

HOME & BUSINESS SECURITY



 **LOREX**<sup>®</sup>

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**PROSERIES**

# L15LD400 Series

## Quick Start Guide

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## PACKAGE CONTENTS AND INSTALLATION GUIDE:



### System Contents:

- 1 - 15" 4 Channel LCD Monitor with 160GB HDD
- 1 - 10 ft Ethernet Cable
- 1 - Remote Control
- 2 - AAA Batteries
- 1 - Power Adaptor (for monitor)
- 1 - 4 in 1 Power Adaptor (for cameras)
- 1 - Lorex Client 2.0 Software CD
- 1 - PS2 Mouse
- 4 - Color CCD IR Weather Resistant Cameras
- 4 - 60 ft Extension Cables
- 4 - Metal Camera Stands with Mounting Screws
- 1 - User's Manual
- 1 - Software Manual
- 1 - Quick Start Guide

## INSTALLATION GUIDE

### STEP 1

Time



Under 10 Minutes\*

\* Installation time may vary based on application and camera cabling

Tools



Hand Tools

Skills - Easy



Plug & Play connectors,  
On screen set up

### STEP 2

Time



Under 30 Minutes\*

\* Installation time may vary based on application

Hardware



Computer &  
Router\*

Skills - Intermediate



Plug & Play connectors,  
On screen set up

\* Minimum System Requirement: Windows XP, Pentium IV, 256MB Ram (512MB Recommended), 200MB Storage, Internet, DSL or Cable Modem

### STEP 3

Time



60 Minutes

\* Installation time may vary based on application

Hardware



Computer &  
Router\*

Skills - Advanced



Basic Computer  
Skills, Router Port  
Forwarding

\* Minimum System Requirement: Windows XP, Pentium IV, 256MB Ram (512MB Recommended), 200MB Storage, Internet, DSL or Cable Modem



### RECOMMENDED TIPS:

Check Pages 9 and 10 for recommended tips.



### ATTENTION:

Broadband Router and Computers are required (for local and remote monitoring), not included.



### INSTRUCTIONS:

For detailed setup information, please refer to your User's manual.



### SOFTWARE REQUIREMENTS:

For Lorex Client 2.0 Software requirements, please refer to Page 9 of this guide.



# STEP 1 - SET UP YOUR MONITOR FIRST

3

## CONNECT CAMERAS TO THE MONITOR:

Connect the first camera to the CH1 input. Follow the same steps to connect the additional cameras.

1. Connect the Female BNC end of the supplied 60' extension cable to the camera. Connect the male Power end of the extension cable to the camera.
2. Connect the Female end of the supplied 60' extension cable to an open BNC camera input on the back of the System. Connect the female Power end of the extension cable to one of the 4 in one power adaptor.

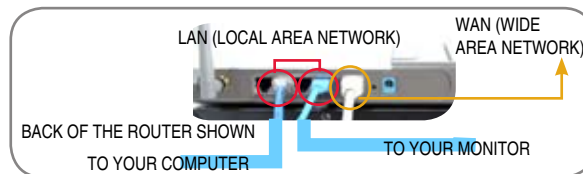


**IMPORTANT NOTE:** The ends of the extension cable are NOT the same - one end has a Male power port, and the other has a Female power port. Before permanently running the Camera Extension Cable, make sure that the cable has been oriented between the Camera and the unit correctly



## CONNECT ETHERNET CABLE:

Connect one end of the ethernet cable to one of the router's (not included) LAN PORTS and the other end to Monitor's Network Port located at the bottom of the monitor. See picture below showing a generic LAN/WAN connection.



## CONNECT THE MOUSE:

Connect the 6 PIN end of the Mouse included with your system to the PS2 port of the monitor.




**MOUSE CONTROL AVAILABLE**

## CONNECT POWER CABLE:

Connect one end of the Power adaptor to the monitor, the other end to an electrical outlet. This unit powers ON once it is plugged in to the power outlet.

