

Lorex D871A81B

Lorex D871A81B 4K 8-Channel Wired DVR

INSTRUCTION MANUAL

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1. Product Overview

The Lorex D871A81B is a 4K 8-Channel Wired Digital Video Recorder (DVR) designed for comprehensive security surveillance. This DVR supports advanced features such as Smart Motion Detection, Face Detection, Face Recognition, Active Deterrence, Privacy Masking, and Virtual Fence (Perimeter Protection). It integrates with smart home systems and offers voice recognition for hands-free control. The unit includes a 1TB security-grade hard drive for reliable 24/7 recording, with expandability up to 8TB, ensuring your data remains private and secure without recurring cloud storage fees.



Image 1.1: Front view of the Lorex D871A81B 4K 8-Channel Wired DVR, showing the Lorex logo, status indicators, and a USB port.

2. What's in the Box

Verify that all components are present before beginning installation:

- Recorder (Lorex D871A81B DVR)
- Power Adapter
- HDMI Cable
- Quick Start Guide

3. Setup

Follow these steps to set up your Lorex D871A81B DVR system:

1. **Connect Cameras:** Connect your wired security cameras to the BNC video input ports on the back of the DVR. For IP cameras, connect them to your network and ensure they are discoverable by the DVR.
2. **Connect to a Monitor:** Use the included HDMI cable to connect the DVR's HDMI output port to a monitor or TV.
3. **Connect to Network:** Connect an Ethernet cable from the DVR's LAN port to your router or network switch for internet access and remote viewing capabilities.
4. **Connect USB Mouse:** Plug the USB mouse (not included) into one of the USB ports on the DVR for navigation.
5. **Power On:** Connect the power adapter to the DVR's power input and then plug it into a power outlet. The DVR will power on automatically.
6. **Initial Configuration:** Follow the on-screen prompts to complete the initial setup, including setting a password, date/time, and network settings.



Image 3.1: Rear view of the Lorex D871A81B DVR, illustrating the various input/output ports for camera, network, and display connections.

4. Operating Instructions

This section outlines the primary operational features of your Lorex D871A81B DVR.

4.1. Recording and Playback

- The DVR is configured for continuous recording by default. Motion-activated recording can be configured in the system settings.
- To view recorded footage, access the **Playback** menu from the main interface. Use the date and time filters to locate specific events.
- Utilize **Smart Search** by selecting an area of interest on the screen to quickly find video footage showing changes in that area.

4.2. Smart Motion Detection & AI Features

- **Smart Motion Detection:** Configures the system to only notify you of significant motion events, reducing false alarms.
- **Face Detection and Recognition:** Available on two channels, this feature identifies familiar faces and sends notifications only when recognized individuals are detected. Review captured faces and filter events via Smart Search.
- **Person and Vehicle Detection:** Available on all channels, this feature distinguishes between people, vehicles, and other moving objects, sending alerts only for relevant detections.
- **Virtual Fence (Perimeter Protection):** Create virtual boundary lines or areas. The system will notify you if these lines are crossed or areas are breached.

4.3. Remote Viewing with Lorex Home App

Download the Lorex Home app on your smartphone or tablet to access your security system remotely. The app allows live viewing, playback of recordings, and control of camera features. Motion-activated push notifications will be sent directly to your device.

4.4. Privacy Masking

To prevent recording sensitive areas within a camera's field of view, activate the **Privacy Masking** feature. Draw a square around the desired spot(s) to exclude them from recording.

4.5. Panic Button

The panic button, located on the front of the recorder, can be pressed to activate lights and sirens on compatible Active

Deterrence cameras, deterring potential intruders.

5. Maintenance

5.1. Hard Drive Management

The DVR includes a 1TB security-grade hard drive. If more storage is required, the system supports expansion up to 8TB. Regularly back up important footage to external storage devices if needed.

5.2. Cleaning

Periodically clean the exterior of the DVR with a soft, dry cloth. Do not use liquid cleaners or aerosols directly on the unit. Ensure ventilation openings are clear of dust and obstructions.

5.3. Firmware Updates

Check the Lorex support website or the Lorex Home app for available firmware updates. Keeping your DVR's firmware up-to-date ensures optimal performance and access to the latest features and security enhancements.

6. Troubleshooting

If you encounter issues with your Lorex D871A81B DVR, refer to the following common solutions:

- **No Video Output:**

- Ensure the HDMI cable is securely connected to both the DVR and the monitor.
- Verify the monitor is set to the correct input source (e.g., HDMI1, HDMI2).
- Check if the DVR's power adapter is properly connected and the unit is powered on.

- **No Camera Image:**

- Confirm that cameras are properly connected to the DVR's BNC ports or are correctly configured on the network for IP cameras.
- Ensure cameras are receiving power.
- Check camera settings within the DVR interface.

- **Remote Viewing Issues:**

- Verify the DVR is connected to the internet via an Ethernet cable.
- Ensure your smartphone has a stable internet connection.
- Check the Lorex Home app for any error messages or connection status.
- Restart both the DVR and your router.

- **Recording Problems:**

- Check the hard drive status in the DVR's system settings to ensure it is functioning correctly and has available space.
- Verify recording schedules and motion detection settings.

7. Specifications

Model Number	D871A81B
Connectivity Technology	Ethernet

Compatible Devices	Camera
Memory Storage Capacity	8 TB (Max. supported)
Hard Disk Size (Included)	1 TB
Number of Channels	8
Video Input	BNC, IP Input
Total USB Ports	1
Smart Home Compatibility	Smart Home Compatible
UPC	695529036847

8. Warranty and Support

8.1. Product Warranty

The Lorex D871A81B DVR comes with a **1-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2. Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please visit the official Lorex support website or contact Lorex customer service. Refer to the Quick Start Guide or Lorex website for contact information.

