

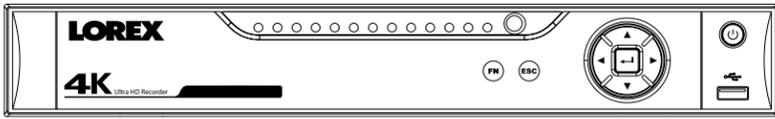
Quick Setup Guide

Physical setup of recorder and essential system settings



LHV5100 Series

Package Contents



4K MPX Security DVR



Remote Control



Power Adapter



Ethernet Cable



USB Mouse



HDMI Cable

Dimensions



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1

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3

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Setting Up Your Recorder

Follow the steps below to complete physical setup of your recorder.

To set up your recorder:



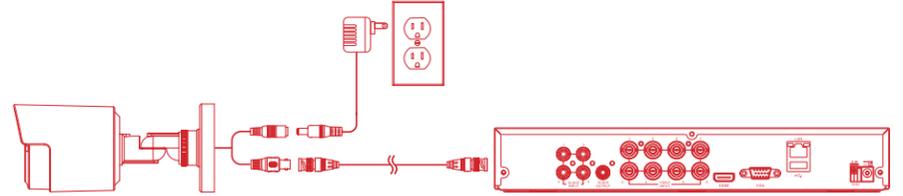
8-channel configuration shown. 16 channel will have the respective number of video inputs. For camera compatibility information, visit lorex.com/compatibility.

* Not included / sold separately.

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

STEP 1: Connect cameras*

Connect your cameras (not included) to your recorder.

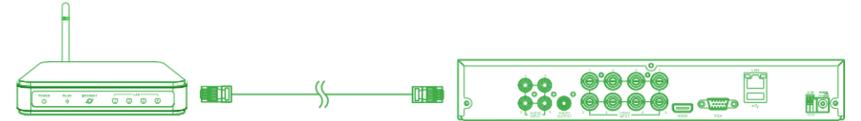


NOTES:

- 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 security recorder only. For full instructions on installing your cameras, please refer to your camera's documentation at lorex.com.

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 computer and mobile apps, a high speed Internet connection is required (minimum 3.5Mbps upload speed). All other system features can be used without an Internet connection.

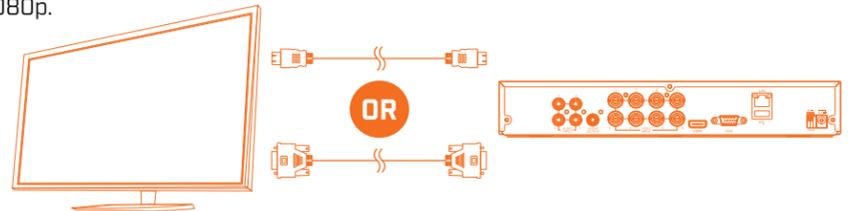
STEP 3: Connect mouse

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). The HDMI port supports up to 4K resolution, and VGA supports up to 1080p.



NOTE: To optimize picture quality, set the recorder's video output to match the resolution of your monitor.

STEP 5: Connect power

Use the included power adapter to connect the recorder to a nearby outlet. Turn the recorder on using the power switch on the back panel.



Overview of extra ports:



Audio In/Out
Connect microphone / speaker*

RS485
Connect Pan-Tilt-Zoom (PTZ) cameras*

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

Once you have completed the physical setup of your recorder, follow the steps below to configure essential system settings.

STEP 1: Creating a New Password

When using your system for the first time, you will be prompted to create a new 6 character password.

To create a new password:

1. Connect your system according to the instructions on the front of this guide.
2. When the recorder turns on, create and confirm your new, secure password. This password will be used to connect to your system from now on.

Record your password below and store in a secure place:

STEP 2: Firmware Update

This system features automatic firmware upgrades for enhanced functionality. It is required to upgrade your system to the latest firmware version.

To upgrade firmware:

1. After startup, a notification will appear asking you to upgrade the firmware if a newer version is available. Click **OK** to upgrade.
2. The system will download and install the firmware upgrade. Wait for the firmware update to complete. The system may restart during the firmware upgrade process.

IMPORTANT: Do not power off the recorder or disconnect the power cable during firmware installation.

STEP 3: Setting Date and Time

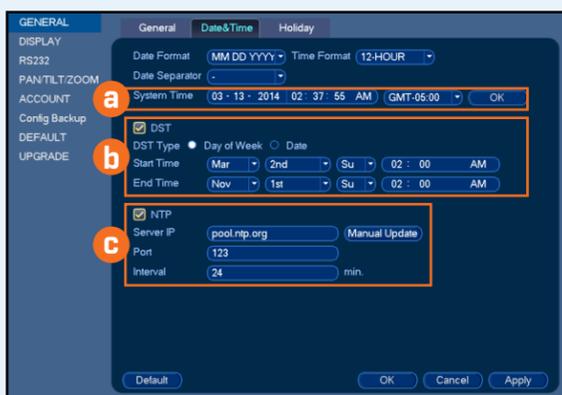
It is important to set the correct time to ensure accurate time stamps on recordings.

To set date and time:

1. In live view, right-click and click **Main Menu**.
2. Log in using the system user name (default: **admin**) and your new, secure password.
3. Click  and select **Setting**.
4. Click **General** and select the **Date & Time** tab.

- a. Enter the current time and select your time zone, and click **OK**.
- b. Check **DST** to enable auto Daylight Savings Time updates.
- c. (Optional) Check **NTP** to sync your system with an Internet time server. Click **Manual Update** to instantly update the time.

