Anviz VF10

ANVIZ VF10 Biometric and PIN Access Control Device User Manual

Model: VF10

1. INTRODUCTION

The ANVIZ VF10 is a compact and versatile biometric access control and time attendance terminal designed for efficient security and workforce management. It integrates fingerprint recognition and PIN authentication methods, offering robust security with ease of use. The device supports multiple communication interfaces, including TCP/IP, Mini USB, RS485, and Wiegand Out, allowing for flexible integration into various security systems.

This manual provides detailed instructions for the installation, configuration, and operation of your ANVIZ VF10 device. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

2. SAFETY INFORMATION

- Ensure the power supply used is DC12V and meets the device's power requirements. An incorrect power supply can damage the device.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight unless protected by an optional waterproof casing (IP53 rated).
- Avoid installing the device in areas with strong electromagnetic interference.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the fingerprint sensor clean and dry for optimal performance.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition. The standard package typically includes:

- ANVIZ VF10 Biometric Terminal
- Mounting accessories (screws, wall plugs)
- Connection cables (e.g., for power, network, door lock)
- Quick Start Guide (if applicable)
- *Note: The DC12V power supply is not included and must be purchased separately.*

4. DEVICE OVERVIEW

Familiarize yourself with the main components of the ANVIZ VF10 device.

4.1 Front View

Figure 4.1: ANVIZ VF10 Front View. This image displays the front of the ANVIZ VF10 device, featuring a white LCD screen showing time,

The front panel includes the LCD display, keypad, and fingerprint sensor. The LCD shows operational status, time, date, and menu options. The keypad is used for PIN entry and menu navigation. The fingerprint sensor is for biometric authentication.

4.2 Angled View

Figure 4.2: ANVIZ VF10 Angled View. This image provides an angled perspective of the ANVIZ VF10, highlighting its ergonomic design and the placement of the LCD screen, keypad, and fingerprint sensor. The device's depth is visible, suggesting a compact form factor

suitable for wall mounting.

4.3 Side View

Figure 4.3: ANVIZ VF10 Side View. This image shows the ANVIZ VF10 from a side angle, emphasizing its slim profile. This view helps in

4.4 Ports and Connections

The ANVIZ VF10 features various ports for communication and integration:

- **TCP/IP (Ethernet):** For network connectivity and communication with management software.
- **Mini USB:** For local data transfer and firmware updates.
- **RS485:** For connecting to external slave readers (e.g., ANVIZ T5S biometric or RFID readers) or other compatible devices.
- **Wiegand Out:** For connecting to a remote relay (e.g., ANVIZ SC011) or third-party access control panels.
- **Relay Output:** For direct control of a door lock or gate.
- **Power Input:** For DC12V power supply.

5. INSTALLATION

Proper installation is crucial for the device's performance and longevity. It is recommended to have a qualified technician perform the installation.

5.1 Mounting the Device

1. Choose a suitable location on a wall, ensuring it is at an appropriate height for all users to comfortably access the fingerprint sensor and keypad.
2. Use the provided mounting template (if available) to mark the drilling points on the wall.
3. Drill holes and insert wall plugs.
4. Secure the mounting bracket (if separate) or the device directly to the wall using the screws.

5.2 Wiring Connections

Before making any connections, ensure the power supply is disconnected.

- **Power Connection:** Connect the DC12V power supply to the designated power input terminals. Observe polarity.
- **Network Connection (TCP/IP):** Connect an Ethernet cable from your network switch/router to the device's RJ45 port.
- **Door Lock Connection:** Connect the device's relay output to your electric door lock. Consult the door lock's manual for specific wiring diagrams (e.g., NO/NC connections).
- **RS485 Connection:** If connecting a slave reader (e.g., T5S), connect the RS485 A and B terminals of the VF10 to the corresponding A and B terminals of the slave reader.
- **Wiegand Out Connection:** If connecting to a remote relay (e.g., SC011) or an access control panel, connect the Wiegand Data 0, Data 1, and Ground terminals.

Always refer to the detailed wiring diagram provided in the full product manual for precise connections.

6. INITIAL SETUP

After successful installation and wiring, power on the device using the power button. The device will boot up and display the main interface.

6.1 Basic Configuration

1. **Language Selection:** Navigate through the menu to select your preferred language (Italian, German, English, Turkish).

2. **Date and Time:** Set the correct date and time for accurate attendance records.

3. **Network Settings:** Configure the device's IP address, subnet mask, and gateway if using TCP/IP communication. This can be done manually or via DHCP.

4. **Administrator Setup:** It is highly recommended to register at least one administrator fingerprint and/or PIN immediately to secure the device and access advanced settings.

7. USER MANAGEMENT

The VF10 can store up to 1000 users and 1000 fingerprints. User management is typically performed through the device's menu or via the CrossChex software.