**\*\* After you see all four (4) camera images on your monitor screen, remove the protective film from camera(s) and monitor screen.**

## SET THE TIME AND DATE:

1. Press the MENU button from the Front Panel of the Monitor (or Remote Control), or use the Mouse and Click the Menu Icon  located at the bottom of the monitor screen (Show and hide screen becomes available when the Mouse pointer is placed at the bottom of the Monitor).
2. DVR LOG IN screen appears soon after the Menu button is pressed asking for a password. Note: USER ID BY DEFAULT IS ADMIN. Password is numeric and not necessarily needed for initial MENU setup. Press ENTER to enter the MAIN MENU.
3. On the MENU screen select CONFIGURATION and click ENTER.
4. Select TIME AND DATE SETUP to change or alter the factory default settings and press ESC to exit this menu.

**Congratulations! You have completed Step 1 successfully. You can now view, record and playback images on your monitor.**

**Make sure that the Date and Time are set prior to recording.**



## STEP 2 - SET UP LOCAL VIEWING ON YOUR PC

1



**\*YOUR OBSERVATION SYSTEM MUST BE CONNECTED TO A ROUTER PRIOR TO POWERING IT ON.**

### RETRIEVE SYSTEM INFORMATION:

1. Access the Main Menu Setup screens, and navigate to the SYSTEM MENU - EXTERNAL DEVICE - TCP/IP SETUP - IP SETUP option.
2. Record the MAC Address of your system. This information is NECESSARY for the DDNS Setup process.
3. Confirm that the DHCP MODE is set to AUTOMATIC. This will allow your system to lease an IP ADDRESS from your router. If the system not set to AUTOMATIC, change the setting and click IP DETECT - the system will obtain an IP address.
4. The IP PORT is 50000 by default. The IP Address, Gateway and Subnet are assigned to your system by your router. If the settings are not displayed, and the unit is set to DHCP MODE: AUTOMATIC, you may need to click IP DETECT - the system will obtain an IP address.

### RECORD THE IP AND MAC ADDRESSES IN THE SECTION BELOW:

**IP ADDRESS:** \_\_\_\_ . \_\_\_\_ . \_\_\_\_ . \_\_\_\_

**MAC ADDRESS:** \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_

(Required for DDNS registration)

NOTE: The system will lease networking information from your Router. If you wish to set your information manually, then set the DHCP MODE to MANUAL. Please consult your Hardware Manual for further Menu options.

2



### INSTALL SOFTWARE:

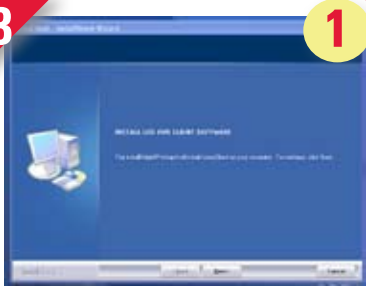
(on your local computer)

Insert the Lorex Client 2.0 Software CD into your local computer's CD ROM drive and proceed with the installation.

For Lorex Client Software requirements, please refer to Page 9 of this guide.

3

1



### LOREX CLIENT 2.0 SOFTWARE:

(on your local computer)

Follow the installation screens to complete Lorex Client 2.0 Software installation.



4



### LOREX CLIENT 2.0 SOFTWARE:

(on your local computer)

Close the CD Menu Screen. A Lorex Client Icon will appear on your desktop.

### RUN THE LOREX CLIENT 2.0 SOFTWARE:

(on your local computer)

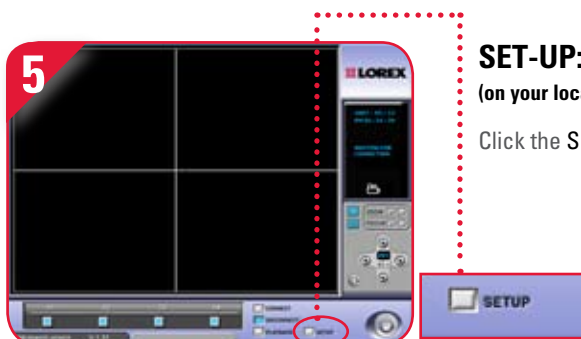
Double-click the Lorex Client 2.0 Software icon on your desktop to run the program.



