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Lorex LNR610824KB

Lorex LNR6100 8-Channel 4K UHD NVR System

USER MANUAL

Model: LNR610824KB

Product Overview

The Lorex LNR6100 series 8-Channel 4K UHD Network Video Recorder (NVR) system provides advanced surveillance capabilities for your home or business. This system includes a 2TB Hard Disk Drive (HDD) for extensive recording and four LNB8005 4K Night Vision Bullet IP Cameras, offering high-resolution video capture and robust security features.



Image: The Lorex LNR6100 4K Ultra HD NVR unit shown below four LNB8005 4K bullet security cameras. The NVR is a black rectangular device with "LOREX" and "4K Ultra HD NVR" branding, along with control buttons and a USB port on the front. The four cameras are white, cylindrical bullet-style cameras with black lenses, designed for outdoor or indoor mounting.

Key Features:

- 8-Channel 4K HD NVR supporting real-time recording up to 8.0 megapixels on all channels.
- Pre-installed 2TB HDD, expandable up to 6TB for high-capacity storage.

- Four 4K (8MP) Bullet IP Cameras (LNB8005) with Color Night Vision™ and IR night vision up to 130ft (ambient) / 90ft (total darkness).
- H.265 compression for efficient bandwidth and storage utilization.
- 8 built-in Power over Ethernet (PoE) ports for simplified camera connection (video and power over a single Ethernet cable).
- Weatherproof (IP66) cameras suitable for outdoor installation.
- PC & Mac® compatible with Lorex Cloud™ video management software.
- Lorex Secure™ app for live viewing, playback, video recording, and snapshots on iOS™ or Android™ devices.

Setup Guide

1. Unpacking and Initial Inspection

Carefully unpack all components and verify that all items are present. The package typically includes:

- Lorex LNR6100 Series NVR
- Four LNB8005 4K Bullet IP Cameras
- Power adapter for NVR
- USB Mouse
- Ethernet cable
- Four 60ft CAT-5E cables for cameras
- Quick Start Guide (not included in this manual)

Inspect all components for any signs of damage. If any items are missing or damaged, contact Lorex support immediately.

2. NVR Connection

1. **Connect the Mouse:** Plug the included USB mouse into any available USB port on the NVR.
2. **Connect to a Monitor:** Connect the NVR to a monitor or TV using an HDMI or VGA cable (not included). Ensure the monitor is set to the correct input source.
3. **Connect to Network:** Connect one end of the Ethernet cable to the NVR's LAN port and the other end to your router or network switch. This enables remote viewing and firmware updates.
4. **Connect Power:** Plug the NVR's power adapter into the NVR's power input, then plug the adapter into a power outlet. The NVR will power on automatically.

3. Camera Installation and Connection

Before permanent installation, test the cameras by connecting them directly to the NVR's PoE ports.

1. **Connect Cameras:** Connect one end of the provided CAT-5E Ethernet cable to a camera's Ethernet port and the other end to one of the NVR's PoE ports (labeled 1-8). The NVR will automatically detect and power the camera.
2. **Mounting Location:** Choose a mounting location for each camera that provides the desired viewing angle and is within the cable length. Ensure the location is secure and provides protection from direct impact. The cameras are weatherproof (IP66) but consider sheltered locations for longevity.
3. **Secure Mounting:** Use appropriate screws and anchors (not included) to securely mount the camera to a wall or ceiling. Adjust the camera's angle for optimal coverage.

Operating Instructions

1. Initial Setup Wizard

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

- Set up an administrator password.
- Configure date and time settings.
- Set up network parameters (DHCP is usually sufficient).
- Format the hard drive (if prompted, this will erase all data).

2. Live View and Recording

Once the setup is complete, the NVR will display the live view from all connected cameras. The system is configured for continuous recording by default. You can adjust recording schedules, motion detection settings, and other parameters through the NVR's main menu, accessible via the USB mouse.

- **Accessing Menus:** Right-click anywhere on the live view screen to bring up the main menu.
- **Recording Modes:** Configure continuous, motion-detection, or scheduled recording for each camera.
- **Motion Detection:** Set up motion detection zones and sensitivity for specific areas within the camera's view.

3. Playback and Backup

To review recorded footage:

1. From the main menu, select "Playback".
2. Choose the desired date and camera channel.
3. Use the timeline to navigate through recorded events.

To back up footage, connect a USB flash drive to the NVR's USB port and use the "Backup" option from the main menu.

4. Remote Access (Lorex Cloud™ / Lorex Secure™)

For remote viewing and management, download the Lorex Cloud™ (for PC/Mac) or Lorex Secure™ (for iOS/Android) application.

