

Lorex N4K2SD-88WB-4

Lorex Fusion 4K 16-Channel NVR System Instruction Manual

Model: N4K2SD-88WB-4

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lorex Fusion 4K 16-Channel Network Video Recorder (NVR) System. This system includes an NVR unit, 8 wired bullet cameras, and supports up to 8 additional Wi-Fi cameras, featuring Smart Deterrence and 2-Way Audio capabilities. Please read this manual thoroughly before using the product to ensure proper setup and functionality.

2. SAFETY INFORMATION

- **Power Supply:** Use only the power adapter provided with the system. Using unauthorized power supplies may damage the device and void the warranty.
- **Ventilation:** Ensure the NVR unit has adequate ventilation. Do not block any ventilation openings.
- **Temperature:** Operate the system within the specified temperature range. Avoid extreme heat or cold.
- **Moisture:** Keep the NVR and cameras away from water and moisture. Cameras are weather-resistant but the NVR is for indoor use only.
- **Mounting:** Ensure cameras are securely mounted to prevent accidental falls.
- **Cables:** Route cables safely to prevent tripping hazards and damage.

3. PACKAGE CONTENTS

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

- Lorex Fusion 4K 16-Channel NVR (with 2TB HDD)
- 8 x 4K Wired Bullet Cameras with Smart Deterrence and 2-Way Audio
- Ethernet Cables for Wired Cameras

- NVR Power Adapter
- HDMI Cable
- USB Mouse
- Mounting Kits for Cameras
- Quick Start Guide



Image: Overview of the Lorex Fusion NVR system components, showing the NVR unit and multiple bullet cameras.

4. SYSTEM OVERVIEW

4.1 Network Video Recorder (NVR)

The NVR is the central recording and management unit for your security system. It features 16 channels, supporting 8 wired Power-over-Ethernet (PoE) cameras and up to 8 additional Wi-Fi cameras. It includes a pre-installed 2TB hard drive for continuous recording.

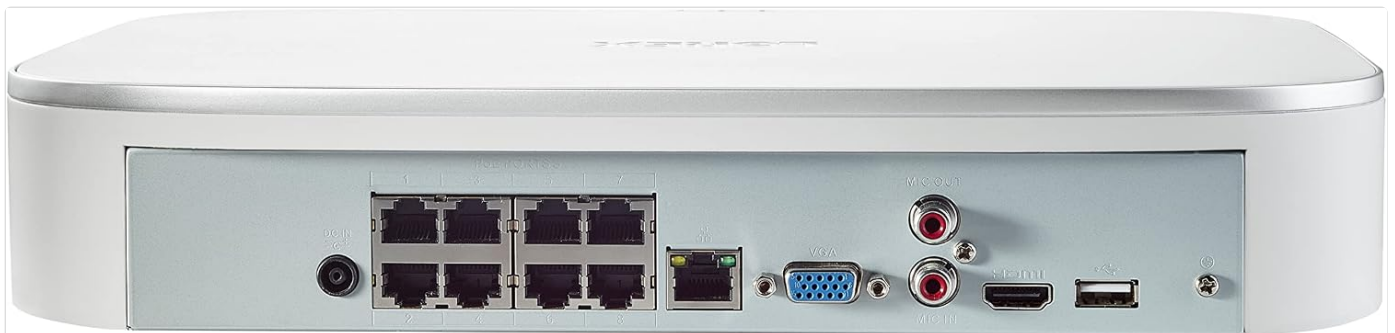


Image: Rear view of the Lorex Fusion NVR, highlighting the Ethernet ports for wired cameras, network port, HDMI, VGA, audio, and USB ports.

4.2 4K Wired Bullet Cameras

The included 4K bullet cameras provide high-resolution video surveillance. They are equipped with Smart Deterrence features (e.g., motion-activated lights and siren) and 2-Way Audio for communication. The cameras are designed for outdoor use with an IP67 weather-resistant rating.



Image: A Lorex 4K wired bullet camera shown from a side angle, illustrating its compact design.





Image: Front view of a Lorex 4K wired bullet camera with its integrated deterrent lights illuminated, indicating active smart deterrence features.

