



Manuals.plus /

- › Deftun /
- › MSR90 USB Swipe Magnetic Credit Card Reader User Manual

Deftun MSR90

MSR90 USB Swipe Magnetic Credit Card Reader

Model: MSR90 | Brand: Deftun

INTRODUCTION

The Deftun MSR90 is a versatile USB magnetic stripe card reader designed for ease of use and reliable performance. It functions as a keyboard emulation device, requiring no special drivers or software for basic operation. Capable of reading up to three tracks of information, it supports various card data formats including ISO7811, AAMVA, and CA DMV. Its bi-directional swipe capability ensures efficient reading of even worn or scratched cards, making it suitable for a wide range of applications.



Image: The MSR90 USB Swipe Magnetic Credit Card Reader, a compact black device with an attached USB cable, ready for connection.

SETUP

The MSR90 is designed for simple plug-and-play functionality, eliminating the need for complex driver installations. It operates as a USB keyboard interface, making it compatible with most operating systems, including Windows and Mac OS.

1. **Connect the Device:** Locate an available USB Type-A port on your computer or host device. Insert the USB connector of the MSR90 into the USB port.
2. **System Recognition:** Your operating system will automatically detect the device. A green LED indicator on the MSR90 will illuminate, signifying a successful connection and that the device is ready for use.
3. **No Software Required:** For basic card reading, no additional software or drivers are necessary. The device will input card data directly into any active text field as if it were typed from a keyboard.

Smallest and Portable



Image: The MSR90 card reader connected via its USB cable to a white laptop, demonstrating its plug-and-play setup.

OPERATING INSTRUCTIONS

The MSR90 is engineered for efficient and reliable magnetic stripe card reading. Follow these steps for optimal performance:

1. **Prepare for Input:** Ensure that the cursor is positioned in the desired text field or application where you want the card data to appear.
2. **Swipe the Card:** Hold the magnetic stripe card firmly and swipe it through the reader slot. The MSR90 supports bi-directional swiping, meaning you can swipe the card from left to right or right to left.
3. **Observe LED Indicator:** The green LED indicator will blink rapidly during a successful card swipe, confirming that data has been read.
4. **Data Output:** The card's information (up to 3 tracks) will be automatically entered into the active text field. The device is designed to read ISO7811, AAMVA, CA DMV, and most other standard card data formats.

5. **Configuration Software (Optional):** For advanced configuration, such as selecting specific tracks to read or customizing prefix/suffix characters, a Windows-based configuration software is available. This software allows for easy modification of the reader's settings.

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



Image: The MSR90 card reader with text indicating its capability to read up to 3 tracks of information, supporting ISO7811, AAMVA, and CA DMV standards.

Bidirectional Swipe Card



Image: An illustration showing a card being swiped through the MSR90, with visual effects representing its bidirectional reading capability.

MAINTENANCE

To ensure the longevity and optimal performance of your MSR90 card reader, regular maintenance is recommended.

- **Cleaning the Read Head:** Over time, dust and debris can accumulate on the magnetic read head, potentially affecting reading accuracy. Use a specialized magnetic stripe reader cleaning card to clean the head. Swipe the cleaning card through the reader slot as you would a regular card.
- **Exterior Cleaning:** Wipe the exterior of the device with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the device's surface.
- **Storage:** When not in use, store the MSR90 in a clean, dry environment away from extreme temperatures and direct sunlight.



Image: A box of head cleaning cards, specifically designed for maintaining magnetic stripe readers like the MSR90.

TROUBLESHOOTING

If you encounter issues with your MSR90 card reader, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|--|--|--|
| Device not recognized / Green LED off | Loose USB connection, faulty USB port, or system issue. | Ensure the USB cable is securely plugged into both the MSR90 and the computer. Try a different USB port or a different computer to isolate the issue. |
| Card data not appearing / Inconsistent reads | Incorrect swipe technique, dirty read head, damaged card, or incorrect cursor placement. | Ensure the card is swiped smoothly and consistently through the slot. Verify the magnetic stripe is facing the correct direction. Clean the read head using a cleaning card. Check if the cursor is active in the desired input field. Try swiping a different card. |
| Green LED does not blink on swipe | Card not read successfully. | Refer to "Card data not appearing / Inconsistent reads" solutions. The blinking LED indicates a successful read. |
| Configuration software not working on Mac OS | The configuration software is Windows-specific. | The MSR90 reader itself works on Mac OS for basic reading. The configuration software is only compatible with Windows operating systems. Use a Windows machine if configuration changes are required. |

SPECIFICATIONS

- **Brand:** Deftun
- **Model:** MSR90
- **Connectivity:** USB Type-A
- **Reading Capability:** Reads up to 3 tracks of information (ISO7811, AAMVA, CA DMV)
- **Swipe Direction:** Bi-directional
- **Operating System Compatibility:** Windows OS, Mac OS
- **Special Features:** Plug & Play, LED indicator

- **Durability:** Reliable for over 1,000,000 card swipes
- **Item Weight:** 2.85 ounces (approx. 80.8 grams)
- **Product Dimensions (LxWxH):** 4.02 x 2.76 x 1.65 inches (approx. 10.2 x 7.0 x 4.2 cm)
- **Color:** Black



Image: The MSR90 card reader shown next to a smartphone, highlighting its compact size and dimensions (90mm length, 29mm height, 27mm width).

WARRANTY INFORMATION

Specific warranty terms and conditions for the Deftun MSR90 may vary. Please refer to the product packaging or contact Deftun directly for detailed warranty information, including coverage period and claim procedures.

CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or general inquiries regarding your Deftun MSR90, please contact the manufacturer or the seller from whom you purchased the product. Refer to your purchase documentation for contact details.