## STEP 2 - SET UP LOCAL VIEWING ON YOUR PC

CONTINUED

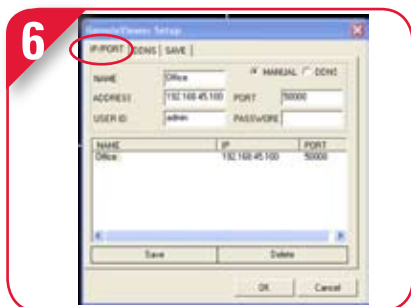
5



### SET-UP:

(on your local computer for local viewing)

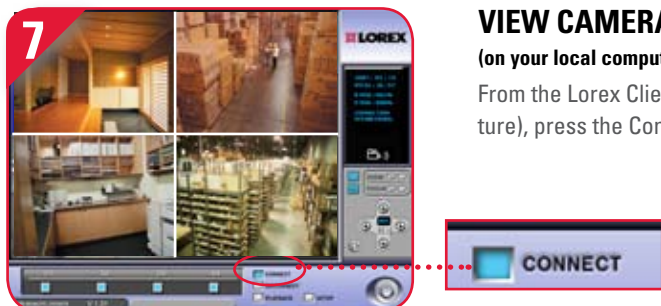
Click the **SETUP** button from the Lorex Client 2.0 Software Screen.



### LOREX CLIENT 2.0 REMOTE ACCESS SETUP

(on your local computer for local viewing):

1. Select the IP/PORT Tab.
2. Click **MANUAL** (for local viewing).
3. **NAME**: Enter a name for the system. E.g. Office
4. **ADDRESS**: Add the IP address recorded earlier at Step 2 - 1
5. **PORT**: By default is set to 50000
6. **USER ID**: By default is admin
7. **PASSWORD**: Leave it blank
8. Press **SAVE** to add the system name you have created.



### VIEW CAMERAS LOCALLY:

(on your local computer for local viewing):

From the Lorex Client 2.0 software - local configuration screen (as shown in the picture), press the **Connect** button to connect to Local Live site to view your cameras.

***Congratulations! You have completed Step 2 successfully.  
You can now view and playback images on your local  
computer over the Local Area Network (LAN).***





## STEP 3 - SET UP INTERNET REMOTE SECURITY MONITORING

1



### PORT FORWARD YOUR ROUTER:

Port forward your router first before proceeding with the set-up (port 50000).

All routers are different. To port forward your router, please refer to your router's user manual.

A router configuration guide is available on your **Lorex Client Software CD** and also on [www.lorex CCTV.com/support](http://www.lorex CCTV.com/support) in the **Consumer's Guide Section**.

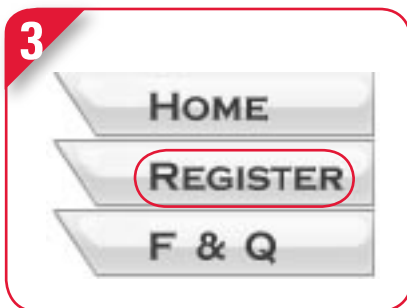
2



### DDNS SET-UP:

Open your web browser (Internet Explorer by default) and enter <http://www.lorexddns.com> in the address bar.

3



### DDNS REGISTRATION:

Select the **REGISTER** option from the list on the left side of the screen.

4



### CREATE NEW USER INFORMATION:

Complete the **NEW USER** fields with your personal information:

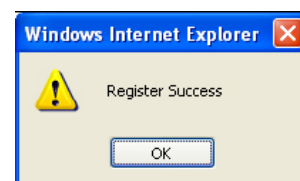
- **USER NAME** - Enter the desired User Name for connection.
- **USER PASSWORD / CONFIRM PASSWORD** - Enter and confirm a password for the connection.

**NOTE:** The username and password provided are NOT the same as the ADMIN/PASSWORD on the Observation System. These credentials are used for your specific connection to your unit.

