Quick Setup Guide
Physical setup of the recorder and essential system settings

1/2

D241 Series

Package Contents

<table>
<thead>
<tr>
<th>Power Adapter</th>
<th>Ethernet Cable</th>
<th>USB Mouse</th>
<th>HDMI Cable</th>
</tr>
</thead>
</table>

Dimensions

9.8” / 249mm
2.4” / 60mm
9.8” / 249mm

Setting Up Your Recorder

See the steps below (expanded instructions to the right) to complete initial setup of the recorder:

STEP 1: Connect cameras*

Connect cameras prior to selecting a permanent mounting location by temporarily connecting the cameras and cables to your DVR.

NOTE:
- The extension cable must be a single stretch of cable between the recorder and camera. You cannot connect multiple extension cables to each other.
- This guide covers connecting cameras to your Lorex recorder only. For full instructions on installing your cameras, please refer to your camera documentation at lorex.com.
- Before selecting a permanent mounting location for your cameras, see Ensuring Accurate Person and Vehicle Detection below for important camera installation notes.

STEP 2: Connect router*

Connect the recorder to your router using the included Ethernet cable.

NOTE:
- To receive automatic firmware updates and enable remote viewing with mobile apps, a high-speed Internet connection is required (minimum upload speed of 3.5Mbps required for remote viewing). All other system features can be used without an Internet connection.

STEP 3: Connect mouse

Connect the included mouse to a USB port on the recorder.

STEP 4: Connect monitor*

Connect the recorder to a monitor using the included HDMI cable or a VGA cable (not included). Both HDMI and VGA ports support up to 1080p output resolution.

IMPORTANT:
The system will automatically match the resolution of the connected monitor the first time you use the recorder. If you need to switch monitors, make sure you set the recorder to an output resolution supported by the new monitor before switching. See Changing the Recorder’s Output Resolution on the rear for details.

STEP 5: Connect power

Use the included power adapter to connect the recorder to a nearby outlet. Turn the recorder on by the new monitor before switching. See Changing the Recorder’s Output Resolution on the rear for details.

STEP 6: Lorex Setup Wizard

When you first power up your recorder, the Lorex Setup Wizard will begin. The Wizard will help you configure core system settings.

You will also create a secure password. For future reference, it is recommended that you record your password here:

Record your password below and store in a secure place:

Need Help?
Visit us online for up-to-date software and complete instruction manuals.

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Ensuring Accurate Person and Vehicle Detection

The following are important camera installation notes to ensure accurate person and vehicle detection. For full camera mounting instructions, see your camera’s documentation at lorex.com.

- Angle the camera so that objects of interest appear in the bottom ⅔ of the camera image.
- Choose a location where objects of interest will be no further than 50ft (~15m) from the camera.
- Install the camera between 8-16ft (2.5-5m) off the ground.
- Angle the camera between 30~60° down from the level position.

Optimal accuracy for objects within 50ft (~15m) and in the bottom ⅔ of the image.

NOTE:
- Accuracy of person and vehicle detection will be influenced by multiple factors, such as the object’s distance from the camera, the size of the object, and the height and angle of the camera. Night vision will also impact the accuracy of detection.

Additional Installation Tips:
- Point the camera towards the object of interest.
- Install the camera where it cannot be easily reached.
- Secure cabling so that it is not exposed or easily cut.
- This camera is rated for outdoor use. Installation in a sheltered location is recommended.

Back panels shown below are for illustration only. Your recorder’s back panel may appear different, with all the same ports in different locations.

Audio In/Out
Connect additional audio / speakers* RS485 Connect 4-7 Wire-Duo (PTZ) cameras

Overview of extra ports:

NOTE: For full instructions on using the extra ports, please refer to your security recorder’s instruction manual at lorex.com.

1080p HD Security DVR

For camera compatibility information, visit lorex.com/compatibility.
* Not included / sold separately.
Using the Mouse

- **During split-screen display mode:** Click an individual channel to view it in full-screen. Click again to return to the split-screen display mode.
- **While navigating menus:** Click to open a menu option.

**NOTE:** In live view, hover the mouse cursor over the top of the screen to open the Navigation Bar. Move the mouse cursor away from the top of the screen to close the Navigation Bar.