7.1 Adding a New User

1. Access the main menu (usually by pressing 'M' or 'OK' and entering administrator credentials).

2. Navigate to "User Management" or "Add User".

3. Enter a unique User ID.

4. **Register Fingerprint:** Place the user's finger on the sensor three times, lifting it slightly between each scan, until successful registration is confirmed.

5. **Set PIN (Password):** Enter a numeric PIN for the user.

6. Assign user roles (e.g., normal user, administrator).

7. Save the user information.

7.2 Deleting a User

From the "User Management" menu, select "Delete User", choose the User ID, and confirm the deletion.

8. OPERATION

The ANVIZ VF10 supports fingerprint and ID+PIN authentication for access control and time attendance.

8.1 Fingerprint Authentication

1. Place a registered finger flat on the fingerprint sensor.

2. The device will verify the fingerprint. A successful verification will be indicated by a visual and/or audible prompt, and the door will unlock (if connected).

8.2 ID + PIN Authentication

1. Enter your User ID using the keypad.

2. Press the 'OK' button.

3. Enter your registered PIN.

4. Press the 'OK' button. A successful verification will be indicated, and the door will unlock.

8.3 Clocking In/Out

Use the 'IN' and 'OUT' buttons on the keypad before performing authentication to record attendance events. For example, press 'IN', then authenticate with fingerprint or PIN.
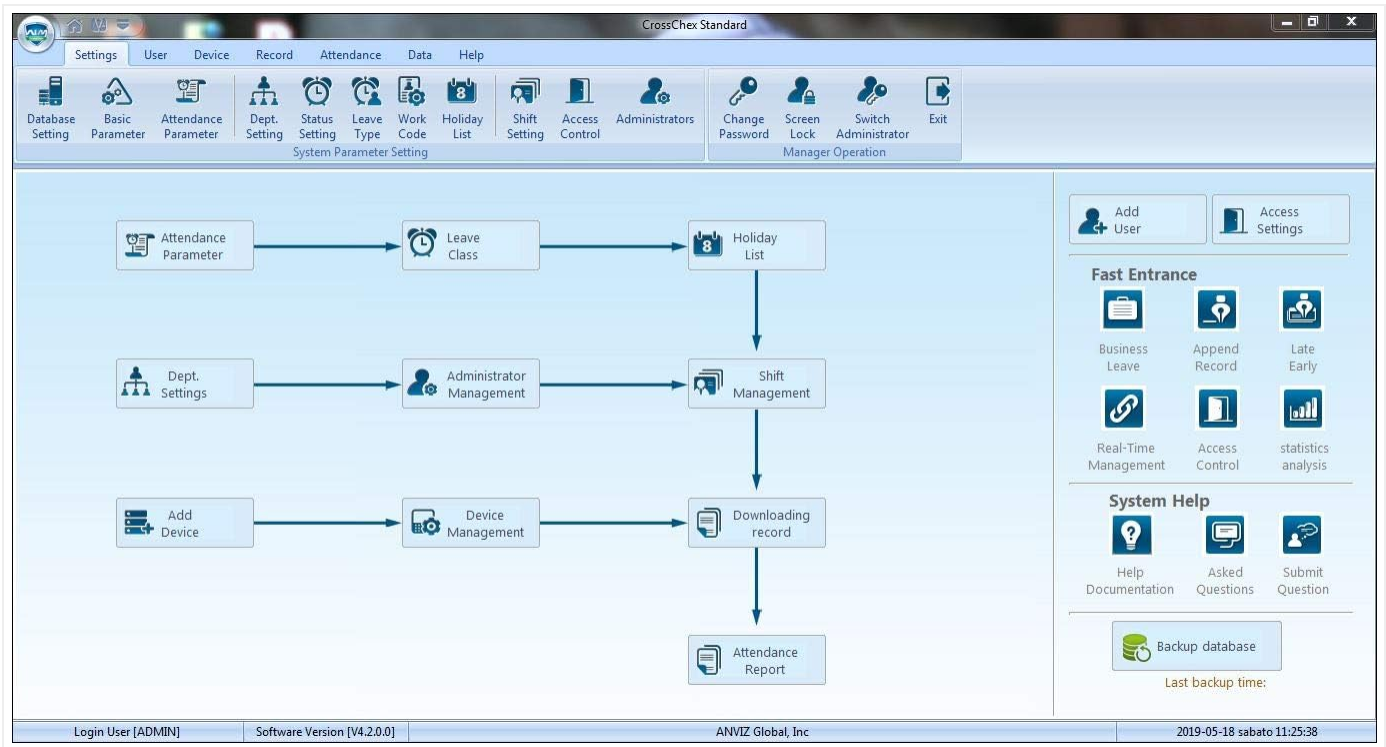
8.4 Viewing Records

The device allows viewing of attendance records directly on the LCD screen. Navigate through the menu to "View Records" or "Attendance Logs". The device can store up to 50,000 log records.

9. SOFTWARE INTEGRATION (CROSSCHEX)

The ANVIZ VF10 integrates with ANVIZ CrossChex software for comprehensive management of users, devices, attendance data, and reporting.
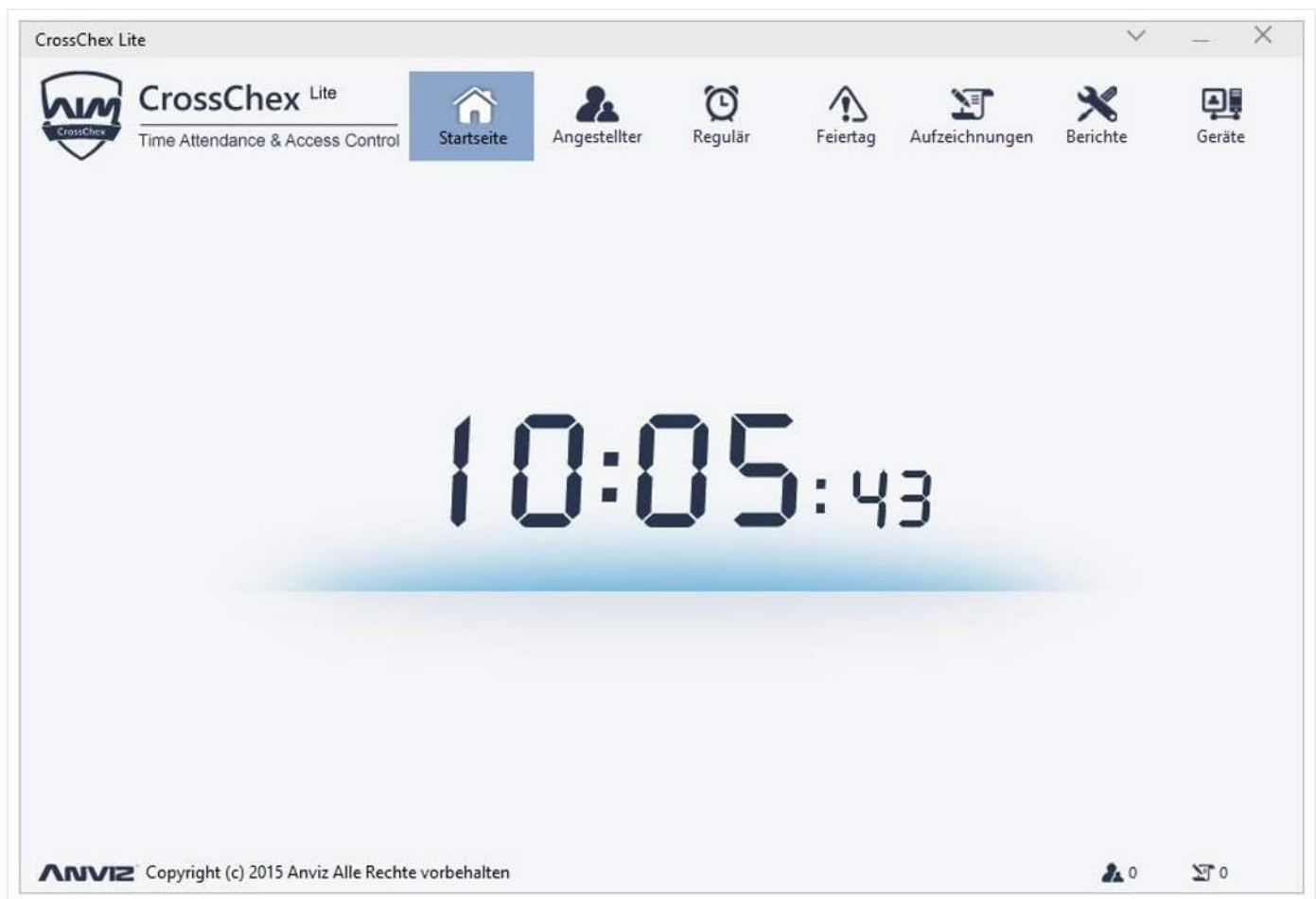
9.1 CrossChex Standard Software

Figure 9.1: CrossChex Standard Software Interface (English). This screenshot illustrates the main dashboard of the CrossChex Standard software, showing a flowchart of system parameters, user management, device management, and attendance reporting. Key functions like "Add User", "Access Settings", "Real-Time Management", and "Attendance Report" are visible.

CrossChex Standard provides advanced features for managing multiple devices, complex shift schedules, access rules, and detailed attendance reports. It allows for centralized user enrollment and data synchronization.