- **EMAIL** - Enter your Email Address.

Press the **OK** button to save the settings.

A Successful Registration window will appear.





## STEP 3 - SET UP INTERNET REMOTE SECURITY MONITORING

7

5

### LOGIN:

Once the account has been created, you will need to login using your credentials (as set in step 4).

Once the Username and Password have been entered, press the LOG IN button to access the Configuration Menu.

6

### ADD DVR:

Select the ADD DVR link from the top of the page.

The DVR Setup screen will appear:

- **DVR NAME** - Enter the desired name for your Observation System (e.g. MyBusiness) to a maximum of 20 numbers and letters.
- **MAC ADDRESS** - Enter the MAC Address from the system (as retrieved from the System Information in the IP & MAC Address section on page 4). The **MAC ADDRESS IS 12 CHARACTERS WITH NO SPACES OR DASHES.**
- **IP ADDRESS & PORT** - This information can be left blank - the DDNS Service will access your unit based on the MAC Address.

Press OK to save the settings. Once the settings are saved, the configuration will appear in your DDNS List. This configuration can now be added to the Observation System.

DVR LIST						
DVR Name		OK		Backup Player Add DVR User logout		
Number	DVR Name	MAC Address	IP	PORT	Last Modified Year/M / D H : M	Web/Backup/Edit/Delete
1	lorex	0123456789AB			2007/3/20 01:12	Web/Backup/ Edit / Delete
1						

7



### ENTER DDNS SET-UP ON YOUR MONITOR:

Access the Main Menu Setup screens, and navigate to the SYSTEM MENU - EXTERNAL DEVICE - TCP/IP SETUP - DDNS SETUP option.



## STEP 3 - SET UP INTERNET REMOTE SECURITY MONITORING CONTINUED

8



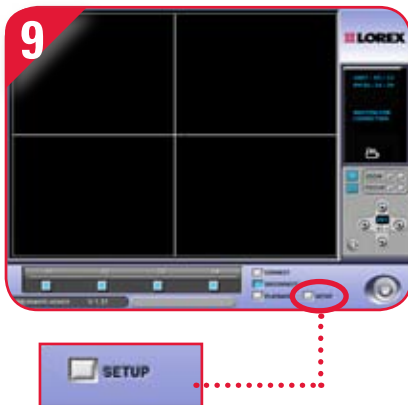
### ENABLE DDNS SETTINGS:

- Set the DDNS ENABLE to ON
- Click on REGISTER

The following will automatically complete after clicking the Register option:

- **DNS SERVER** - Confirm that the IP address is set to **202.133.244.128**
- **INTERVAL** - Set an interval for the DVR to auto-update its IP address to DDNS server (D- days / H- hours / M- minutes).
- **REGISTER** - Connect to the DDNS server and register the DVR information to DDNS database
- **DNS STATUS** - Indicates the current status of DDNS connection.
- **IP ADDRESS** - Indicates the local IP address assigned by the router (the internal IP address of your system).
- **IP PORT** - Indicates the current port number in the system (50000 by default).
- **REMAIN TIME** - Indicate the remaining time until the System next updates the IP address with the DDNS Service.
- **LAST REGISTRATION DATE** - Indicates the last successful date and time that an update occurred. Save the changes, and exit from the menu.

9



### LOREX CLIENT 2.0 REMOTE ACCESS SETUP:

The remote connection information needs to be added to the Lorex Client software to allow for a remote connection (using DDNS).

1. Load the Lorex Client 2.0 Software. Click on **SETUP** to add the configuration.
2. The Remote Viewer Setup window will load to the **IP/PORT** Tab. Click on the **DDNS** option (all settings will be greyed out).

NAME	MyBusiness	<input type="radio"/> MANUAL <input checked="" type="radio"/> DDNS	
ADDRESS	192.168.1.160	PORT	50000
USER ID	admin	PASSWORD	

3. Enter your **DDNS** Information as follows:

- **USER NAME** - Enter the user name you configured on the DDNS Website (default is set to GROUP as an example, and can be deleted).
- **DVR NAME** - Enter the DVR name you configured on the DDNS Website.

