Mantra MFS100-v54OTG

Mantra MFS100 v54 OTG Fingerprint Scanner User Manual

Model: MFS100-v54OTG

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Mantra MFS100 v54 OTG Fingerprint Scanner. Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

The Mantra MFS100 is a biometric fingerprint USB scanner designed for secure authentication, identification, and verification. Its hard optical sensor is built to be resistant to scratches, impact, vibration, and electrostatic shock. This device is STQC / UIDAI certified and is suitable for various applications including AADHAAR projects, NDLM projects, Jeevan Pramaan Patra, eMudra DSC verification, Sify DSC, and other supported platforms.

PACKAGE CONTENTS

Upon unboxing, verify that all items listed below are present and in good condition:

- Mantra MFS100 Fingerprint Scanner
- Cleaning Cloth
- Product Manual (this document)

Image: Contents of the Mantra MFS100 package, showing the scanner, a cleaning cloth, and the product manual.

SPECIFICATIONS

Feature	Detail
Model Name	Mantra MFS100 v54 OTG with RD Service Finger Print Scanner (Black)
Item Model Number	MFS100-v54OTG
Resolution	500 dpi/256 gray level
Platen Area	16 x 18 mm
Sensor Type	Optical (scratch free sensor surface)
Standards	ANSI-378 ISO19794-2, ISO 19794-4
Interface	USB 2.0 High Speed/Full Speed
Certifications	STQC/UIDAI Certified Sensor, CE, FCC, IEC, 60950, RoHS, PIV
Dimensions (LxWxH)	13 x 9 x 7 Centimeters
Item Weight	90 g
Material	Plastic

SETUP AND INSTALLATION

Follow these steps to set up your Mantra MFS100 fingerprint scanner:

1. **Unpack the Device:** Carefully remove the Mantra MFS100 scanner and its accessories from the packaging.

2. **Driver Installation:** The necessary drivers for the device must be installed from the link provided in the product manual (physical or digital). Ensure you download the correct drivers for your operating system. *Note: This device does not work on rooted mobile phones.*

3. **Connect to USB Port:** Plug the USB cable of the Mantra MFS100 scanner into an available USB 2.0 High Speed/Full Speed port on your computer or compatible OTG-enabled device.

4. **RD Service Activation:** For certain applications (e.g., AADHAAR, KYC, Jeevan Pramaan), an RD Service (Registered Device Service) may be required. Follow the instructions provided by your service provider for RD Service activation and configuration.

Image: The Mantra MFS100 fingerprint scanner, ready for connection to a USB port.

OPERATING INSTRUCTIONS

Once the drivers and any required RD services are installed, the Mantra MFS100 is ready for operation.

Fingerprint Scanning Process:

1. **Prepare for Scan:** Ensure the platen area (scanning surface) is clean. Use the provided cleaning cloth if necessary.

2. **Position Finger:** Place your finger flat on the optical sensor surface. Ensure full contact and even pressure.

3. **Maintain Position:** Hold your finger steady until the software application indicates a successful scan. Avoid moving your finger during the scanning process.

4. **Follow Software Prompts:** The specific application you are using (e.g., AADHAAR authentication, KYC) will guide you through the fingerprint capture process.

Supported Applications:

The Mantra MFS100 is compatible with various applications that require biometric authentication, including but not limited to:

- Airtel SIM activation
- KYC (Know Your Customer) processes
- Jeevan Pramaan
- CSC (Common Service Centers) services

- Digital Signatures
- Mutual Fund KYC
- Digital Locker
- Other supported sites and services that integrate with STQC/UIDAI certified biometric devices.

Image: A close-up view of the Mantra MFS100 fingerprint scanner, highlighting the optical sensor area.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Mantra MFS100 scanner.

- **Cleaning the Sensor:** Regularly clean the optical sensor surface with the provided cleaning cloth. For stubborn smudges, lightly dampen the cloth with water or a mild, non-abrasive cleaner. Do not use harsh chemicals or abrasive materials, as they can damage the sensor.
- **Storage:** When not in use, store the scanner in a clean, dry place away from direct sunlight, extreme temperatures, and excessive dust.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts, which can

damage internal components or the optical sensor.

- **Cable Care:** Do not bend or crimp the USB cable excessively. Always grasp the plug when connecting or disconnecting the cable, rather than pulling on the cord itself.

TROUBLESHOOTING

If you encounter issues with your Mantra MFS100 scanner, refer to the following common problems and solutions:

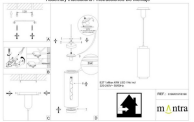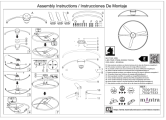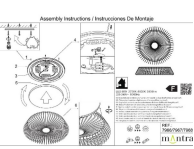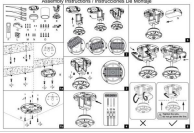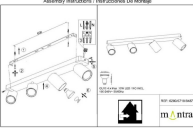| Problem	Possible Cause	Solution
Device not recognized by computer/application.	Drivers not installed or corrupted; loose USB connection; incompatible USB port.	Ensure drivers are correctly installed from the official source. Try connecting to a different USB port. Restart your computer.
Fingerprint scan fails or is inconsistent.	Dirty sensor surface; improper finger placement; dry or damaged finger.	Clean the sensor surface with the provided cloth. Ensure your finger is clean and dry. Place your finger flat and centered on the sensor with consistent pressure. Try a different finger if available.
RD Service not working.	RD Service not activated or expired; network issues; incorrect configuration.	Contact your RD Service provider for activation or renewal. Check your internet connection. Verify configuration settings as per your service provider's guidelines.
Device not working on mobile.	Mobile is rooted; OTG not supported; incorrect drivers/app.	The device does not work on rooted mobile phones. Ensure your mobile supports OTG functionality. Verify you have the correct mobile application and drivers for the device.

WARRANTY AND SUPPORT

The Mantra MFS100 v54 OTG Fingerprint Scanner comes with a **1 Year Warranty**. For warranty claims or technical support, please refer to the contact information provided by the manufacturer or your point of purchase.

For driver downloads and further assistance, please visit the official Mantra website or contact their customer support. Refer to the physical product manual for specific contact details or URLs.

Note: Refer user manual for better understanding on product usage.

Related Documents - MFS100-v54OTG

	Mantra MBAS30 Aadhaar Enabled Biometric Attendance System Detailed specifications and overview of the Mantra MBAS30, an Aadhaar-enabled biometric attendance system featuring a fingerprint scanner, camera, Wi-Fi, 4G, and Android OS for efficient time attendance tracking.
	Mantra Lighting Fixture Assembly Instructions (Models 6196/6197/6198) Detailed assembly instructions for Mantra lighting fixtures, including models 6196, 6197, and 6198. Covers ceiling mounting, wiring, and bulb installation for 220-240V E27 LED lamps.
	Mantra Ceiling Fan Assembly Instructions Step-by-step assembly instructions for Mantra ceiling fans, including model numbers 7530/7531 and 7532/7533. Details on motor wattage, LED specifications, and energy efficiency.
	Mantra LED Light Assembly Instructions Detailed assembly instructions for Mantra LED light fixtures, model numbers 7966, 7967, and 7968. Includes technical specifications and energy efficiency information.
	Mantra Ceiling Fan Assembly Instructions - Models 9046-9051 Detailed, step-by-step assembly instructions for Mantra ceiling fan models 9046 through 9051. Includes parts identification, installation, wiring, and safety guidelines.
	Mantra 6280/6710/8487 Track Light Assembly Instructions Detailed assembly and installation guide for the Mantra 6280/6710/8487 track light fixture, including electrical connection and bulb fitting instructions.