5. SETUP GUIDE

5.1 NVR Initial 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 an Ethernet cable from the NVR's LAN port to your router or network switch for internet access.
4. **Connect Power:** Plug the NVR power adapter into the NVR and then into a power outlet. The NVR will power on automatically.

5. **Initial Setup Wizard:** Follow the on-screen instructions to complete the initial setup, including creating a password and configuring network settings.

5.2 Wired Camera Installation

1. **Mount Cameras:** Choose suitable locations for your wired cameras, ensuring they have a clear field of view and are within reach of Ethernet cabling. Use the provided mounting kits to secure the cameras.
2. **Connect Ethernet:** Connect one end of an Ethernet cable to the camera's PoE port and the other end to an available PoE port on the NVR's rear panel. The NVR will automatically detect and power the camera.
3. **Adjust Angle:** Adjust the camera's angle and focus as needed for optimal surveillance coverage.

5.3 Wi-Fi Camera Pairing (Optional)

If you are adding Wi-Fi cameras to your system, refer to the specific Wi-Fi camera's manual for pairing instructions. Generally, you will need to:

1. Ensure the NVR is connected to your network.
2. Power on the Wi-Fi camera.
3. Access the NVR's menu or use the Lorex App to initiate the Wi-Fi camera pairing process.

6. OPERATING INSTRUCTIONS

6.1 Accessing the System

- **Local Access:** Use the connected monitor and USB mouse to navigate the NVR's interface directly.
- **Remote Access (Lorex App):** Download the Lorex App from your mobile device's app store. Create an account, add your NVR by scanning the QR code or entering the device ID, and view live feeds, playback recordings, and manage settings remotely.

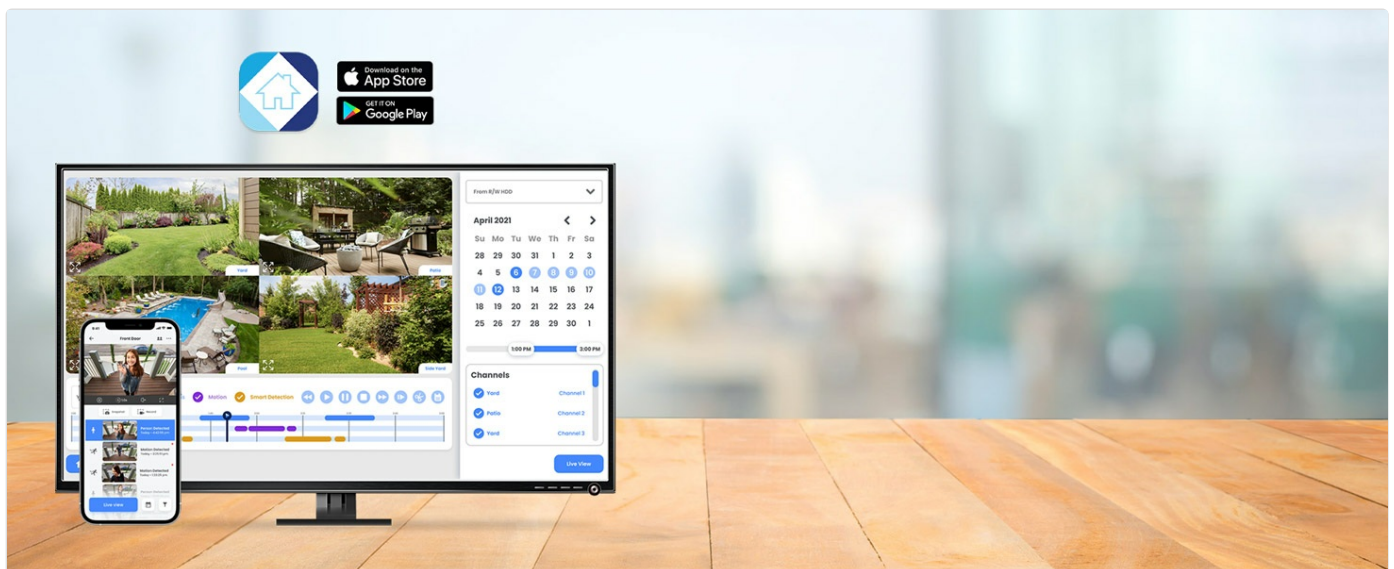


Image: A visual representation of the Lorex NVR's user interface on a monitor and the corresponding mobile application interface, demonstrating remote viewing capabilities.

