

YARONGTECH MIFARE READER

YARONGTECH MIFARE 13.56MHz Intelligent USB Desktop HF RFID Card Reader User Manual

Model: MIFARE READER

INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your YARONGTECH MIFARE 13.56MHz Intelligent USB Desktop HF RFID Card Reader. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

Key Features:

- Reads RFID 1k cards.
- Operates at 13.56MHz frequency.
- Designed for smart card reading applications.
- USB interface for easy connectivity.
- Driver-free operation for most standard operating systems.
- Reads the first 10 digits of the card ID.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- YARONGTECH MIFARE 13.56MHz RFID Card Reader Unit
- USB Connection Cable



Image: Top view of the YARONGTECH RFID Card Reader. This shows the sleek, black rectangular device with a small indicator light on the top left.



Image: USB Type-A to USB Type-B cable. This black cable is used to connect the RFID reader to a computer.

SETUP

Hardware Connection:

1. Locate the USB port on the back of the YARONGTECH RFID Card Reader.
2. Connect the smaller end of the provided USB cable (USB Type-B) into the reader's USB port.
3. Connect the larger end of the USB cable (USB Type-A) into an available USB port on your computer.
4. Upon successful connection, the indicator light on the reader will illuminate, typically with a red or green light, indicating power.



Image: Front view of the YARONGTECH RFID Card Reader, showing the USB port for connection. The device is black and compact.

Driver Installation:

This device is designed for plug-and-play operation and typically does not require manual driver installation. Your operating system (Windows, macOS, Linux, etc.) should automatically recognize and install the necessary drivers upon connection. If the device is not recognized, try connecting to a different USB port or restarting your computer.

OPERATING INSTRUCTIONS

Reading RFID Cards:

1. Ensure the RFID card reader is properly connected to your computer and the indicator light is on.
2. Open a text editor (e.g., Notepad, WordPad, Microsoft Word) or any application where you wish to input the card ID.
3. Place the MIFARE 13.56MHz RFID card directly onto the reading surface of the device.
4. The reader will emit a short beep (if equipped) and the indicator light may flash, signifying a successful read.
5. The first 10 digits of the card's unique ID will automatically be entered into the active text field on your computer, followed by an Enter key press.

Data Output:

The reader functions as a keyboard emulator. When a card is read, it sends the card's ID as if it were typed directly from a keyboard. This means it is compatible with any software that accepts keyboard input.

MAINTENANCE

Proper care and maintenance will extend the life of your RFID card reader.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid abrasive cleaners, solvents, or harsh chemicals. Do not spray liquids directly onto the reader.
- **Storage:** Store the reader in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not attempt to disassemble the reader, as this will void any potential warranty.
- **Environment:** Keep the device away from strong electromagnetic fields, which can interfere with its operation.

TROUBLESHOOTING

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

- **Device Not Recognized:**
 - Ensure the USB cable is securely connected to both the reader and the computer.
 - Try connecting the reader to a different USB port on your computer.
 - Restart your computer.
 - Verify that the indicator light on the reader is illuminated.
- **Card Not Reading:**
 - Ensure you are using a compatible MIFARE 13.56MHz RFID card. This reader does not support other frequencies or card types.
 - Place the card flat and directly onto the reading surface.
 - Check if the reader's indicator light flashes or beeps when a card is presented. If not, the card may be damaged or incompatible.
 - Ensure no other strong RFID signals are interfering nearby.
- **Incorrect Card ID Output:**
 - Confirm that the active input field on your computer is ready to receive text input.
 - The reader outputs the first 10 digits of the card ID. Verify if your expected output matches this format.
 - Ensure your keyboard layout settings on the computer are standard.

SPECIFICATIONS

Feature	Detail
Brand	YARONGTECH
Model Number	MIFARE READER
Series	RFID Card Reader HF RFID USB 13.56MHZ ISO14443A IC Reader

Operating Frequency	13.56MHz
Interface	USB Type A
Compatible Devices	Personal Computer
Operating System Compatibility	Multiple (Windows, macOS, Linux, etc.)
Special Feature	Compact, Driver-free
Item Weight	4.6 ounces
Package Dimensions	5.51 x 3.62 x 1.5 inches

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact YARONGTECH customer service directly. You can often find support contact details on the manufacturer's official website or through your point of purchase.

For further assistance, please visit the [YARONGTECH Store on Amazon](#).