



L23WD Series Quick Setup Guide

PACKAGE CONTENTS:

- 23" Widescreen LCD DVR
- HDD Pre-Installed*
- Mouse
- Remote Control
- Power Supply
- Cameras & stands*
- Camera extension cables*
- Ethernet cable
- Software application CD
- Quick Start Guide
- Owner's Manual

ATTENTION:
 * * Number of Channels/ Screen Size/ Cameras/ Accessories/ Port configuration and HDD (hard disk drive) capacity may vary by model. Check your package for specific content information.

Exclusive Octaplex Operation



It's all on the Web



For detailed setup information, please refer to your included User's Manual. For additional information, please visit our website www.lorextechnology.com

* For setup of Instant Mobile Viewing and MAC Compatibility refer to your User Manual.

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DEMO PRESS & HOLD

View the System Demo on the System with a press of a button (10+)

BASIC SYSTEM SETUP

BASIC INSTALLATION GUIDE

Time: 20 Minutes | Hand Tools | Skills - Easy

STEP 1

1 Connect DIN Cameras to the System:

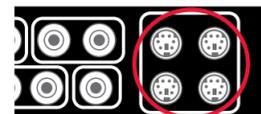
* Connect cameras to extension cables by aligning the arrows.

NOTE: The arrow mark on top of the flat side of the camera and cable connectors should face outwards when connecting to the system. This aligns cable pins from being bent. If the pins are bent, the camera will not function.



TIP: Test the cameras prior to selecting a permanent mounting location by temporarily connecting the Cameras and Cables to your System.

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



NOTE: You cannot connect BNC and DIN cameras to the same channel simultaneously.

TIP: Tilt the System UP to locate the connection ports. The DIN inputs are located in the center.



OPTIONAL

1a Connect BNC Cameras to the System:



Male Power Connector - The male power connector end of the Extension cable connects to the Camera.

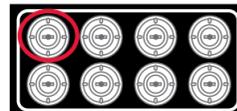


Female Power Connector - The female power connector (barrel) end of the Extension cable connects to the Power Adaptor.

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

If you are using BNC cameras:

1. Connect the extension cable to the camera.
 - a. Connect the Male Power connector to the camera.
 - b. Connect the BNC connector to the camera.
2. Connect the extension cable to the system.
 - a. Connect the BNC connector to an available BNC port on the system.
 - b. Connect the Female Barrel Power connector to a power adaptor.
3. Connect the Power Adaptor to a wall outlet.



BASIC SYSTEM SETUP

BASIC INSTALLATION GUIDE

Time: 20 Minutes | Hand Tools | Skills - Easy

STEP 1

CONTINUED

2 Connect the Ethernet Cable:

Connect one end of the Ethernet cable to an available port of your router (not included) and the other end to the System's Network Port.



3 Connect the Mouse:

Connect a USB mouse to the USB port on the front panel of the system.



4 Connect the Power Cable:

Connect one end of the power adaptor to the System and the other end to an electrical outlet. The power connector faces outward and only goes in one way. **Do not force.**



PRESS THE MONITOR POWER BUTTON ON - LOCATED AT THE FRONT OF THE MONITOR.

NOTE: Please wait until the system completes loading. This may take up to 15 seconds.

5 User Name & Password

By default, the system does not require a password to login to the system.

TIP: It is recommended to change the default password after the initial setup is complete.

To Log in
USER: ADMIN
PASSWORD: 1234

The Virtual Keyboard

The system automatically opens the virtual keyboard when you double-click a blank field, or when you need to enter system information.

To use the Virtual Keyboard:

1. Click any desired letter, number, or character.
- NOTE:** Click "A" to shift between upper and lowercase letters.



6 Setting the Date & Time

1. Click **SETUP** in the status bar.
 - The **SETUP** window opens.
2. Click **SYSTEM SETUP**. The **MAIN** window opens.
3. Click **SYSTEM**. The **SYSTEM** window opens.
4. Under **DATE TIME**, manually select the date and time (ww/mm/dd; hh/mm/ss) and adjust using the **▲▼** buttons.

NOTE: It is highly recommended to set the time on the system prior to doing any recording.



5. Click **APPLY** and then click **CLOSE** to save your changes.

TIP: Under **NETWORK TIME SERVER SETUP**, click **SYNC** to synchronize the system to the network time server (the system must be properly connected to your network in order to use this function).

NAVIGATION AND CONTROLS

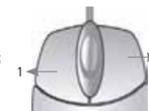
BASIC INSTALLATION GUIDE

Time: 20 Minutes | Skills - Easy

STEP 2

1 Mouse

Left-Button: While navigating menus, click to select a menu option. While in a split-screen display mode, double-click an individual channel to view it in full-screen; double-click again to return to the split-screen display mode. **Right-Button:** Right-click anywhere on the screen to open the Quick Menu.



2 Status Bar



The Status Bar (is always ON by default) gives you access to different modes and functions of the system.

3 Main Menu

1. Click **SETUP** in the Status Bar.
 - The **SETUP** window opens.
2. Click **SYSTEM SETUP**.



4 Quick Menu

Right-click on any channel (in viewing mode only) to open the **Quick Menu**. The **Quick Menu** allows for quick access to key functions, including quick playback, PIP, volume, and keylock. Click anywhere outside the **Quick Menu** to exit.



Congratulations! You have completed **STEP 1 & 2** successfully. Your system is now ready to use. Refer to the owner's manual to learn how to record, search, playback, and use other advanced features and all other features available with this system.

