FeiTian BR500-C45F

FEITIAN bR500-C45F USB Smart Card Reader - User Manual

Contactless with Bluetooth - Compatible with Mobile Devices and Computers

1. INTRODUCTION

The FEITIAN bR500-C45F is a versatile and portable smart card reader designed for secure ID authentication, e-payment, and access control. It supports both USB and Bluetooth connectivity, making it compatible with a wide range of devices including mobile phones, tablets, and computers. This manual provides essential information for setting up, operating, and maintaining your bR500-C45F reader.

2. PRODUCT FEATURES

- **Plug and Play:** Easy setup with most operating systems.
- **Readily Compliant:** Meets industry standards for smart card reading.
- **Suits Any Application:** Ideal for secure ID authentication, e-payment, and access control.
- **High Reliability:** Meantime Between Failure (MTBF) of 500,000 hours.
- **Long Battery Life:** Equipped with a 350mAh Li Battery, providing over a week of normal usage.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- FEITIAN bR500-C45F Smart Card Reader
- USB Charging/Data Cable

Figure 3.1: FEITIAN bR500-C45F Smart Card Reader and USB cable as packaged.

4. SETUP

4.1 Initial Charging

Before first use, it is recommended to fully charge the bR500-C45F. Connect the provided USB cable to the reader's port and the other end to a USB power source (e.g., computer USB port, USB wall adapter).

Figure 4.1: Connecting the bR500-C45F to a USB power source.

4.2 Connecting via USB

For direct connection to a computer, simply plug the USB cable into the reader and then into an available USB port on your computer. The device is designed to be Plug and Play, and necessary drivers should install automatically.

4.3 Connecting via Bluetooth

1. Ensure the bR500-C45F is charged.

2. Turn on the reader (if applicable, refer to device indicators for power status).

3. Enable Bluetooth on your mobile device or computer.

4. Search for available Bluetooth devices. The reader should appear as 'FEITIAN bR500-C45F' or similar.

5. Select the reader to pair. Follow any on-screen prompts for pairing codes if required (typically 0000 or 1234).

5. OPERATING INSTRUCTIONS

5.1 Reading Contactless Smart Cards

The bR500-C45F is designed for contactless smart card operations. To read a card, hold the smart card directly over the designated contactless symbol on the reader's surface. Ensure the card is flat against the reader for optimal communication.

Figure 5.1: Front view of the bR500-C45F, showing the contactless reading area.

5.2 Software Compatibility

This reader is compatible with various applications requiring secure ID authentication, e-payment, and access control. Ensure that the software you are using supports standard smart card reader protocols (e.g., PC/SC). For mobile use, specific applications may be required to interface with the reader via Bluetooth.

6. MAINTENANCE

6.1 Cleaning

To clean the device, use a soft, dry cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the surface and internal components.

6.2 Battery Care

To prolong battery life, avoid exposing the device to extreme temperatures. If storing the device for an extended period, ensure it has a partial charge (around 50%) and recharge it periodically.
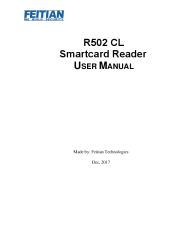
7. TROUBLESHOOTING

- **Device Not Connecting:**

  - Ensure the device is charged.
  - For USB, try a different USB port or cable.
  - For Bluetooth, ensure Bluetooth is enabled on your host device and the reader is in pairing mode. Try unpairing and re-pairing.

- **Card Not Reading:**

  - Ensure the card is placed correctly over the contactless symbol.
  - Verify the card type is supported by the reader and your application.
  - Ensure the reader's firmware is up to date (check manufacturer's website).

- **Software Issues:**

  - Ensure your application software is compatible with the bR500-C45F.
  - Check for updated drivers or software from the manufacturer.

8. SPECIFICATIONS

Feature	Specification
Model Number	BR500-C45F
Dimensions (LxWxH)	3.66 x 2.52 x 0.28 inches
Item Weight	1.16 ounces
Connectivity Technology	Bluetooth, USB
Battery	1 Lithium Ion battery (350mAh)
MTBF	500,000 hours

Figure 8.1: Back view of the bR500-C45F with regulatory markings.

Figure 8.2: Product box rear, listing key specifications and manufacturer contact.

9. WARRANTY AND SUPPORT

For warranty information, technical support, and the latest drivers or firmware updates, please visit the official FEITIAN website:

http://ftsafe.com/

Please retain your proof of purchase for warranty claims.

Related Documents - BR500-C45F

[FEITIAN M200 Unattended Android POS Terminal | Specifications & Features](#)
FEITIAN M200 is a robust unattended Android POS terminal designed for diverse retail, hospitality, and service environments. It features Android 11, a 5.0" HD display, 2MP camera, and supports MSR, IC, NFC, and QR code payments. With IP65 and IK08 ratings, it offers durability for demanding applications.

	FEITIAN R502 CL Smartcard Reader User Manual User manual for the FEITIAN R502 CL Smartcard Reader. Details specifications, features, applications, firmware updates, and troubleshooting for this high-speed contactless reader by Feitian Technologies.
	FEITIAN F210 Smart Payment Terminal: Features, Specifications, and Options Explore the FEITIAN F210, a versatile Smart Payment Terminal running Android 12. Discover its comprehensive features, technical specifications, connectivity options, and available accessories for retail, restaurant, and other business applications.
	FEITIAN BioPass FIDO2 Security Key User Manual Comprehensive user manual for the FEITIAN BioPass FIDO2 Security Key, detailing its features, setup, fingerprint enrollment, PIN management, and technical specifications.
	Feitian F20 FP Introduction and Specifications An introduction to the Feitian F20 FP, a smart mobile POS product with PCI PTS5.1 certification, detailing its features, specifications, installation, and troubleshooting.
	FEITIAN ePass FIDO® -NFC & MultiPass FIDO® Security Key User Manual User manual for FEITIAN ePass FIDO® -NFC and MultiPass FIDO® Security Keys, covering setup, registration for Google 2-Step Verification and Advanced Protection Program, and authentication via USB, Bluetooth, and NFC.

Documents - FeiTian – BR500-C45F

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