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Deftun MSR605X

Deftun MSR605X Magnetic Card Reader/Writer User Manual

Model: MSR605X

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Deftun MSR605X Magnetic Card Reader/Writer. The MSR605X is a versatile device designed for reading, writing, rewriting, copying, encoding, and comparing magnetic stripe cards across all three tracks. It is compatible with both Windows and Mac OS, offering a reliable solution for various magnetic card applications.

PACKAGE CONTENTS

Please verify that all items are present in your package:

- Deftun MSR605X Magnetic Card Reader/Writer Unit
- USB Connection Cable
- Software CD (for Windows and Mac OS)
- Blank Magnetic Cards (quantity may vary)
- Head Cleaning Card



Figure 1: Deftun MSR605X unit and its accessories, including the USB cable, software CD, blank cards, and a head cleaning card.

PRODUCT OVERVIEW

The Deftun MSR605X features a compact design with a USB interface for easy connectivity. It includes indicator lights for operation status and a slot for swiping magnetic cards.



Figure 2: Front view of the Deftun MSR605X Magnetic Card Reader/Writer, highlighting the card swipe slot, indicator lights, and USB cable connection.

Key Features:

- Read, write, rewrite, copy, encode, and compare magnetic stripe cards.
- Supports all 3 tracks (Track 1, Track 2, Track 3).
- Adjustable BPI (Bits Per Inch) settings for 75 or 210 BPI.
- USB interface for power and data transfer, no external power adapter required.
- Compatible with Windows 10 and Mac OS.

SETUP GUIDE

1. Software Installation

The MSR605X requires dedicated software for operation. You can install the software from the included CD or download the latest version from the official Deftun website.

1. **For CD Installation:** Insert the software CD into your computer's CD/DVD drive. Follow the on-screen instructions to install the application.

2. **For Download:** Visit the official Deftun support website and locate the software for the MSR605X model. Download the appropriate version for your operating system (Windows or Mac OS) and follow the installation prompts.
3. After installation, it is recommended to restart your computer.

2. Hardware Connection

Connect the MSR605X to your computer using the provided USB cable.

1. Plug the smaller end of the USB cable into the USB port on the MSR605X unit.
2. Plug the standard USB-A end of the cable into an available USB port on your computer.
3. The device is powered via the USB connection, so no external power adapter is needed. The indicator lights on the unit should illuminate, indicating it is receiving power and ready for connection.

OPERATING INSTRUCTIONS

Once the software is installed and the device is connected, launch the MSR605X application on your computer.

General Card Swiping Technique:

For optimal performance, swipe cards smoothly and consistently through the reader slot. Ensure the magnetic stripe faces the correct direction (usually downwards or towards the indicator lights).

1. Reading Magnetic Cards

1. In the software, navigate to the "Read" or "Read Card" section.
2. Click the "Read" button or equivalent command.
3. Swipe the magnetic card through the MSR605X unit. The software will display the data read from the card's tracks.

2. Writing/Encoding Magnetic Cards

The MSR605X supports encoding data onto all three tracks. You can also set the BPI for each track.

1. In the software, go to the "Write" or "Encode" section.
2. Enter the data you wish to write for each track (Track 1, Track 2, Track 3) in the respective fields.
3. Select the desired BPI (75 or 210) for each track if adjustable in the software.
4. Click the "Write" or "Encode" button.
5. Swipe a blank or rewritable magnetic card through the MSR605X unit. The software will indicate successful writing.

3. Rewriting/Copying Cards

To copy data from one card to another:

1. First, read the source card as described in "Reading Magnetic Cards". The data will populate the software fields.
2. Then, without changing the data, proceed to the "Write" or "Encode" section.
3. Swipe the target blank or rewritable card through the MSR605X unit to transfer the data.

4. Comparing Cards

The compare function allows you to verify if two cards contain identical data, or if a written card matches the intended

data.

1. In the software, locate the "Compare" function.
2. Follow the software prompts to swipe the first card, then the second card.
3. The software will display whether the data on the two cards matches or highlight any discrepancies.

5. Erasing Cards

To clear data from a magnetic card:

1. In the software, find the "Erase" or "Clear" function.
2. Click the "Erase" button.
3. Swipe the magnetic card you wish to erase through the MSR605X unit. The software will confirm the erasure.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your MSR605X unit.

Cleaning the Read/Write Head:

Over time, dust and debris can accumulate on the read/write head, affecting performance. Use the provided head cleaning card periodically.

1. Power off the MSR605X unit by disconnecting the USB cable.
2. Carefully open the head cleaning card packet.
3. Swipe the head cleaning card through the magnetic card slot several times, just as you would a regular card.
4. Reconnect the USB cable.

Do not use abrasive materials or harsh chemicals to clean the device. A soft, dry cloth can be used to wipe the exterior.

TROUBLESHOOTING

If you encounter issues with your Deftun MSR605X, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not recognized by computer.	USB connection issue, driver not installed correctly.	<ul style="list-style-type: none">• Try a different USB port.• Ensure the USB cable is securely connected.• Reinstall the software/drivers.• Restart your computer.

Problem	Possible Cause	Solution
Cannot read/write cards.	Incorrect card swipe, dirty read/write head, software settings.	<ul style="list-style-type: none"> • Ensure the card is swiped smoothly and with the magnetic stripe facing the correct direction. • Clean the read/write head using the cleaning card. • Verify software settings (e.g., correct track selection, BPI). • Test with a different card.
Software crashes or freezes.	Software conflict, outdated software, system resources.	<ul style="list-style-type: none"> • Close other applications. • Update the software to the latest version from the Deftun website. • Reinstall the software.

SPECIFICATIONS

Brand	Deftun
Model Name	MSR605X
Part Number	4348345683
OS Compatibility	Windows, Mac OS
Hardware Interface	USB 3.0 Type A
Compatible Devices	Laptop, Personal Computer
Special Features	Compact design, Read/Write/Rewrite/Copy/Encode/Compare functions
Data Transfer Rate	480 Megabits Per Second
Connector Type	Micro USB, USB Type A, USB Type C
Supported Tracks	Track 1, Track 2, Track 3
BPI Settings	75 BPI or 210 BPI (per track)
Power Source	USB Powered (no external adapter needed)
Parcel Dimensions	28.5 x 11.4 x 9.6 cm
Item Weight	748 g

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the documentation included with your product or visit the official Deftun website. Contact information for customer service is typically available on the manufacturer's support page.

When contacting support, please have your product model (MSR605X) and part number (4348345683) ready.

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