Deftun MSR-X6BT

Deftun MSR-X6(BT) Magnetic Stripe Card Reader Writer Encoder User Manual

Model: MSR-X6BT

1. INTRODUCTION

The Deftun MSR-X6(BT) is a compact and portable magnetic stripe card reader/writer designed for reading, writing, and erasing data on magnetic stripe cards. It supports ISO 7811-6 formats and is compatible with various operating systems including Windows, Mac OS, Linux, iOS, and Android via both Bluetooth and USB interfaces. This manual provides detailed instructions for setting up and operating your device.

Figure 1: Deftun MSR-X6(BT) Magnetic Stripe Card Reader Writer Encoder

2. PACKAGE CONTENTS

Please verify that all items are included in your package:

- 1x MSR X6(BT) Bluetooth Magnetic Card Reader Writer Encoder
- 1x Software CD
- 1x USB Cable
- 20x Blank HiCo Magnetic Cards

Figure 2: Contents of the Deftun MSR-X6(BT) package

3. SETUP GUIDE

3.1 Initial Charging

Before first use, ensure the device is fully charged. Connect the device to a USB power source using the provided USB cable. An LED indicator will show charging status.

3.2 Software Installation (Windows/Mac OS)

Insert the provided Software CD into your computer's CD drive and follow the on-screen instructions to install the necessary drivers and application for Windows or Mac OS.

3.3 Mobile App Installation (iOS/Android)

For mobile use, download the "EasyMSR" application from the Google Play Store (for Android devices) or the Apple App Store (for iPhone/iPad). This app facilitates Bluetooth connectivity and card operations.

"EasyMSR" APP download from from Google Play or App Store

Read **Write** **Erase**

Figure 3: EasyMSR App for mobile devices

3.4 Connecting via Bluetooth

To connect the MSR-X6(BT) to your mobile device via Bluetooth:

1. Ensure the MSR-X6(BT) device is powered on.
2. On your mobile device, go to **Settings** and enable **Bluetooth**.
3. Open the "EasyMSR" app.
4. Within the app, select the MSR-X6(BT) device from the list of available Bluetooth devices to establish a connection. The app will indicate when the device is successfully connected ("Device Online!").

Video 1: Demonstrates connecting the MSR-X6(BT) via Bluetooth and performing basic card operations (Read, Write, Copy, Erase) using the EasyMSR app. It also shows how to set data types.

4. OPERATING INSTRUCTIONS

The MSR-X6(BT) supports reading, writing, and erasing data on magnetic stripe cards across Tracks 1, 2, and

3. It is compatible with Hi-Co and Lo-Co cards (300~4000 OE).

Reads up to 3 tracks of information,
Support ISO7811, AAMVA, CA DMV

Figure 4: Device capable of reading up to 3 tracks

4.1 Swiping Cards

When swiping a card, ensure the magnetic strip is aligned correctly and swiped evenly along the direction of the magnetic head. Refer to the video in Section 3.4 for a visual demonstration.

4.2 Read Card

To read data from a magnetic card:

1. In the EasyMSR app (or desktop software), select the "Read Card" option.
2. Swipe the card through the device.
3. The data from Tracks 1, 2, and 3 will be displayed.

4.3 Write Card

To write data to a magnetic card:

1. Enter the desired data for Tracks 1, 2, and/or 3 in the app/software.

2. Select the "Write Card" option.
3. Swipe a blank or erasable card through the device.
4. The data will be written to the card.

4.4 Copy Card

To copy data from one card to another:

1. Select the "Copy Card" option.
2. Swipe the source card to read its data.
3. Swipe the target card (blank or erasable) to write the copied data.

4.5 Erase Card

To erase data from a magnetic card:

1. Select the "Erase Card" option.
2. Choose which tracks you wish to erase.
3. Swipe the card through the device.
4. The selected tracks will be erased.

Read, Write, Copy, Erase, Compare,
Save to File, File to Write

Figure 5: Device functions including Read, Write, Copy, and Erase

4.6 Setting Data Type

The device supports various data types for magnetic stripe encoding, including ISO, AAMVA, CaDMV, RawData, and UserType. You can select the appropriate data type within the software/app settings to ensure compatibility with your specific card requirements.

