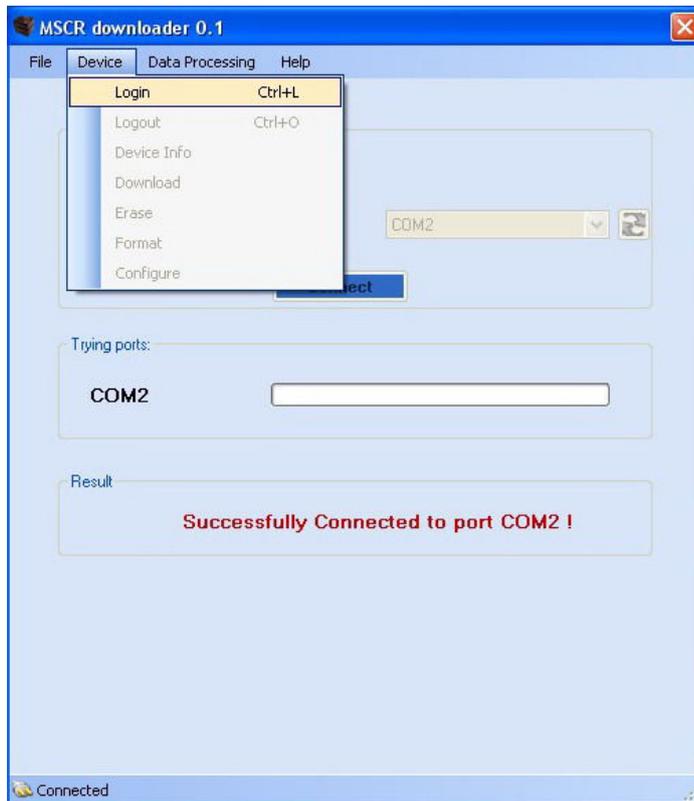
If automatic search is taking too long to connect you can try the manual search. For the Manual search you need to know the COM number assigned for your cable. There are several options to find the COM:

1. You can try the COMs one by one until you connect to one of them.

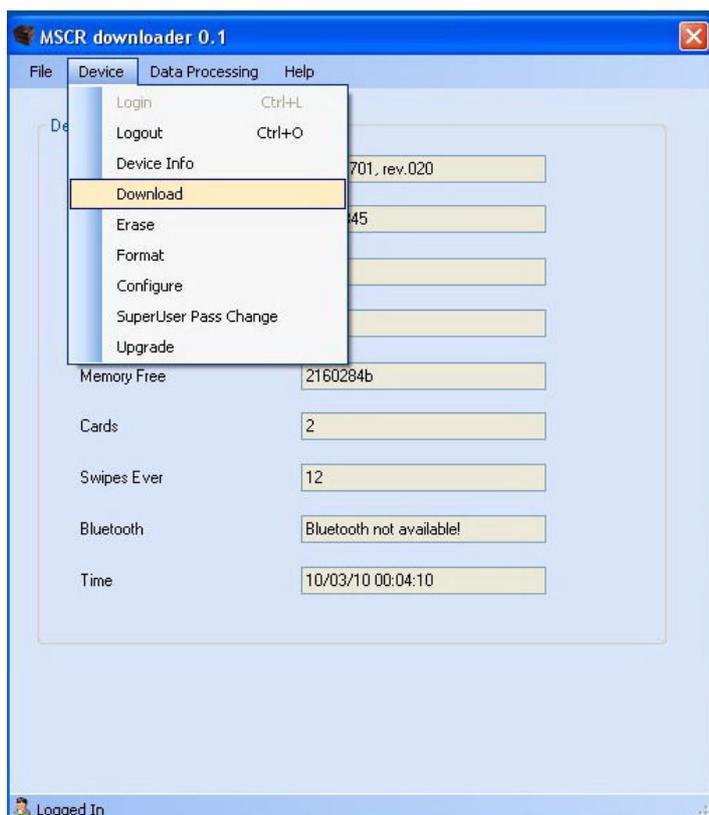
2. Go to the “Device Manager” in your system, click on the “Ports (COM&LPT) and see the COM number assigned for the “Bluetooth communication”.
3. After you have made the pairing between the computer Bluetooth and MSCRbt100, right click on it, click on “properties” and look at the COM number assigned when connected.

In all cases after you find out the COM number, remember it so it will be much faster when you connect to the “MSCR downloader”.

### Step 5:



After you have connected to the COM and the message appears, the “Device” option will unlock. Click on it, click Login and enter the password. There are 2 passwords the MSCRbt100 come with: 1234 and 4321. We are strongly recommend to change them as soon as you receive the device.