1. **Download App:** Search for "Lorex Cloud" or "Lorex Secure" in your device's app store or on the Lorex website.
2. **Create Account:** Register for a Lorex account if you don't have one.
3. **Add Device:** Follow the in-app instructions to add your NVR using its device ID (usually found on a sticker on the NVR or in the NVR's network settings).
4. **Live View & Playback:** Once connected, you can view live feeds, play back recordings, and receive push notifications on your mobile device.

Maintenance

- **Cleaning Cameras:** Periodically clean the camera lenses with a soft, damp cloth to remove dust, dirt, or water spots that may affect image quality. Do not use harsh chemicals.
- **NVR Ventilation:** Ensure the NVR is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Firmware Updates:** Regularly check the Lorex website for firmware updates for your NVR and cameras. Firmware updates can improve performance, add features, and address security vulnerabilities. Follow the instructions provided by Lorex for safe updating.
- **Hard Drive Health:** The NVR's hard drive is crucial for recording. Monitor its health through the NVR's system

settings. Consider backing up critical footage regularly.

Troubleshooting

Problem	Possible Cause	Solution
No video output on monitor.	Incorrect video input selected on monitor; loose HDMI/VGA cable; NVR not powered on.	Ensure monitor input matches NVR connection (HDMI/VGA). Check cable connections. Verify NVR power indicator is on.
No camera image.	Loose Ethernet cable; camera not powered; faulty camera or port.	Check Ethernet cable connection at both NVR and camera ends. Try connecting the camera to a different PoE port on the NVR. Ensure the camera's indicator light (if any) is on.
Cannot access NVR remotely.	NVR not connected to network; incorrect network settings; firewall blocking connection; app issues.	Verify NVR is connected to your router. Check NVR network settings (ensure DHCP is enabled or static IP is correct). Temporarily disable firewall on router for testing. Reinstall mobile app.
No recording.	Hard drive full or not initialized; recording schedule not set; motion detection not configured.	Check HDD status in NVR settings; format HDD if necessary (will erase data). Verify recording schedule and motion detection settings for relevant channels.
Poor image quality.	Dirty lens; low light conditions; camera resolution settings.	Clean camera lens. Ensure sufficient lighting for optimal color night vision. Check camera resolution settings in NVR.

Specifications

Feature	Detail
Model Number	LNR610824KB
Brand	Lorex
NVR Channels	8 Channels
Video Capture Resolution	4K (2160p)
Hard Drive Capacity	2 TB (expandable up to 6 TB)
Compression Technology	H.265
Camera Model	LNB8005 (4 included)
Night Vision Range (IR)	Up to 130ft (ambient), 90ft (total darkness)
Special Features	Color Night Vision™, PoE (Power over Ethernet), Weatherproof (IP66) Cameras
Connectivity	Wired Ethernet
Compatible Devices	Cameras, Personal Computers
Operating System Compatibility	Android, iOS, Mac, PC

Feature	Detail
NVR Dimensions (L x W x H)	18.4 x 16.4 x 12.7 inches
Item Weight	18.7 pounds (total package)
UPC	695529015897

Warranty and Support

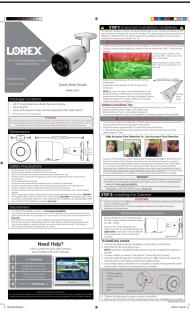
For detailed warranty information, please refer to the warranty card included with your product or visit the official Lorex website. Warranty terms and conditions may vary by region and product.

For technical support, frequently asked questions, software downloads, and additional resources, please visit the Lorex support page on their official website. You can also find contact information for customer service there.

Lorex Official Website: www.lorextechnology.com

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Related Documents

	<p>Lorex LNB8005 Series 4K Ultra HD IR Bullet IP Camera Quick Start Guide</p> <p>This guide provides essential information for setting up and installing the Lorex LNB8005 Series 4K Ultra HD IR Bullet IP Camera. It covers package contents, camera overview, safety precautions, installation steps, connection methods, cable extension options, and troubleshooting.</p>
	<p>Lorex LNB8005B 4K Ultra HD IP Bullet Security Camera - Features & Specifications</p> <p>Explore the Lorex LNB8005B, a 4K Ultra High Definition IP Bullet Security Camera. Discover its advanced features, including superior resolution, Color Night Vision, H.265 compression, and weatherproof design. View detailed specifications and installation guidance.</p>
	<p>Lorex E892AB Series 4K IP Smart Deterrence Bullet Camera Quick Start Guide</p> <p>Get started with your Lorex E892AB Series 4K IP Smart Deterrence Bullet Security Camera. This guide covers installation, connection, audio settings, deterrence features, and troubleshooting.</p>
	<p>Lorex N864 Series Fusion 4K Wired NVR System Quick Start Guide</p> <p>This guide provides quick start instructions for setting up the Lorex N864 Series Fusion 4K 16-channel Wired NVR System. It covers package contents, system overview, wired camera connections, network setup, mouse connection, TV connection, power connection, and app download.</p>



[pdf] Label

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