6.2 Recording Modes

The NVR supports various recording modes:

- **Continuous Recording:** Records 24/7.
- **Motion Detection Recording:** Records only when motion is detected in the camera's view.

- **Smart Motion Detection:** Advanced motion detection that can differentiate between people and vehicles, reducing false alerts.
- **Scheduled Recording:** Records based on a pre-defined schedule.

You can configure these settings for each camera through the NVR's menu or the Lorex App.

6.3 Smart Deterrence and 2-Way Audio

- **Smart Deterrence:** When motion is detected, the cameras can activate a bright LED spotlight and a siren to deter intruders. These features can be configured to activate automatically or manually via the Lorex App.
- **2-Way Audio:** Use the Lorex App to speak through the camera's speaker and listen through its microphone, allowing for direct communication with visitors or to warn off unwanted guests.



Image: A Lorex camera mounted on a wall, with its integrated spotlight actively illuminating a dark outdoor area, demonstrating its smart deterrence capability.

6.4 Playback and Export

Access recorded footage through the NVR's playback menu or the Lorex App. You can search by date, time, and event type. Important footage can be exported to a USB drive (connected to the NVR) or downloaded via the app.

7. MAINTENANCE

7.1 Hard Drive Management

The 2TB hard drive will automatically overwrite the oldest recordings when full. You can configure recording settings to optimize storage usage. Regularly back up important footage.

7.2 Firmware Updates

Periodically check for firmware updates for your NVR and cameras through the NVR's system menu or the Lorex App. Keeping your firmware updated ensures optimal performance and security.

7.3 Cleaning

- **NVR:** Use a soft, dry cloth to clean the NVR's exterior. Do not use liquid cleaners.
- **Cameras:** Gently wipe camera lenses with a soft, damp cloth to remove dirt or smudges. Avoid abrasive materials.

8. TROUBLESHOOTING

8.1 No Video Output on Monitor

- Check HDMI/VGA cable connections.
- Ensure the monitor is powered on and set to the correct input source.
- Restart the NVR.

8.2 Cameras Not Displaying

- **Wired Cameras:** Verify Ethernet cable connections to both the camera and NVR PoE ports. Check if the NVR's PoE ports are active.
- **Wi-Fi Cameras:** Ensure cameras are powered on and properly paired with the NVR and connected to your Wi-Fi network. Check Wi-Fi signal strength.
- Restart the NVR and the affected cameras.

8.3 Remote Access Not Working

- Ensure the NVR is connected to the internet. Check network cable and router status.
- Verify your mobile device has an active internet connection.
- Confirm the NVR is properly added to your Lorex App account.
- Check for any firewall or router settings that might be blocking the NVR's internet access.

8.4 Hard Drive Full / Not Recording

- Check recording settings to ensure they are configured correctly.
- Verify the hard drive status in the NVR's menu. If the hard drive is faulty, it may need replacement.

9. SPECIFICATIONS

Feature	Specification
Model Number	N4K2SD-88WB-4
Brand	Lorex
Number of Channels	16 (8 Wired + 8 Wi-Fi Capable)
Video Capture Resolution	2160p (4K)
Memory Storage Capacity	2 TB (Hard Drive)
Connectivity Technology	Ethernet, 802.11 ac/b/g/n (for Wi-Fi cameras)
Special Features	Night Vision, Smart Deterrence, 2-Way Audio
Recording Mode	Continuous, Motion Detection
Frame Rate	30 fps
Video Input	BNC, RJ45
Optical Sensor Technology	CMOS

Feature	Specification
Power Source	Corded Electric
Camera Description	Front (Bullet Type)
Lens Type	Fisheye (for some models, check specific camera specs)
Smart Home Compatibility	Smart Home Compatible

10. WARRANTY AND SUPPORT

For warranty information, technical support, and additional resources, please visit the official Lorex website or contact Lorex customer service. Keep your purchase receipt as proof of purchase for warranty claims.

Lorex Website: www.lorex.com

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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

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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