**Step6:** After you are logged on you can several options:

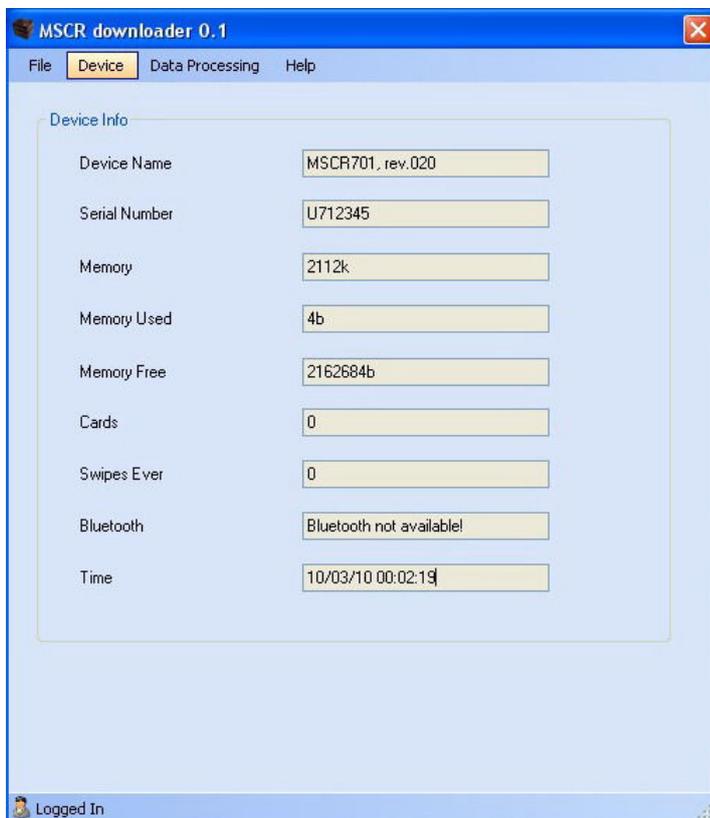
- Logout
- Device Info
- Erase
- Format
- Configure
- SuperUser Pass Change
- Upgrade

Note: this options are for the 4321 password. There are similar options for the 1234 password. The difference is that for 1234 password you can change your pass from the configure menu.

So let's see what are the options for:

**Logout:** - you can disconnect from the device

**Device info:** Here you can see all the info of the device



- Device name
- Serial number – if you have bought a Demo version and if you want to upgrade it, you will have to give us the serial number so we can give you the upgrade code for your device.
- Memory size
- Memory used
- Memory free
- Cards in the memory swiped correctly (not interrupted)
- All the swipes made since the start of the usage of

the device

- Bluetooth – it is available for this product (not like in the picture)
- Time and date set on the device

**Download:** With this option you can download the data available on the device (all the cards swiped). Choose a target and a name where you want to download the data and click on “Download”

**Erase:** With this option you can erase everything on the device

**Format:** With this option you can format the device memory

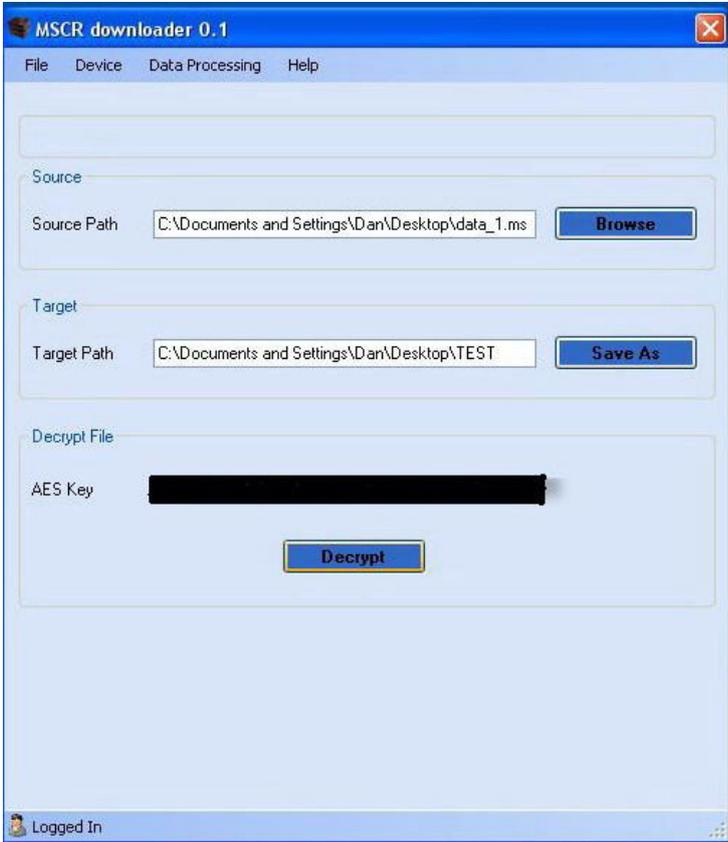
**Configure:** Here you can set the date and time and the function time of the bluetooth. If you have logged in with 1234 password, you can also change your password here.

