

Lorex N800 Series

Lorex 4K 16 Camera Capable NVR System User Manual

Model: N800 Series | Brand: Lorex

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Lorex 4K 16 Camera Capable (8 Wired/8 Fusion WiFi) 2TB NVR System. This Network Video Recorder (NVR) is designed to be the central component of your security system, offering robust data protection and extensive surveillance capabilities. It supports both wired and Wi-Fi cameras, allowing for flexible expansion of your security coverage.

The system features a built-in security-grade hard drive for 24/7 recording, eliminating the need for subscription fees. It supports advanced smart detection features, including person, vehicle, face, animal, and package detection, enhancing your ability to monitor your property effectively. Integration with smart home devices and access via the Lorex Home app provide convenient remote viewing and control.

2. WHAT'S IN THE BOX

Upon unpacking your Lorex NVR System, please verify that all components are present:

- Lorex 4K NVR Unit
- Power Adapter for NVR
- USB Mouse
- Ethernet Cable
- HDMI Cable
- Quick Start Guide
- Mounting Hardware (for NVR, if applicable)
- Security Cameras (quantity as per package)
- Camera Cables (for wired cameras)



Front view of the Lorex 4K NVR unit, featuring a clean white design with a central power button and USB port.

3. SETUP

Follow these steps to set up your Lorex NVR system:

1. **Connect the NVR:** Connect the included HDMI cable from the NVR's HDMI output to a monitor or TV. Connect the USB mouse to a USB port on the NVR. Connect the NVR to your router using the Ethernet cable. Finally, connect the power adapter to the NVR and plug it into a power outlet.
2. **Initial Configuration:** Upon first power-on, the NVR will guide you through an initial setup wizard on the connected monitor. This includes setting the date/time, network settings, and creating a secure password. *Note: An HDMI monitor is required for initial configuration. If you encounter issues with a missing admin password, please refer to the troubleshooting section or contact Lorex support.*
3. **Connect Cameras:**
 - **Wired Cameras:** Connect your wired security cameras to the available ports on the back of the NVR using the appropriate cables.
 - **Wi-Fi Cameras (Fusion):** Follow the instructions provided with your Lorex Fusion Wi-Fi cameras to pair them with the NVR. This typically involves using the Lorex Home app or the NVR's interface to add the cameras to your network.
4. **Download Lorex Home App:** For remote viewing and advanced features, download the Lorex Home app from your smartphone's app store (App Store for iOS, Google Play for Android). Create an account and add your NVR system by scanning the QR code on the NVR or entering its device ID.

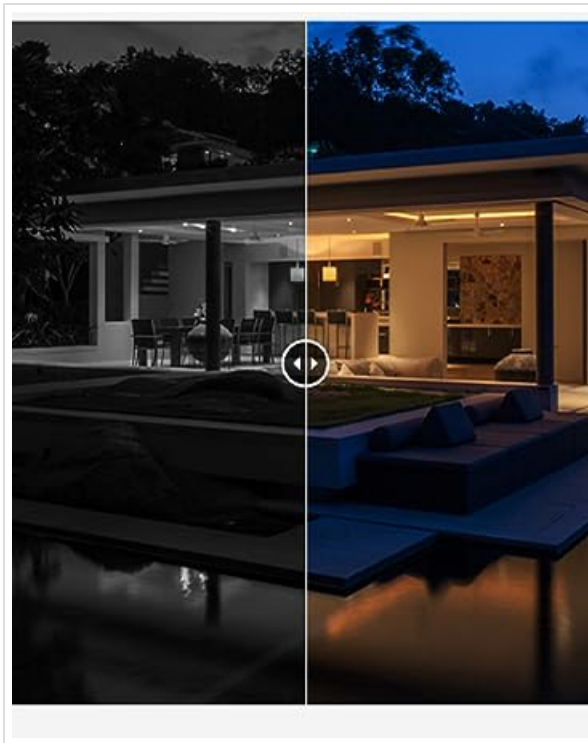
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Combine the Reliability of Wired Security
Cameras With the Flexibility of Wi-Fi Cameras
on the Same System With the

Lorex Fusion Collection

Diagram illustrating the Lorex Fusion system's ability to integrate both wired and Wi-Fi cameras for comprehensive security coverage.



Icons for downloading the Lorex Home app from Apple App Store and Google Play Store.

4. OPERATING INSTRUCTIONS

4.1. Live View and Playback

Access live camera feeds and review recorded footage through the NVR's connected monitor or the Lorex Home app. The NVR interface allows for multi-channel viewing and timeline-based playback.



A monitor screen showing a multi-camera view from the Lorex system, with a timeline for reviewing events.

4.2. Smart Detection Features

Your NVR supports advanced smart detection capabilities. Configure these settings via the NVR interface or the Lorex Home app to receive specific alerts:

- **Person Detection:** Identifies human figures.
- **Vehicle Detection:** Recognizes cars, trucks, and other vehicles.

- **Face Detection:** Detects human faces.
- **Animal Detection:** Alerts you to the presence of animals.
- **Package Detection:** Notifies you when a package is delivered or removed.

