

MENGQI-CONTROL 1to3Patrol

MENGQI-CONTROL DS1990A iButton Guard Tour Patrol System (3 Wand Kit) Instruction Manual

Model: 1to3Patrol | Brand: MENGQI-CONTROL

1. INTRODUCTION

The MENGQI-CONTROL DS1990A iButton Guard Tour Patrol System is designed for efficient and reliable security patrol monitoring. This 3-wand kit provides a robust solution for tracking guard tours, ensuring accountability and accurate record-keeping. The system features durable components and user-friendly software for comprehensive management.

Key Features:

- **Durable Construction:** The contact guard tour system features a durable alloy case, making it waterproof and drop-proof for use in harsh environments.
- **High Storage Capacity:** Stores up to 10,000 records, ensuring ample data retention for extensive patrol routes.
- **Long Battery Life:** Low power consumption supports up to 350,000 continuous readings. Includes automatic alarm for full charge or low power.
- **Windows-Compatible Software:** Easy-to-use software for data download and system setup. Note: Software supports Windows systems (32-bit & 64-bit) but does not support Apple MAC systems.
- **USB Communication:** Data downloader connects via USB for convenient data transfer.

2. KIT CONTENTS

Your MENGQI-CONTROL DS1990A iButton Guard Tour Patrol System (3 Wand Kit) includes the following components:

- 3 x Wand Readers
- 1 x Data Downloader
- 20 x Check Points (iButtons)

- 1 x USB Cable
- 1 x Carrying Bag



Figure 1: Overview of the MENGQI-CONTROL DS1990A iButton Guard Tour Patrol System components, including wand reader, data downloader, USB cable, and iButton checkpoints.



Figure 2: The complete kit, showing three wand readers, the data downloader, multiple iButton checkpoints, and accessories.

3. SETUP

3.1. Installing Checkpoints

Strategically install the iButton checkpoints at designated patrol locations. These buttons do not require batteries or wiring, offering flexibility in placement.



Figure 3: Example of iButton checkpoints labeled for different locations (e.g., Gate Door, Elevator Door, Manager Office Door, Top Floor Door).

3.2. Software Installation and Checkpoint Enrollment

The system software is Windows-based. Ensure you have a compatible Windows computer or laptop for setup and data management. If you only use Mac, this product is not compatible.

1. Connect the data downloader to your computer using the provided USB cable.
2. Insert a wand reader into the data downloader.
3. Open the Guard Tour System software on your computer.
4. Navigate to 'Basic Setup' and then 'Checkpoint'.
5. Click 'Download Data' to retrieve the IDs of the iButton checkpoints.
6. Select each checkpoint ID and click 'Modify' to assign a descriptive name (e.g., 'Gate Door', 'Elevator Door'). Save your changes.



Figure 4: The data downloader connected to a computer via USB cable, ready for software interaction.



Figure 5: A wand reader inserted into the data downloader, with 'Receive', 'Transmit', and 'Power' indicator lights.

Video Guide: Checkpoint Programming

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Video 1: This video demonstrates the process of programming checkpoints within the Guard Tour System software. It shows how to connect the wand reader to the downloader, download checkpoint data, and assign names to each checkpoint for different locations.

4. OPERATING INSTRUCTIONS

4.1. Performing a Patrol

During a patrol, the guard uses the wand reader to touch each iButton checkpoint sequentially. When the wand reader successfully reads a checkpoint, it will typically flash a red light or emit a beep, indicating the record has been captured.



Figure 6: A guard using the wand reader to touch an iButton checkpoint, recording the patrol event.



Figure 7: The ergonomic design of the wand reader, held comfortably in hand for ease of use during patrols.

4.2. Downloading Patrol Records

After completing a patrol, connect the wand reader to the data downloader, and then connect the downloader to the computer. Use the software to download the patrol records. The software will list detailed records including patrol time, reader number, person, checkpoint, and event.

Video Guide: Patrol and Data Download

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Video 2: This video illustrates the full process of conducting a patrol using the wand reader and iButton checkpoints, followed by downloading the recorded data to the computer software for review.

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Video 3: A demonstration of the Guard Tour Security Patrol Checkpoint iButton system, showing how to read checkpoints and then download the detailed patrol records into the software.

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Video 4: This video provides a comprehensive overview of the iButton Guard Tour Guard Patrol System, detailing its features and operational workflow from patrol execution to data retrieval.

5. MAINTENANCE

5.1. Cleaning

Wipe the wand readers and data downloader with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials that could damage the devices.

5.2. Battery Care

The wand reader is equipped with a long-life battery. Recharge the device using the provided USB cable when the low power alarm is triggered. Avoid overcharging or completely draining the battery for extended periods to prolong its lifespan.

5.3. Storage

Store the system components in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided carrying bag for safe transport and storage.



Figure 8: The wand reader is designed to be waterproof, allowing for reliable operation even in challenging weather conditions or wet environments.

6. TROUBLESHOOTING

6.1. Software Not Working

Ensure the software is installed on a Windows operating system (32-bit or 64-bit). Verify that the USB cable is securely connected between the data downloader and the computer. If issues persist, refer to the video guide for software setup or contact customer support.

6.2. Wand Reader Not Recording

Check if the wand reader battery is charged. Ensure proper contact between the wand reader and the iButton checkpoint. A red light flash or beep indicates a successful read. If no indication, try cleaning the contact points on both the wand and the iButton.

6.3. Data Download Failure

Confirm the wand reader is correctly inserted into the data downloader and the downloader is connected to the computer. Restart the software and try downloading again. Ensure no other applications are interfering with the USB connection.

7. SPECIFICATIONS

Feature	Detail
Brand	MENGQI-CONTROL
Model Number	1to3Patrol

Feature	Detail
Color	Black, Silver, Red
Power Source	Battery Powered, Corded Electric, USB Cable
Compatible Devices	Personal Computer (Windows OS only)
Item Dimensions (L x W x H)	9.84 x 7.87 x 3.15 inches
Connectivity Technology	Wired (USB)
Item Weight	2.4 pounds (1.09 Kilograms)
Voltage	6 Volts
Battery Cell Composition	Lithium Polymer
Batteries Included?	Yes (3 Lithium Metal batteries)
Recommended Uses	Home Security, Guard Patrol, Checkpoint Monitoring
Included Components	Bag
Unit Count	3.0 Count (Wand Readers)
Sensor Technology	RFID (iButton contact)
Manufacturer	SecureControl

8. WARRANTY & SUPPORT

For any questions or technical assistance, please contact MENGQI-CONTROL customer support. Many users have reported positive experiences with their support team, noting prompt and helpful remote assistance for software setup and other issues.

Additional protection plans may be available for purchase, offering extended coverage beyond the standard manufacturer's warranty. Please refer to your purchase documentation for details on available protection plans and return policies.