Quick Access to System Information

To quickly open a window that displays vital system information such as device ID, model number, firmware version, and IP address:
- Tap the button on the front panel of the recorder.
- Right-click to open the Quick Menu and click info.

Using the Quick Menu

- Right-click anywhere on the live viewing screen to open the Quick Menu.
  - Open Main Menu
  - Search and playback recordings
  - Control PTZ cameras (not included)
  - View previous / next channel(s)
  - View system information
  - Start/stop sequence mode
  - Temporarily disable all current audible warning
  - Open manual recording controls
  - Adjust camera color and image settings

Changing the Recorder’s Output Resolution

This system will automatically match the resolution of the connected monitor the first time you use the recorder.

**IMPORTANT:** If you need to switch the monitor, make sure you set the recorder to its output resolution supported by the monitor. To change the recorder’s output resolution:

1. From live view, right-click and click Main Menu. If prompted, log in using the system user name (default: admin) and your new, secure password.
2. Click DISPLAY, then configure the following:
   - a. Set Resolution to match the highest resolution supported by your monitor. For example, set to 1080P (1920x1080) monitors, or 720P (1280x720) for 720P.
   - b. Click Apply. The recorder will restart before changes take effect.

Playback

Search through and play video recordings from the hard drive.

To search for and play recordings:

1. From live view, right-click and then click Playback. If prompted, log in using the system user name (default: admin) and your new, secure password.
2. Configure the following:
   - a. Use the calendar on the right to select the date to playback.
   - b. Check channels you want to playback. Click the icon beside each selected channel to select Mainstream (M) or Substream (S) video quality.
   - c. Click inside the video bar to select the playback time. Playback starts immediately at the selected time.
   - d. Click to stop. Hover over the current playback. Wait a few seconds for the video bar to show detection events.
   - e. Click or click-and-drag to add / remove boxes to the active area. This means the entire image is enabled for motion detection. When finished, the camera image appears with a red grid overlay. This means the entire image is enabled for motion detection.
   - f. Click OK to set the active area.
   - g. Click Apply to save changes.

To filter for person / vehicle recordings:

**PREREQUISITE:** You must enable Smart Motion Detection on any and all channels you would like to filter for person / vehicle detection. See the section on Motion & Advanced Person/Vehicle Detection for details.

1. From live view, right-click and then click Main Menu. If prompted, log in using the system user name (default: admin) and your new, secure password.
2. Click SETUP, then configure the following:
   - a. Select the channel of a connected deterrent camera.
   - b. Click Enable.
   - c. Click Setup next to Area to set an active area for motion detection. See Figure 1 below for details.
   - d. Click Setup next to Schedule to set the weekly schedule for motion detection. See Figure 2 below for details.
   - e. If you set off all connected deterrence cameras’ warning lights and sirens, press and hold the front panel button for 3 seconds.

Motion & Advanced Person/Vehicle Detection

Set preferences for motion detection. This section includes setup of person/vehicle detection. By default, person/vehicle detection is enabled on channels 1 and 2.

To configure motion & advanced person/vehicle detection:

1. From live view, right-click and then click Main Menu. If prompted, log in using the system user name (default: admin) and your new, secure password.
2. Click ALARM. Click MOTION on the far-left, then click the Motion Detect tab.
3. Configure the following:
   - a. Set preferences for how the system reacts to motion detection events.
   - b. Click Smart Motion Detection to enable person / vehicle detection. See Figure 3 below for details.
   - c. Click Apply to save changes.

Changing the Default Schedule

This means the entire image is enabled for motion detection.

1. From live view, right-click and then click Main Menu. If prompted, log in using the system user name (default: admin) and your new, secure password.
2. Click ALARM. Click MOTION on the far-left, then click the Motion Detect tab.
3. Click the icon beside Main Menu. If prompted, log in using the system user name (default: admin) and your new, secure password.
4. Click Setup next to Area to set an active area for motion detection. See Figure 1 below for details.
5. Click Setup next to Schedule to set the weekly schedule for motion detection. See Figure 2 below for details.
6. Set preferences for how the system reacts to motion detection events.
7. Click Smart Motion Detection to enable person / vehicle detection. See Figure 3 below for details.
8. Click Apply to save changes.
9. Once you have completed all steps for initial setup on the front of this guide, please refer to the following sections to learn more about using your system.