**SuperUser Pass Change:** If you logged on with 4321 you can change your password here

**Upgrade:** Here you will introduce the code we gave you after you bought the upgrade code. (only available for Demo versions). Please note that the Demo version is working for 10 minutes and/or 10 swipes. **Warning:** You will have to download and/or restart the device after that. You only have 10 attempts to introduce the correct code. After that the device will lock-up and it will be useless.

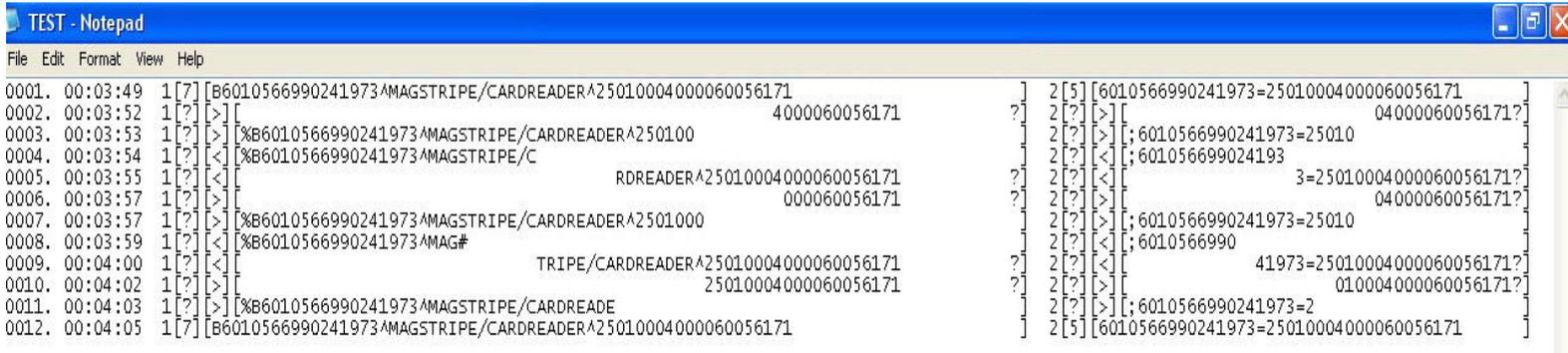
# Decrypt the data:

The data downloaded from your MSCRbt100 is encrypted with a military grade encryption. In order to decrypt the file, you need to have a key that we give you when we sent you the device.



At Source Path, choose the data that you want to decrypt  
At Target Path choose where you want to decrypt it and save the decrypted file. If you don't choose anything, a file .txt will be made with the same name as the encrypted file.  
AES Key: insert the key we gave you with the device.

# View the data



If the key is ok, the program will decrypt the data and display it in the textbox. Here you have an example of how the cards will show.  
Column 1: number of the swipe  
Column 2: time when the swipe has been done  
Column 3: track1 (the "<" or ">" sign indicates the direction of the swipe)  
Column 4: track2 (the "<" or ">" sign indicates the direction of the swipe)  
Column 5: track3 ((the "<" or ">" sign indicates the direction of the swipe)  
Note that the majority of the cards don't have the track 3 written on them.

# MSCRbt100 signal codes

## Normal operation:

- Start up:** - red and green light will alternate several times for a second
- Device on:** - green light will blink every second
- For Demo version:** - green light stopped blinking after 10 swipes or 10 minutes
- Formating Memory:** - red and green light alternates once a second

## Errors:

- Memory failure:** - red and green light stays on

# Charging the battery

MSCRbt100 is shipped with a Li-Ion battery. When it runs out, it needs to be charged. Your device comes with a charger for the battery so we suggest you use that one. You can also use any 3.7V Li-Ion charger. Do not charge your battery at more than 4.2volts because it will blow up or catch fire. The red wire is plus (+) and the black wire is minus (-)

# Connections

**Warning:** The MSCRbt100 is static sensitive therefore you need to handle it in a static free environment. This means that you need to wear at least an antistatic bracelet when you touch the electronics. If you do not wear static protection gear you risk damaging your reader!

MSCRbt100 requires at least 2.8Volts to work correctly and a maximum of 3.8volts.

### Magnetic head connections:

