**MENGQI-CONTROL 1 Door Panel & Power Box**

# MENGQI-CONTROL Single Door Access Control System

Model: 1 Door Panel & Power Box

## 1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the MENGQI-CONTROL Single Door Access Control System. This system is designed to manage access for a single door, offering robust security features and flexible control options. It is a core component of a comprehensive access control solution.

## 2. Product Overview and Components

The MENGQI-CONTROL Single Door Access Control System includes the following main components:

- 1x 1-Door Network Access Control Panel Controller
- 1x Power Supply Box (110-240V input, 5A output, also serves as the cabinet for the control board)
- 1x English User Manual (this document)
- 1x Software CD Disk (includes software, video guide, and wire diagram)




Figure 2.1: Main components of the MENGQI-CONTROL Single Door Access Control System, showing the control board and the power supply box.

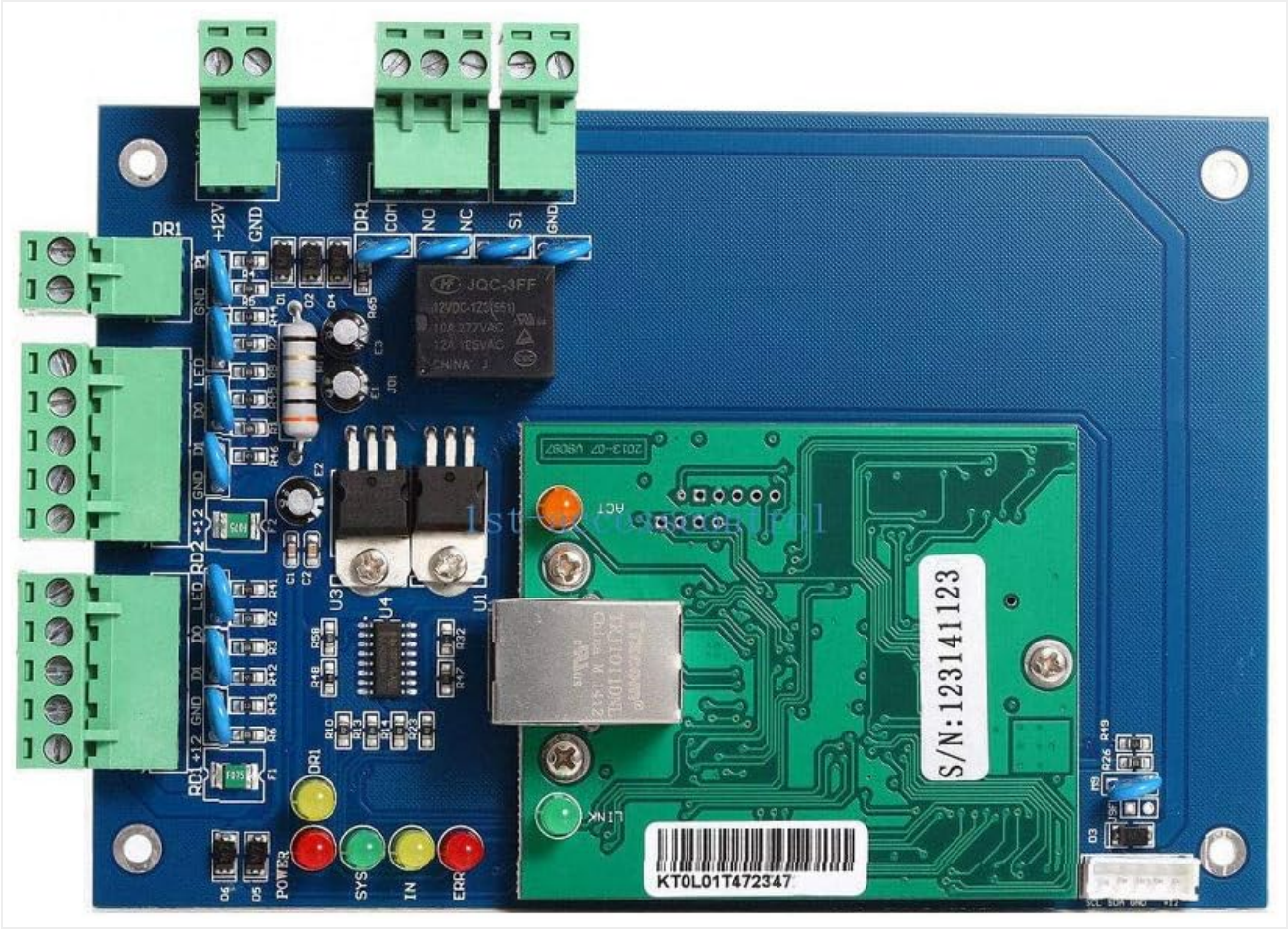


Figure 2.2: Detailed view of the access control board, highlighting connection terminals and network port.

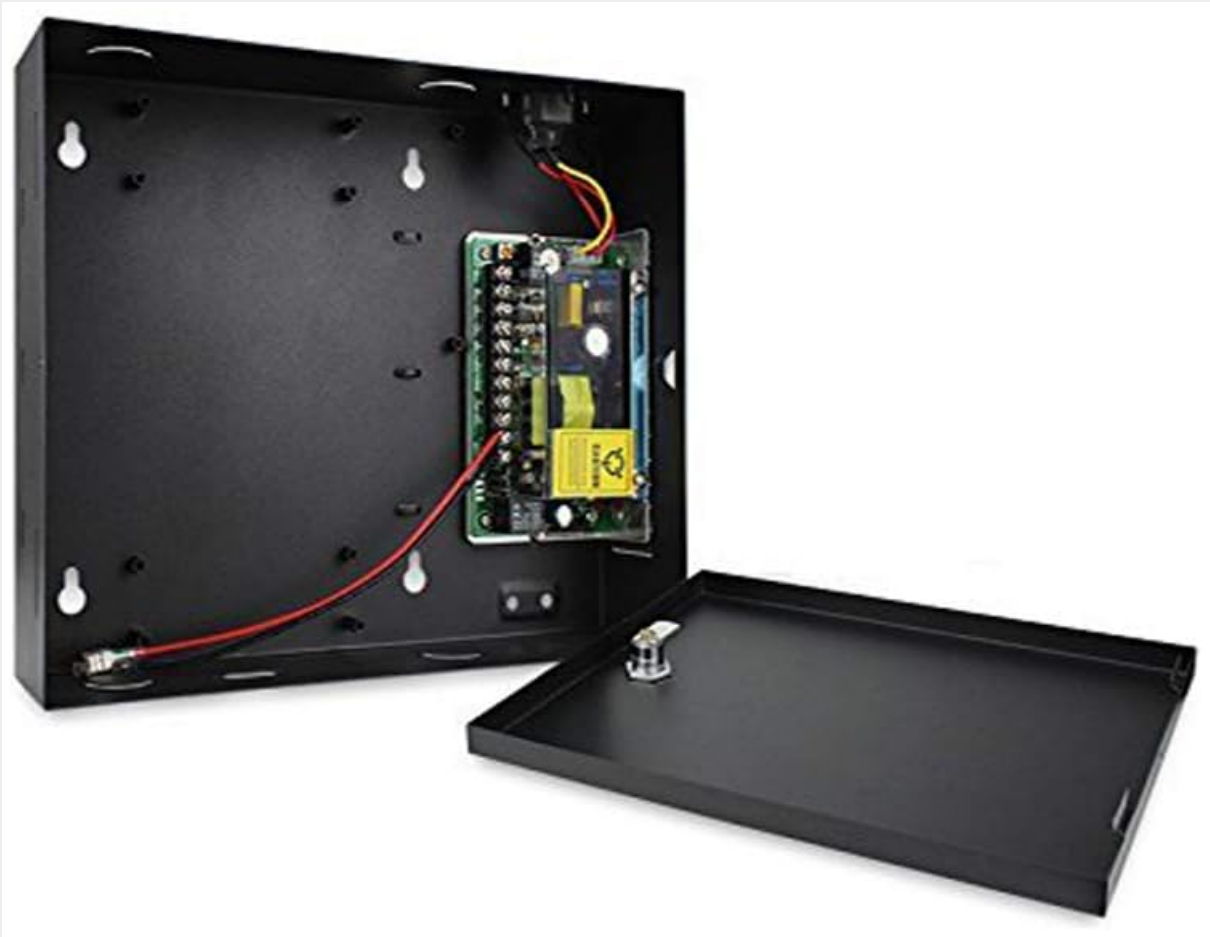


Figure 2.3: The power supply box with its internal components, including the power board and wiring.

## 3. System Features

The MENGQI-CONTROL Access Control System offers a range of features for secure and flexible door management:

- **Single Door Control:** Manages access for one door, supporting entry by card swipe and exit by exit button or card swipe.
- **User Capacity:** Supports up to 20,000 users.
- **Record Capacity:** Stores up to 100,000 entry/exit records.
- **Time-Based Access:** Allows setting specific times for automatic door opening/closing on any day.
- **Authorized Access Control:** Define who can access which door at specific times.
- **Extended Open Function:** Swipe a card 4 times continuously to keep the door open.
- **Software Management:** Easily add, delete, activate, or deactivate users via the Windows-based management software.
- **Expiration Dates:** Set expiry dates/times for user access privileges.
- **Lost Card Processing:** Efficiently manage and process lost cards or key fobs.
- **Network Communication:** Utilizes TCP/IP for reliable communication.
- **Software Compatibility:** Supports Windows 7/8/10 (both 32-bit and 64-bit systems).*Note: Mac operating systems are not supported.*
- **Standalone Operation:** Once programmed, the system operates independently without continuous connection to a computer or network.
- **Remote Access:** Supports a phone application for local or remote door unlocking.

Video 3.1: An overview of the access control system's software features and capabilities, including user management and time-based access.

## 4. Setup

Proper installation is crucial for the optimal performance and security of your access control system. It is recommended that installation be performed by a qualified technician.

### 4.1. Software Installation

1. Insert the provided CD Disk into a Windows-based computer.
2. Follow the on-screen instructions to install the management software. Ensure your computer meets the system requirements (Windows 7/8/10, 32-bit or 64-bit).
3. After installation, launch the software. Refer to the software's internal help or the video guide on the CD for initial configuration.

**Important: The software is Windows-based and does not support Mac operating systems. A Windows computer/laptop is required for programming and management.**

### 4.2. Hardware Installation

1. Mount the power supply box in a secure, dry location near the door to be controlled. The box also houses the control board.
2. Connect the 110-240V AC power input to the power supply unit within the box.
3. Connect the access control board to the power supply unit.
4. Wire the door lock, card reader(s), and exit button to the appropriate terminals on the control board. Refer to the detailed wire diagram provided on the CD Disk for specific connections.
5. Connect the control board to your network via the TCP/IP port.

For detailed wiring instructions, consult the wire diagram and video guide included on the software CD. Ensure all connections are secure and correctly polarized to prevent damage.

## 5. Operating Instructions

Once the system is installed and configured, it can be operated through various methods:

### 5.1. Card/Key Fob Access

Users with registered cards or key fobs can gain entry by swiping their credential at the installed card reader. To exit, use the designated exit button or swipe the card/key fob at an exit reader (if installed).

### 5.2. Software Management

The Windows-based management software provides comprehensive control over the system:

- **User Enrollment:** Add new users and assign them unique access credentials (cards/key fobs).
- **Access Permissions:** Configure access rights for individual users or groups, specifying which doors they can access and during what time periods.
- **Time Schedules:** Set up daily or weekly schedules for automatic door unlocking/locking, or for specific access restrictions.
- **Event Monitoring:** View and export detailed entry and exit records, including user ID, door, and timestamp.

- **Lost Credential Management:** Deactivate lost or stolen cards/key fobs to maintain security.

### 5.3. Remote Access (Phone App)

The system supports a phone application for remote door control. Install the app on your smartphone and configure it to connect to your access control system. This allows for local or remote unlocking of the door.

## 6. Maintenance

Regular maintenance ensures the longevity and reliable operation of your access control system:

- **Software Updates:** Periodically check for and install any available software updates to ensure optimal performance and security.
- **Data Backup:** Regularly back up your user data and access logs from the management software.
- **Physical Inspection:** Inspect wiring and connections for any signs of wear or damage. Ensure the power supply box is securely closed and free from environmental hazards.
- **Credential Management:** Periodically review user access rights and deactivate credentials for former employees or unauthorized individuals.

## 7. Troubleshooting

This section addresses common issues you might encounter with the access control system.

### 7.1. No Power to System

- **Check Power Source:** Ensure the 110-240V AC power supply is connected and active.
- **Inspect Wiring:** Verify all power connections within the power supply box and to the control board are secure.
- **Power Supply Unit:** Check the indicator lights on the power supply unit for proper operation.

### 7.2. Card Reader Not Responding

- **Check Wiring:** Ensure the card reader is correctly wired to the control board.
- **Reader Status:** Observe any indicator lights on the reader.
- **Card Enrollment:** Verify the card or key fob is properly enrolled in the system and has active access privileges.

### 7.3. Software Cannot Connect to Control Panel

- **Network Connection:** Ensure the control panel is physically connected to the network and the network cable is functional.
- **IP Address:** Verify the control panel's IP address is correctly configured and accessible on the network.
- **Firewall Settings:** Check your computer's firewall settings. The access control software may require specific firewall exceptions to communicate with the panel.
- **Software Running:** Ensure the management software is running on your computer.

### 7.4. Door Does Not Unlock

- **Valid Credential:** Confirm the card/key fob used is valid and assigned to the user.
- **Access Schedule:** Check if the current time falls within the user's or door's allowed access schedule.
- **Lock Wiring:** Inspect the wiring to the door lock for any disconnections or damage.
- **Power to Lock:** Ensure the lock is receiving adequate power from the control board or auxiliary power supply.

## 8. Specifications

| Feature | Specification |
|---|---|
| Brand | MENGQI-CONTROL |
| Model | 1 Door Panel & Power Box |
| Item Model Number | 29a7b822-924d-492e-b7ad-14f8335f18e4 |
| Power Source | Corded Electric (110-240V input, 5A output) |
| Compatible Devices | Personal Computer (Windows OS) |
| Connectivity Technology | Wired (TCP/IP) |
| Installation Type | Screw-In |
| Alert Type | Entry |
| Control Method | Remote, Software |
| Item Weight | 4.14 pounds (1.88 Kilograms) |
| Package Dimensions | 11.69 x 9.57 x 3.03 inches |

## 9. Warranty and Support

MENGQI-CONTROL is committed to providing quality products and excellent customer service. We have over 20 years of experience in security solutions.
For technical assistance, troubleshooting, or any questions regarding your access control system, please contact our support team. Our technical support is available to assist you.
Please refer to your purchase documentation for specific warranty details. For direct support, contact the seller, SecureLife4you Security Control.


### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

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**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question