9.2 CrossChex Lite Software

Figure 9.2: CrossChex Lite Software Interface (German). This image shows the simplified interface of CrossChex Lite, primarily displaying a large digital clock. This version is suitable for basic time attendance and access control needs.

CrossChex Lite is a streamlined version for basic time attendance and access control functions. It is suitable for smaller installations or simpler requirements.

9.3 Data Download and Reporting

Connect the VF10 to the CrossChex software via TCP/IP or Mini USB to download attendance logs and user data. The software can then generate various reports, including daily, weekly, and monthly attendance summaries, late arrivals, early departures, and overtime.

10. MAINTENANCE

- **Cleaning:** Gently wipe the fingerprint sensor and LCD screen with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Data Backup:** Regularly back up attendance records and user data using the CrossChex software to prevent data loss. The device has a lithium battery for data storage during power outages, but regular backups are still recommended.
- **Firmware Updates:** Check the ANVIZ official website for available firmware updates to ensure optimal performance and access to new features. Follow the provided instructions carefully for firmware upgrades.

11. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Device does not power on.	No power supply or incorrect connection.	Ensure DC12V power supply is connected correctly and is functional. Check the power button.
Fingerprint recognition fails frequently.	Fingerprint sensor is dirty or wet; finger is not placed correctly; poor quality enrollment.	Clean the sensor. Ensure finger is dry and placed flat. Re-enroll fingerprint if issues persist.
Cannot connect to network (TCP/IP).	Incorrect IP settings; network cable issue; firewall blocking connection.	Verify IP address, subnet mask, and gateway. Check network cable. Temporarily disable firewall for testing.
Door does not unlock after successful authentication.	Incorrect wiring to door lock; door lock malfunction; relay settings incorrect.	Check door lock wiring (NO/NC). Test door lock independently. Verify relay settings in device menu.
Cannot access menu as administrator.	Incorrect administrator fingerprint/PIN; no administrator registered.	Ensure correct administrator credentials. If no admin is set, follow instructions for initial admin setup (if available, usually a master password or reset procedure).

12. SPECIFICATIONS

Feature	Description
Model	VF10
User Capacity	1,000
Fingerprint Capacity	1,000
Log Capacity	50,000 records
Authentication Methods	Fingerprint (FP), ID + Password (ID+PW)
Display	128x64 White LCD
Communication	TCP/IP, Mini USB, RS485, Wiegand Out
Relay	For door opener / gate control
Data Storage	Lithium battery for data retention
Firmware Languages	Italian, German, English, Turkish
Dimensions (H x W x D)	180 mm x 80 mm x 40 mm
Operating Temperature	-30°C ~ 60°C
Protection Rating	IP53 (optional with waterproof casing)
Certifications	FCC / CE
Power Supply	DC12V (not included)

13. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official ANVIZ website.
Technical support is available through ANVIZ authorized distributors and service centers. Please have your product model and serial number ready when contacting support.
For further assistance, you may visit the ANVIZ Official Website or contact your local dealer.

Related Documents

	Anviz C2 Pro User Manual: Fingerprint and Card Time Attendance System Comprehensive user manual for the Anviz C2 Pro, detailing its features, operation, software installation, and management for fingerprint and card-based time attendance and access control.
	Anviz GC100/GC150 Quick Guide: Installation, Setup, and Operation Anviz GC100/GC150 Quick Guide provides comprehensive instructions for installing, setting up, and operating these fingerprint time attendance and access control systems. It details hardware safety, device operation, user registration, network configuration (Ethernet and WiFi), and access control wiring for the GC150 model, including integration with the Anviz SC011. Also covers software downloads and support contact information.
	Anviz W1 Pro Fingerprint & Card Time Clock User Guide User guide for the Anviz W1 Pro Fingerprint & Card Time Clock, covering setup, cloud integration, installation, and support.
	Anviz Time and Attendance Systems Price List A comprehensive price list for Anviz time and attendance systems, including models like C2, C2C, D200, OA1000, T50M, T60+, TC550, VF30, VP30, and ZKTeco iClock360 and U160 series. Details features, technical specifications, and contact information for ЗАО "Вива-Телеком".

Documents - Anviz – VF10

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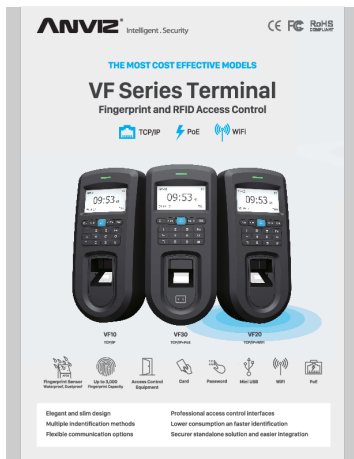lang:en score:25 filesize: 7.53 M page_count: 4 document date: 2018-08-03

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