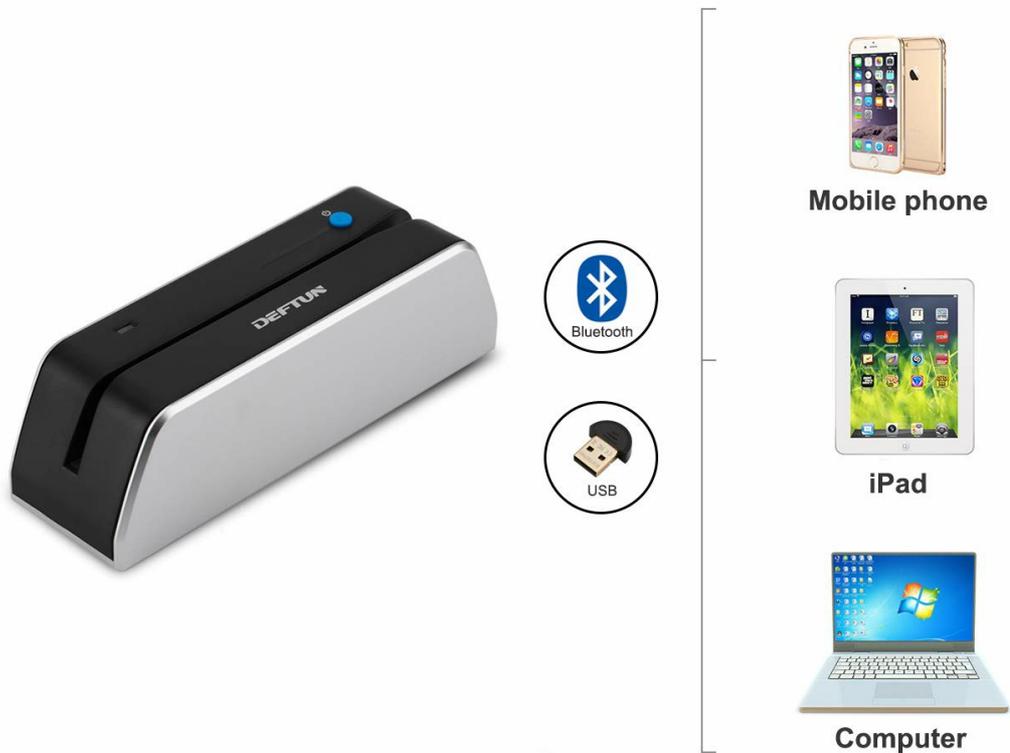# Bluetooth and USB interface works with computers and mobile / tablet

Mobile phone

iPad

Computer

Figure 6: Connectivity options: Bluetooth and USB

5. MAINTENANCE

To ensure the longevity and optimal performance of your MSR-X6(BT) device:

- Keep the device clean and free from dust and debris.
- Use a soft, dry cloth for cleaning the exterior.
- Avoid exposing the device to extreme temperatures or humidity.
- Do not use abrasive cleaners or solvents.
- Regularly clean the magnetic head using a specialized magnetic head cleaning card (not included, but recommended for purchase).

6. TROUBLESHOOTING

If you encounter issues with your MSR-X6(BT), please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not connecting via Bluetooth	Bluetooth is off on mobile device; device not discoverable; low battery.	Ensure Bluetooth is enabled; restart the MSR-X6(BT); charge the device fully.
Card read/write errors	Incorrect card swipe; dirty magnetic head; damaged card.	Swipe card evenly and in correct direction; clean magnetic head; try a different card.
Software/App not launching or crashing	Incompatible OS; corrupted installation; insufficient system resources.	Verify OS compatibility; reinstall software/app; close other applications.
LED indicator not working	Device off; battery depleted; internal fault.	Power on device; charge device; contact customer support if issue persists.

If the problem persists after attempting these solutions, please contact Deftun customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model Number	MSR-X6BT
Brand	Deftun
Connectivity	Bluetooth, USB
Supported Tracks	1, 2, 3
Coercivity	Hi-Co & Lo-Co (300~4000 OE)
Functions	Read, Write, Erase
Operating Systems	Windows 98/2000/XP/Vista/7/8 (32&64 bit), Mac OS, Unix, Linux, iOS, Android
Item Weight	1.01 pounds
Product Dimensions	5.5 x 1.6 x 1.6 inches (approximate)
Cable Length	5 ft (150 cm) USB cable
Power Source	USB powered (no extra power adapter needed)
Battery	1 Lithium Ion battery required

Figure 7: Device dimensions

8. WARRANTY AND SUPPORT

Deftun products are designed for reliability and performance. For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Deftun website. Keep your purchase receipt for warranty claims.