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› Montavue 16 Channel Commercial Security System (Model MTIP8163-16BW) User Manual

Montavue MTIP8163-16BW

Montavue 16 Channel Commercial Security System User Manual

Model: MTIP8163-16BW

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Montavue 16 Channel Commercial Security System. This system is designed for comprehensive surveillance, offering high-resolution video recording and remote access capabilities. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact Montavue support.

- 1 x 16 Channel Network Video Recorder (NVR) (Model: MNR8160-16)
- 4MP 2K AI Smart Motion Bullet Cameras with built-in microphone (Model: MTB4102) - *Quantity varies by system configuration*
- 100ft Ethernet cable for each camera
- 1 x HDMI cable
- 1 x USB mouse
- 3TB pre-installed security-grade Hard Disk Drive (HDD)
- Power adapter for NVR
- Mounting hardware for cameras

3. SYSTEM SETUP

Follow these steps to set up your Montavue security system.

3.1 NVR Connection

1. **Connect Monitor:** Connect the NVR to a monitor using the provided HDMI cable.
2. **Connect Mouse:** Plug the USB mouse into a USB port on the NVR.
3. **Connect Network:** Connect the NVR's LAN port to your router or network switch using an Ethernet cable. This is essential for remote access and firmware updates.
4. **Connect Power:** Plug the NVR's power adapter into the NVR and then into a power outlet. The NVR will power on automatically.



Image: Rear panel of the Montavue NVR, illustrating connection ports.

3.2 Camera Installation and Connection

1. **Mount Cameras:** Securely mount the bullet cameras in desired locations using the provided mounting hardware. Ensure the camera's field of view covers the intended surveillance area.
2. **Connect Cameras to NVR:** Connect each camera to an available PoE port on the NVR using the 100ft Ethernet cables. The NVR will provide power and data to the cameras via these cables.
3. **Adjust Camera Angle:** Once connected, adjust each camera's angle for optimal coverage.



Image: Montavue 4MP IP Bullet Camera (Side View).



Image: Montavue 4MP IP Bullet Camera (Front View).

3.3 Initial Setup Wizard

Upon first boot, the NVR will guide you through an initial setup wizard. Follow the on-screen prompts to:

- Create a strong password for the administrator account.
- Configure date and time settings.
- Set up network parameters (usually DHCP by default).
- Initialize the hard drive (if prompted).

3.4 MontavueGO Mobile App Setup

For remote viewing and control, download the free MontavueGO app from your smartphone's app store. Follow the in-app instructions to add your NVR by scanning the QR code displayed on the NVR's monitor or by manually entering its serial number.

4. OPERATING THE SYSTEM

This section covers basic operation of your Montavue security system.

4.1 Live View

After logging into the NVR, the system will display the live view of all connected cameras. You can switch between single-camera view, multi-camera grids, and customize the display layout using the on-screen controls or mouse right-click menu.

4.2 Recording

The NVR is pre-configured for continuous recording. You can adjust recording settings via the NVR's menu:

- **Continuous Recording:** Records 24/7.
- **Motion Detection Recording:** Records only when motion is detected by the cameras.
- **Schedule Recording:** Set specific times for different recording modes.

Access these settings under **Main Menu > Record > Record Schedule**.

4.3 Playback

To review recorded footage:

1. From the live view, right-click and select **Playback**.
2. Select the desired date and camera channel(s).
3. Use the timeline to navigate through recordings. Different colors on the timeline indicate different recording types (e.g., continuous, motion).

4.4 Motion Detection and AI Features

Your 4MP AI Smart Motion Bullet Cameras feature advanced motion detection. Configure these settings via **Main Menu > AI > Parameters** or **Main Menu > Event > Motion Detect**. You can set detection zones, sensitivity levels, and define actions upon detection (e.g., record, send notification).

4.5 Remote Access with MontavueGO

The MontavueGO app allows you to:

- View live camera feeds from anywhere.
- Play back recorded footage.

- Receive push notifications for motion events.
- Control NVR settings remotely.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your security system.

5.1 Hard Drive Management

The 3TB HDD will automatically overwrite the oldest footage when full. You can check the HDD status via **Main Menu > Storage > Disk Manage**. It is recommended to periodically back up important footage to an external USB drive or network storage.

5.2 Firmware Updates

Montavue regularly releases firmware updates to improve system performance and add new features. Check for updates via **Main Menu > System > Upgrade** or visit the Montavue support website. Ensure a stable internet connection during updates.

5.3 Cleaning Cameras

Periodically clean the camera lenses with a soft, damp cloth to remove dust, dirt, or water spots that may obstruct the view. Do not use harsh chemicals or abrasive materials.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

6.1 No Video Display

- **Check Power:** Ensure the NVR is powered on and the power adapter is securely connected.
- **Monitor Connection:** Verify the HDMI cable is securely connected to both the NVR and the monitor. Try a different HDMI port or cable if available.
- **Camera Connection:** For individual cameras, check if the Ethernet cable is properly connected to both the camera and the NVR's PoE port.
- **Camera Status:** Check the camera's status LED (if present) to ensure it is receiving power.

6.2 Remote Access Issues

- **Network Connection:** Ensure the NVR is connected to the internet and has a valid IP address (check **Main Menu > Network**).
- **MontavueGO App:** Verify your smartphone has a stable internet connection. Ensure the NVR is correctly added to the app.
- **Firewall/Router:** Check your router's firewall settings. Port forwarding may be required for certain network configurations, though Montavue systems often use P2P for easier setup.

6.3 Recording Problems

- **HDD Status:** Check the hard drive status in **Main Menu > Storage > Disk Manage**. Ensure it is initialized and healthy.
- **Recording Schedule:** Verify that the recording schedule is correctly configured for the desired channels and times.
- **Motion Detection Settings:** If using motion recording, ensure sensitivity and detection zones are properly set.

7. SPECIFICATIONS

Feature	Description
Brand	Montavue
Model Number	MTIP8163-16BW
Number of Channels	16
Camera Resolution	4MP (2K)
Connectivity Technology	Wired (PoE)
Memory Storage Capacity	3 TB HDD (expandable up to 20TB)
Special Feature	AI Smart Motion Detection, Built-in Microphone, Night Vision
Power Source	Corded Electric
Compatible Devices	Smartphones (via MontavueGO app)
Color	White
UPC	810049552107

8. WARRANTY INFORMATION

Your Montavue 16 Channel Commercial Security System comes with a standard **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. An option to purchase an extended 3 or 5-year warranty is available. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, visit the official Montavue website.

9. TECHNICAL SUPPORT

Montavue offers free U.S. based technical support to assist you with any questions or issues regarding your security system. Our support team can help with installation, configuration, troubleshooting, and general inquiries.

Contact Information:

Website: www.montavue.com/support

Phone: Refer to the Montavue website for the most current support phone number.

Email: Refer to the Montavue website for support email address.

When contacting support, please have your system's model number (MTIP8163-16BW) and purchase information ready.