Swann CONVR-B163MP-US

Swann 16 Channel 3MP HD Home Security NVR

Model: CONVR-B163MP-US

Brand: Swann

1. Introduction and Overview

This manual provides essential information for the setup, operation, and maintenance of your Swann 16 Channel 3MP HD Home Security NVR. This Network Video Recorder is designed to provide comprehensive surveillance for your home or business, offering high-definition recording and advanced features.

Key Features:

- Capable of recording in 3MP Super HD across all 16 channels, ensuring clear and detailed footage.
- Provides live full-screen video and playback in rich high definition, offering video 20 times sharper than most traditional DVRs and NVRs.
- Each channel is independently configurable, allowing for optimized recording duration and efficient H.264 video compression for fast recording and playback.
- Equipped with a pre-installed 3TB hard drive, specifically designed for surveillance, enabling up to 45 days of continuous recording (based on 15% motion events at lowest settings).

2. Package Contents

Please check the contents of your package carefully. While specific contents may vary by region or bundle, a typical package for the Swann 16 Channel 3MP HD Home Security NVR (CONVR-B163MP-US) usually includes:

- Swann 16 Channel 3MP HD NVR
- Power Adapter
- HDMI Cable
- Ethernet Cable
- USB Mouse
- Mounting Screws (for HDD, if applicable)
- Quick Start Guide
- Theft Deterrent Stickers

If any items are missing or damaged, please contact Swann customer support immediately.

3. Setup Guide

Follow these steps to set up your Swann NVR system.

3.1 NVR Front Panel



Figure 3.1: Front view of the Swann 16 Channel NVR. This image displays the front panel of the NVR unit, featuring the Swann logo, model designation "16 Channel 1080P Network Video Recorder", and control buttons including Power, Status, Menu, navigation arrows, and ESC. A USB port is also visible on the right side.

- **Power Indicator:** Shows the power status of the NVR.
- **Status Indicator:** Indicates recording, network, and hard drive activity.
- **Navigation Buttons:** Used to navigate menus and select options.
- **USB Port:** For connecting a USB mouse or external storage.

3.2 NVR Rear Panel Connections



Figure 3.2: Rear view of the Swann 16 Channel NVR. This image illustrates the rear panel of the NVR, highlighting the various connection ports. These include 16 PoE (Power over Ethernet) LAN ports for cameras, Audio In (RCA) and Audio Out (RCA) ports, a VGA output, an HDMI output, two USB ports, a LAN port for network connection, and the power input.

- **PoE LAN Ports (1-16):** Connect your IP cameras directly to these ports. Power and video signal are transmitted over a single Ethernet cable.
- **Audio In/Out:** For connecting external audio devices (microphone/speaker).
- **VGA/HDMI Output:** Connect to a monitor or TV for video display.
- **LAN Port:** Connect to your router or network switch for internet access and remote viewing.
- **USB Ports:** For connecting a USB mouse or for data backup.
- **Power Input:** Connect the provided power adapter here.

3.3 Initial Connection Steps:

1. **Connect Display:** Connect the NVR to a monitor or TV using the HDMI or VGA cable.
2. **Connect Mouse:** Plug the USB mouse into one of the NVR's USB ports.

3. **Connect Network:** Connect the NVR's LAN port to your router using an Ethernet cable for network access.
4. **Connect Cameras:** Connect your Swann IP cameras to the PoE LAN ports (1-16) on the rear of the NVR.
5. **Power On:** Connect the power adapter to the NVR's power input and then plug it into a power outlet. The NVR will power on automatically.
6. **First-Time Setup Wizard:** Follow the on-screen instructions to complete the initial setup, including setting a password, configuring network settings, and formatting the hard drive if prompted.

4. Operating Instructions

Once your NVR is set up, you can begin to operate your surveillance system.

4.1 Live View:

- After booting, the NVR will display the live view from connected cameras.
- Use the mouse to navigate the interface. Right-click to access the main menu.