NOTE: A constant Internet connection is required to use NTP.



5. Click **Apply** to save changes.

STEP 4: Configuring Deterrence Settings

Set preferences for the automatic warning light triggering on compatible Lorex deterrence cameras. For a complete list of compatible deterrence cameras, see lorex.com/compatibility.

To configure automatic deterrence using DVR:

1. In live view, right-click and click **Main Menu**.
2. Log in using the system user name (default: **admin**) and your new, secure password.
3. Click  and select **Setting**.
4. Click **Event > Motion > Deterrence** (see **Figure 1**).
5. Select the channel of the deterrence camera to configure next to **Camera**.
6. Click the **Enable** checkbox to enable automatic warning light deterrence.
7. Click **Setup** next to **Area** to set the active area for automatic deterrence:
 - The camera image appears with a grid of green boxes over top. The green area is the active area for deterrence.
 - Click or click-and-drag to add / remove boxes from the active area.
 - In **Figure 2**, only motion around the doorway will trigger warning light.
 - Right-click when finished.
8. Click **Setup** next to **Schedule** to set a schedule during which automatic deterrence will be used:
 - The default schedule is active during the night, between 5pm and 7am.
 - Right-click when finished.
9. Click **Warning Light** to set preferences for the warning light:
 - Enter a time for the white light to be active up to 30 seconds.
 - Select **Warning Light** for sustained light or **Strobe** for a flashing light.
 - Click **OK** to save and exit.
10. Click **Apply** to save changes.

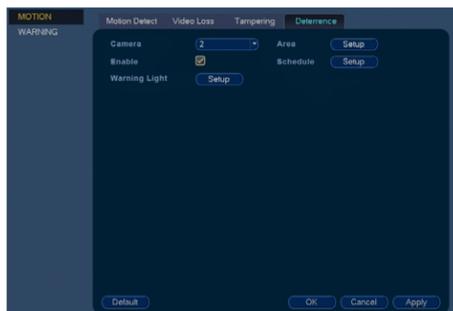


Figure 1: Deterrence Tab



Figure 2: Deterrence Active Area Example

To activate deterrence features manually:

- Press and hold **ESC** on the front panel for 5 seconds. Warning lights and sirens will be activated for all connected deterrence cameras.
- From live display, hover near the top of a channel to reveal the Mini Menu. Click  to activate warning light, or click  to activate siren.



Press and hold for 5 seconds.

Now that you have set up your recorder, see the following reference sections to learn more about using your system.

Reference: Using the Quick Menu

Right-click anywhere on the live viewing screen to open the Quick Menu.



- a. Select camera/live display view.
- b. Control PTZ cameras (not included).
- c. Adjust camera color and image settings.
- d. View system information.
- e. Start/stop sequence mode.
- f. Disable current audible warning.
- g. Search and playback recordings.
- h. Open manual recording controls.
- i. Open Main Menu.

Reference: Using the Mouse

1. LEFT-CLICK:

- **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.

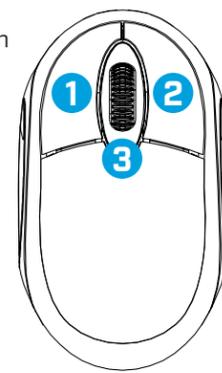
2. RIGHT-CLICK:

- **During live view:** Right-click anywhere on the screen to open the Quick Menu.
- **While navigating menus:** Right-click to exit menus.

3. SCROLL WHEEL:

- **During live view:** Use the scroll wheel to zoom in / out.

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.



Reference: 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:

- Press the **ENTER** button on the front panel.

OR

- Right-click to open the Quick Menu and click **Info**. If prompted, enter the system user name (default: **admin**) and your new, secure password.

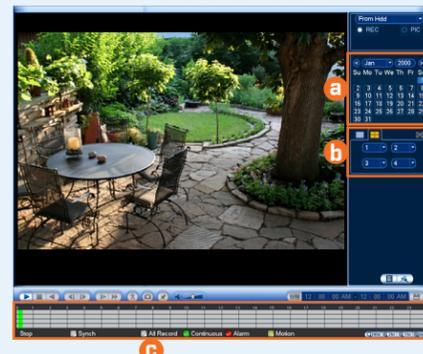
Reference: Playback and Search

Search through and play video recordings from the hard drive.

To search for and play back recordings:

1. From live view, right-click and then click **Playback**.
2. Log in using the system user name (default: **admin**) and your new, secure password.
3. Configure the following:

- a. Use the calendar on the right to select the date to playback.
- b. Use the drop-down menus to select the channels you would like to playback. Click the display options  to playback multiple channels simultaneously.
- c. Click inside the video bar to select the playback time. Playback starts immediately at the selected time.



Reference: Backup

Back up recordings from the hard drive to a USB flash drive (not included).

To back up recordings:

1. Insert a USB flash drive (not included) into a free USB port on the recorder.
2. From live view, right-click and then click **Main Menu**.
3. Log in using the system user name (default: **admin**) and your new, secure password.
4. Click , then click **BACKUP**.
5. Configure the following:

- a. Select the type and quality of recordings to search for.
- b. Select the channel(s) to search by.
- c. Select a start and end time for your search.
- d. Choose a file format for your backed up files.
- e. Click **Add** to see recordings that match your search.
- f. Check boxes next to recordings you want to back up, then click **Start**. You may also click **Onekey Backup** to back up all files that match your search.