Get Notified with Smart AI Motion Detection

Smart Motion Detection



A smartphone screen showing a notification for motion detection, indicating the system's smart AI capabilities for identifying people, vehicles, animals, and packages.

4.3. Panic Button

The NVR features a panic button on its front panel. Pressing this button will activate lights and sirens on compatible Active Deterrence cameras, serving as a deterrent to potential intruders.



A hand pressing the power button on the Lorex NVR, which also functions as a panic button.

4.4. Area Search

Utilize the Area Search function to quickly review video footage for scene changes within a specified area. This feature helps in efficiently locating relevant events in recorded video.

5. FEATURES OVERVIEW

- **4K Ultra HD Surveillance:** The NVR, when paired with Lorex 4K cameras, delivers exceptional video quality with realistic color representation and superior digital zoom capabilities, providing clear details even in challenging lighting conditions.

Experience Sharper Video and Superior Digital Zoom Capabilities With 4K Ultra HD



An image demonstrating the superior clarity and digital zoom capabilities of 4K Ultra HD video compared to 1080p, highlighting fine details.

- **Lorex Fusion Technology:** This system supports up to 16 cameras, combining the reliability of 8 wired connections with the flexibility of 8 Fusion Wi-Fi cameras, allowing for a comprehensive and adaptable security setup.



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16 Channels

**4K NVR can support up to 16 cameras,
8 wired and 8 Fusion WiFi**

Close-up of network ports, symbolizing the NVR's capacity to support up to 16 cameras, including 8 wired and 8 Fusion Wi-Fi connections.

- **No Subscription Fees:** The NVR includes a built-in 2TB security-grade hard drive designed for continuous 24/7 surveillance recording. This local storage eliminates recurring monthly fees, and the storage capacity can be expanded up to 8TB.
- **Smart Home Compatibility:** Integrate your Lorex system with other smart home devices for convenient access and control. You can activate camera features or monitor footage on larger screens using voice commands or connected smart displays.

Smart Home Capatibility

Get faster access to your security system with hands-free voice control



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works with 

works with  **Hey Google**

A smart home display unit showing a live feed from a Lorex security camera, demonstrating smart home compatibility and remote viewing.

- **Weather-Resistant Cameras:** Many Lorex cameras are designed to be fully weather-resistant with an IP67 rating, ensuring reliable performance in various weather conditions, including rain and snow.

Fully weather-resistant

IP67 weather-resistance certified, and can withstand all kinds of weather conditions, such as rain and snow.



An outdoor security camera highlighting its IP67 weather-resistance, capable of withstanding various environmental conditions.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Lorex NVR system:

- **Keep Clean:** Periodically wipe down the NVR unit and cameras with a soft, dry cloth. Ensure camera lenses are free from dust and smudges for clear imaging.
- **Check Connections:** Regularly inspect all cable connections (power, Ethernet, camera cables) to ensure they are secure and free from damage.
- **Software Updates:** Check for and install firmware updates for your NVR and cameras as they become available. Updates often include performance improvements, new features, and security enhancements.
- **Hard Drive Health:** The NVR's built-in hard drive is designed for continuous use. While robust, it's good practice to periodically check its status through the NVR's system settings to ensure proper functioning.
- **Environmental Conditions:** Ensure the NVR is placed in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture.

7. TROUBLESHOOTING

If you encounter issues with your Lorex NVR system, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No video output from NVR	Loose HDMI cable, incorrect monitor input, NVR not powered on.	Check HDMI cable connection, ensure monitor is on correct input, verify NVR power.
Cameras not displaying video	Loose camera connection, camera not powered, network issue (for Wi-Fi cameras), camera not added to NVR.	Check camera cables/power, verify Wi-Fi signal, ensure cameras are properly added to the NVR.
Cannot access NVR remotely via app	NVR not connected to internet, incorrect network settings, app login issues.	Verify NVR internet connection, check network settings (DHCP/Static IP), ensure correct app login credentials. Restart NVR and router.
Missing admin password for NVR	Forgotten password, default password not set.	Refer to your NVR's specific model documentation for password reset procedures, or contact Lorex technical support.
Lorex Cloud Client (Windows) issues with Main Stream	Software compatibility, network configuration.	Ensure your Lorex Cloud Client software is up to date. Check network settings and firewall configurations on your Windows PC. If issues persist, use the Lorex Home mobile app for reliable viewing or contact Lorex support for PC client assistance.

For more detailed troubleshooting or issues not covered here, please visit the Lorex support website or contact their customer service.

8. SPECIFICATIONS

Feature	Specification
Model Number	N800 Series
Product Dimensions	9.6 x 12.8 x 2.4 inches
Item Weight	6.81 pounds
Connectivity Technology	Wired
Memory Storage Capacity	4 TB (expandable)
Hard Disk Size	2 TB (built-in)
Wattage	48 watts
Date First Available	April 21, 2022

9. WARRANTY AND SUPPORT

For information regarding your product's warranty, please refer to the warranty card included with your purchase or visit the official Lorex website. Lorex provides customer support for technical assistance, troubleshooting, and product inquiries.

Lorex Support: For the most up-to-date support resources, including FAQs, software downloads, and contact information, please visit the Lorex support section on their official website. Having your model number (N800 Series) and serial number ready will help expedite your support request.