4.2 Recording:

- The NVR is pre-configured for continuous recording.
- To adjust recording settings (e.g., motion detection, schedule), go to **Main Menu > Record > Schedule**.
- Ensure the hard drive is formatted and healthy for recording. Check under **Main Menu > HDD**.

4.3 Playback:

- To view recorded footage, go to **Main Menu > Playback**.
- Select the camera(s), date, and time range you wish to view.
- Use the timeline to navigate through recordings.

4.4 Remote Access:

- Download the Swann Security app on your smartphone or tablet.
- Follow the app's instructions to add your NVR using its QR code or device ID.
- Ensure your NVR is connected to the internet and network settings are correctly configured (**Main Menu > Network**).

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your NVR system.

- **Cleaning:** Regularly wipe the NVR's exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure ventilation openings are clear of dust and debris.
- **Ventilation:** Ensure the NVR is placed in a well-ventilated area, away from direct sunlight, heat sources, and excessive dust. Do not block the ventilation holes.
- **Firmware Updates:** Periodically check the Swann support website for firmware updates. Keeping your firmware up-to-date can improve performance and security.
- **Hard Drive Health:** Monitor the health of the internal hard drive through the NVR's menu (**Main Menu > HDD**). Replace the hard drive if errors are detected or if it reaches its end of life.
- **Power Supply:** Use only the original power adapter provided with the NVR.

6. Troubleshooting

This section addresses common issues you might encounter with your NVR system.

Problem	Possible Cause	Solution
No video output on monitor.	Loose cable connection, incorrect input selected on monitor, NVR not powered on.	Check HDMI/VGA cable connections. Ensure monitor is on correct input. Verify NVR power indicator is lit.
No camera image.	Camera not powered, faulty cable, camera not detected by NVR.	Ensure camera is properly connected to PoE port. Check Ethernet cable. Reboot NVR. Check camera status in NVR menu.
Cannot access NVR remotely.	No internet connection, incorrect network settings, firewall blocking.	Verify NVR is connected to the internet. Check network settings (DHCP enabled or static IP configured). Ensure router firewall is not blocking NVR ports.
NVR not recording.	Hard drive full or faulty, recording schedule not set, motion detection not configured.	Check HDD status (Main Menu > HDD). Format or replace HDD if necessary. Verify recording schedule and motion detection settings.

For more detailed troubleshooting, refer to the full user manual available on the Swann support website or contact customer support.

7. Specifications

Detailed technical specifications for the Swann 16 Channel 3MP HD Home Security NVR (CONVR-B163MP-US).

Feature	Detail
Model Number	CONVR-B163MP-US
Brand	Swann
Number of Channels	16
Recording Resolution	Up to 3MP (1536p) Super HD
Hard Disk Size	3TB (3000 GB) pre-installed
Video Compression	H.264
Video Outputs	HDMI, VGA
Audio Inputs/Outputs	RCA Audio In, RCA Audio Out
Network Interface	RJ45 Ethernet port, 16 x PoE LAN ports
USB Ports	Multiple USB ports (for mouse, backup)
Compatible Devices	Swann IP Cameras
Product Dimensions	22.86 x 25.4 x 5.08 cm (9 x 10 x 2 inches)
Product Weight	2.04 kg (4.5 lbs)

8. Warranty and Support

Swann products come with a limited warranty. Please refer to the warranty card included with your product or visit the official Swann website for detailed warranty terms and conditions specific to your region.

Customer Support:

For technical assistance, troubleshooting, or product inquiries, please contact Swann Customer Support:

- **Website:** Visit www.swann.com/support for FAQs, downloads, and support resources.
- **Phone:** Check the Swann website for regional contact numbers.
- **Online Chat:** Available on the Swann support website during business hours.

Please have your product model number (CONVR-B163MP-US) and purchase details ready when contacting support.

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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

Anonymous

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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