4. Click the **SAVE** Button to accept the settings.

5. Click on the **GET IP** button to retrieve the IP Address and Port Number from the DDNS Server.

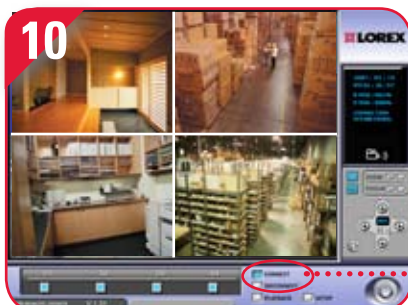
6. Enter the **USER ID AND PASSWORD** for the Observation System:

- **USER ID** - admin (default)
- **PASSWORD** - leave blank (default)

**NOTE:** It is highly recommended that you change the System password. Please refer to your Hardware Manual for menu settings.

7. Press **OK** to save the settings, and close the configuration window.

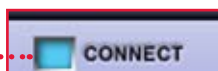
10



### VIEW CAMERAS REMOTELY:

Click the **CONNECT** button to remotely access your Observation System.

**Remote Viewing with Internet Explorer:** Video from the Observation System can be viewed using the Internet Explorer interface (for remote viewing and backup). All Remote functionality through the Internet Explorer interface is provided at <http://www.lorexddns.com>. For more information, please refer to Lorex Client 2.0 Software Manual.



**Congratulations! You have completed Step 3 successfully. You can now view and playback images on your remote computer over the Internet.**





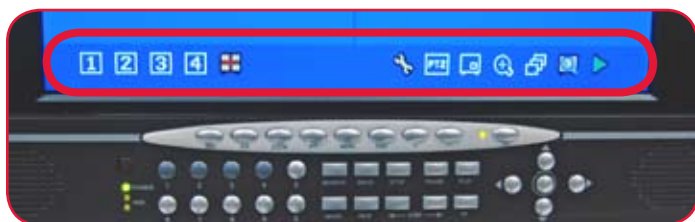
## RECOMMENDED TIPS

9



### LOCATE MONITOR CONNECTIONS:

Tilt the monitor UP to locate your monitor's connections.



### FUNCTION ICONS - AVAILABLE FOR USE ONLY THROUGH A MOUSE



1 2 3 4 FULL SCREEN CH 1 ~4

PLAY IN SEQUENCE

QUAD MODE

OPENS SEARCH WINDOW

MENU

QUICK PLAYBACK

PTZ TO PAN/TILT/ZOOM CAMERA

TO VIEW IMAGE IN PICTURE IN PICTURE MODE

ZOOM

Function icons can be located at the bottom of the Monitor screen (as shown above). A Show and Hide screen readily becomes available when the Mouse pointer is pointed to the bottom of the Monitor.

### LOREX CLIENT 2.0 SOFTWARE REQUIREMENTS:

The Lorex Client 2.0 software (included with the Observation System) has the following installation requirements:

#### MINIMUM SYSTEM REQUIREMENTS:

**OPERATING SYSTEM:** Windows 2000, Windows XP Home Edition, Windows XP Professional  
**PROCESSOR:** Pentium 4 - 1.5 GHz Processor (or equivalent)  
**MEMORY:** 256 MB RAM  
**HARD DRIVE:** 50 MB - Installation space required.  
\* Additional Hard Drive space required for recording.  
Recorded file size will vary depending on recording quality settings

#### RECOMMENDED SYSTEM REQUIREMENTS:

**OPERATING SYSTEM:** Windows XP Home Edition, Windows XP Professional  
**PROCESSOR:** Pentium 4 / 3 GHz Processor (or equivalent)  
**MEMORY:** 1024 MB RAM  
**Hard Drive:** 50 MB - Installation space required  
\* Additional Hard Drive space required for recording.  
Recorded file size will vary depending on recording quality settings  
\*\* Requires a high speed internet connection (minimum upload speed: 256Kb/s, download speed 512Kb/s) and a broadband router – not included.  
Typical network remote viewing at 1-2 FPS.

