

## Lorex LHV1628

# Lorex HD 16 Channel Security DVR System LHV1628 User Manual

Model: LHV1628

## INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Lorex HD 16 Channel Security DVR System (LHV1628). This system includes a 16-channel Digital Video Recorder (DVR) and eight 1080p HD cameras, designed to provide comprehensive surveillance for your property. Please read this manual thoroughly before using the product to ensure proper setup and functionality.



Figure 1: Lorex HD 16 Channel Security DVR System (LHV1628) overview. This image displays the main components of the security

system, including the DVR unit and several cameras.

## SAFETY INFORMATION

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- Ensure all power connections are secure and use only the power adapters supplied with the system.
- Do not expose the DVR or cameras to water or excessive moisture.
- Avoid placing the DVR in direct sunlight or near heat sources.
- Handle the hard drive with care to prevent data loss or damage.
- Consult a qualified professional for installation if you are unsure about wiring or mounting procedures.

## PACKAGE CONTENTS

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Before beginning installation, verify that all items are present in your package:

- 1 x Lorex 16 Channel HD DVR (LHV1628) with pre-installed 2TB HDD
- 8 x 1080p HD Security Cameras
- 8 x Camera Cables (e.g., BNC cables)
- 1 x DVR Power Adapter
- 2 x Camera Power Adapters (or 1 x 8-way power splitter)
- 1 x USB Mouse
- 1 x Ethernet Cable
- Mounting Hardware for Cameras
- Quick Start Guide

## SETUP

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### 1. Connecting the DVR

1. Connect the included USB mouse to a USB port on the back of the DVR.
2. Connect a monitor to the DVR's HDMI or VGA output port.
3. For network access and remote viewing, connect an Ethernet cable from the DVR's LAN port to your router.
4. Connect the DVR power adapter to the DVR's power input and then to a power outlet.



Figure 2: DVR back panel connections. This diagram illustrates where to connect the mouse, monitor, network cable, and power adapter to the DVR unit.

### 2. Connecting Cameras

1. Mount each camera in your desired location using the provided mounting hardware. Ensure the camera's field of view covers the area you wish to monitor.
2. Connect one end of the camera cable to the camera's video/power input.
3. Connect the other end of the camera cable's video connector to an available BNC input on the back of the DVR.
4. Connect the camera cable's power connector to the camera power adapter or power splitter, and then plug the adapter into a power outlet.



Figure 3: Camera connection diagram. This image shows how to connect the camera cable to both the camera and the DVR, including power connections.

### 3. Initial Power-On and Configuration

Once all connections are made, power on the DVR. The system will boot up, and you will be prompted to complete an initial setup wizard. This wizard typically includes setting the date/time, creating a password, and configuring network settings. Follow the on-screen instructions.

## OPERATING THE SYSTEM

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### 1. Live View and Recording

After initial setup, the DVR will display a live view from all connected cameras on your monitor. The system is configured to record continuously by default. You can adjust recording schedules, motion detection settings, and video quality through the DVR's main menu, accessible with the USB mouse.



Figure 4: DVR live view interface. This screenshot shows the multi-camera live feed display on the DVR's monitor output.

### 2. Playback and Backup

To review recorded footage, navigate to the 'Playback' section in the DVR menu. You can search by date, time, and event type. To back up footage, insert a USB flash drive into the DVR's USB port and follow the on-screen instructions to export selected video clips.

### 3. Remote Access (Lorex App)

The Lorex system supports remote viewing via a dedicated mobile application (available for Android and iOS). Download the official Lorex app from your device's app store. Use the DVR's unique device ID (found in the network settings) to add your system to the app. This allows you to view live feeds, playback recordings, and receive alerts from anywhere with an internet connection.

### 4. Night Vision

Your cameras are equipped with infrared (IR) night vision technology. In low-light conditions, the cameras automatically switch to night vision mode, providing clear black and white video footage. Ensure there are no obstructions directly in front of the camera's IR LEDs for optimal performance.

## MAINTENANCE

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- **Hard Drive Health:** Periodically check the DVR's hard drive status in the system settings. While the 2TB HDD is designed for continuous recording, regular checks can help identify potential issues early.
- **Camera Cleaning:** Gently clean camera lenses and housings with a soft, damp cloth to remove dust, dirt, or cobwebs that may obstruct the view. Do not use harsh chemicals.
- **Software Updates:** Check the Lorex support website for firmware updates for your DVR. Keeping the firmware updated ensures optimal performance and security.
- **Cable Inspection:** Periodically inspect all cables for wear and tear, especially outdoor cables, to ensure reliable connections.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
No video display on monitor	Loose video cable, incorrect input selected on monitor, DVR not powered on.	Check HDMI/VGA cable connections. Ensure monitor is on correct input. Verify DVR power.
No camera image	Loose camera cable, camera not powered, faulty camera.	Check camera video and power connections. Ensure power adapter is working. Test camera on another channel.
Cannot access DVR remotely	No internet connection, incorrect network settings, firewall blocking.	Verify DVR is connected to the internet. Check network settings in DVR menu. Ensure router ports are open if necessary.
DVR not booting up / Hard Drive issues	Hard drive failure, power supply issue.	Ensure DVR power adapter is functioning correctly. If the issue persists, the hard drive may need replacement. Contact Lorex Support.

## SPECIFICATIONS

Feature	Specification
Model Number	LHV1628
Video Channels	16 Channels
Video Capture Resolution	1080p (Full HD)
Included Cameras	8 x 1080p HD Cameras
Storage Capacity	2 TB HDD (pre-installed)
Power Source	Corded Electric
Low Light Technology	Night Vision
Connectivity	Ethernet (for network access)
Dimensions (DVR)	Approx. 16.69 x 14.21 x 12.91 inches (Package Dimensions)
Weight (Item)	Approx. 21 pounds

## WARRANTY AND SUPPORT

Lorex products are designed for reliability and performance. For detailed warranty information, please refer to the warranty card included with your product or visit the official Lorex website. If you encounter any issues that cannot be resolved using the troubleshooting guide, or require technical assistance, please contact Lorex Customer Support through their official website or designated support channels.

**Lorex Support Website:** [www.lorex.com/support](http://www.lorex.com/support)