Please refer to the Lorex Client V2 Software User Guide included with your Observation System for further details.

Visit the Lorex support website at <http://www.lorexccctv.com> for information on Windows Vista compatibility.



## RECOMMENDED TIPS CONTINUED



Pre-installed  
160 GB HDD

### HDD INSTALLATION:

The System comes with a pre-installed Hard Drive, however the unit will work with a replacement single Hard Drive (up to 400GB).

**NOTE:** Make sure that the System is OFF and the power cable has been disconnected before changing the Hard Drive. For detailed instructions, check your user's manual included with the system.

### SETTING THE NEW DRIVE TO MASTER:

- Refer to the General Jumper Pin Setting on HDD Surface (generally located on a sticker on the top of the drive).
- Set the Jumper Pin Set to Master (1 Drive). **NOTE:** Use a Hard Drive Model with a power supply rated UDMA66 or higher.

### CONNECTING THE IDE CABLE:

- Confirm the IDE Cable is securely connected within the System.

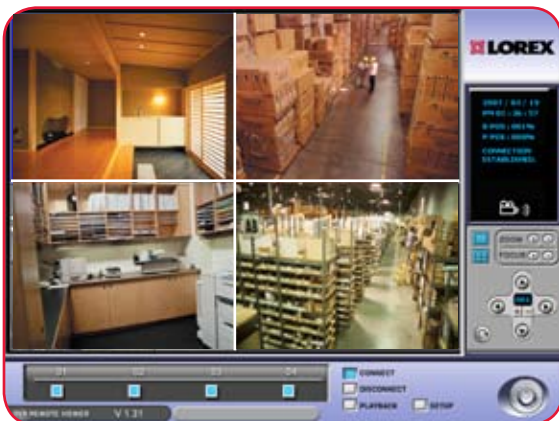
### FORMATTING THE NEW HARD DRIVE:

The New Hard Drive **MUST** be formatted. If a new HARD DRIVE is detected, the system will prompt you to **FORMAT** the drive. Please refer to the system's user manual for HDD installation.



### TIP ON CAMERA MOUNTING:

**Note:** Test the cameras prior to selecting a permanent mounting location by temporarily connecting the Cameras and Cables to your L15LD400 DVR Combo System.



### TIP ON REMOTE VIEWING AND PLAYBACK:

**NOTE:** You must have an active internet connection to the Observation System to be able to perform Remote viewing or playback. Remote access is dependant on your connection speed, internet traffic and other network factors - the speed is normally 1~2 FPS (frames per second).

For faster playback, it is recommended to download previously recorded video using the backup function and play it back using Backup Player 2.0 Software - refer to the user manual for details.

Regardless of the network playback speed, video is being recorded on your system in real time, and can be viewed when you are at the system or through the backup player.



# *It's all on the Web*

[www.lorexcctv.com](http://www.lorexcctv.com)



For detailed setup information, please refer to your User's Manual. For additional information about determining your IP address, configuring your router, and port forwarding, please visit our website [www.lorexcctv.com/support](http://www.lorexcctv.com/support) and click **Consumer Guides Section** or view guides from the **Lorex Client 2.0 Software CD** included with your system.

Email Support: [support@lorexcorp.com](mailto:support@lorexcorp.com)

Toll Free Technical Support - North America: 1-888-42 LOREX (1-888-425-6739)

Toll Free Technical Support - International (outside of North America): 00-800-425-6739-0

Lorex International Website - [www.lorexinternational.com](http://www.lorexinternational.com)

### PRODUCT SUPPORT

- ☒ Specification Sheet
- ☒ User's Manual
- ☒ Lorex Client Software Manual
- ☒ Quick Start Guide
- ☒ Portforwarding Guide
- ☒ Basics of Remote Video Access Guide

### QUICK SET-UP GUIDE

### USER'S MANUAL

### FAQ