Logging into Web Remote Viewer (LOCALLY):

1. Press the **RETURN** button once on the remote control or on the front panel of your system. Under the **SYSTEM INFORMATION** screen you will find your system's IP address.
2. From your local computer, open Internet Explorer and type in the local IP address and Port number (e.g. <http://192.168.1.100>). A login window appears.

<http://your local IP address>

EXAMPLE



3. Enter in your System's user ID and password. The Web Remote Viewer window opens.
4. Click the Active X menu bar near the top of the browser. Click Install ActiveX Control.



LOCAL LIVE SITE

LOREX EASY CONNECT INTERNET REMOTE VIEWING - BASIC

REMOTE VIEWING INSTALLATION GUIDE

Time: 20 Minutes | Hardware - PC | Skills - Easy

STEP 3A

ON YOUR PC

1 Easy Connect Setup

Router port forwarding is not required
 Using your Internet Explorer web browser from your computer (Windows operating system only) Go to <http://lorex.yoics.com> and create an account.



Detailed instructions available in the User Manual. For more advanced remote monitoring refer to Step 3B.



NOTE: There is no "www" in front of the address. The system must be connected to your local network router for Yoics to automatically detect the system.

2. A pop-up window opens and informs you that your device has been detected. Click **CONTINUE** in the registration screen to enable Yoics Easy Connect.

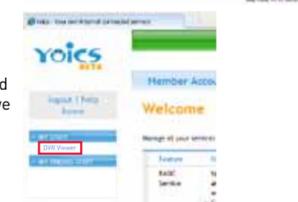


3. You can rename your system (e.g. myoffice). Click **REGISTER NOW**. After the registration, your system will be detected automatically.



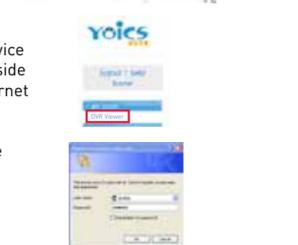
4. Your system now appears on the left side bar under "My Stuff"

NOTE: This service is provided free of charge. You do not have to click the Upgrade Now button to use the Remote Viewer service.



Connect to your DVR

5. Click on the name of your device under "My Stuff" on the left side bar. Install ActiveX when Internet Explorer prompts you.
6. Enter the System User Name (ADMIN) and Password (1234) and click **OK** to login to the system.



Congratulations! Now that you have a Yoics account set up you can log in to <http://lorex.yoics.com> to remotely view your cameras from anywhere in the world using Internet Explorer web browser (Windows operating system only).

LOREX EASY CONNECT INTERNET REMOTE MONITORING ADVANCED

LOREX EASY CONNECT INTERNET REMOTE MONITORING ADVANCED (AUTO PORT FORWARD WIZARD)

LOREX EASY CONNECT INTERNET REMOTE MONITORING ADVANCED

LOREX EASY CONNECT INTERNET REMOTE MONITORING ADVANCED

LOREX EASY CONNECT INTERNET REMOTE MONITORING ADVANCED

STEP 3B
ON YOUR SYSTEM

REMOTE VIEWING INSTALLATION GUIDE
Time: 60 Minutes | Hardware: PC/Router | Skills: Advanced

STEP 3B
CONTINUED

OPTIONAL
ON YOUR PC

STEP 3B
CONTINUED

DDNS
ON YOUR PC

STEP 3B
CONTINUED

DDNS
ON YOUR PC & SYSTEM

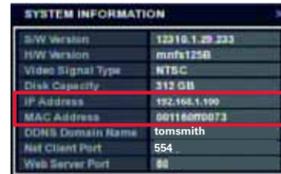
STEP 3B
CONTINUED

DDNS
ON YOUR PC

This step offers more advanced internet remote monitoring features. If you are only interested in instant remote viewing (Step 3A) you can skip Step 3B.

1 Retrieve the System Information

- Press the **RETURN** button once on the remote control or on the front panel of your system.
- Under the **SYSTEM INFORMATION** screen you will find your system's **IP** and **MAC** addresses.



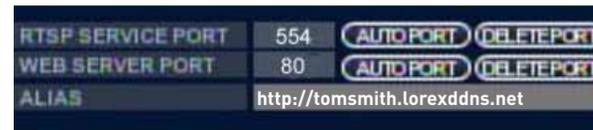
Record the IP and MAC Addresses in the section below:

IP ADDRESS : _____

MAC ADDRESS : _____

(Required for DDNS registration)

2 Auto Port Forward (via System with UPNP enabled Router):



To enable auto port forwarding:

- Click **SETUP** in the status bar.
- Click on **SYSTEM SETUP**.
- Click on **NETWORK**.
- On **RTSP SERVER PORT**, click on **AUTOPORT**. Wait for a **SUCCESS** message.
- On **WEB SERVER PORT**, click on **AUTOPORT**. Wait for a **SUCCESS** message.
- Press **APPLY** to save your changes.
- Under **ALIAS** make sure the DDNS link appears [e.g. <http://tomsmith.lorexddns.net>]

NOTE: The Auto Port feature works with UPNP (Universal Plug & Play) routers only. If you do not get a **SUCCESS** message, your router may not be compatible with this feature. Use the Auto Port Forwarding Wizard to automatically configure your router.

NOTICE

SUCCESS
Go To Step 3B7

WARNING

FAIL/NO DEVICE
Go To Step 3B3

3 Auto Port Forward Wizard

The Lorex Auto Port Forwarding Wizard is a software that automates router port forwarding.

You must have the following before you configure the software:

- Your router's **model** and **version** numbers
- Your router's **user name** and **password**
- Your Lorex device's **IP** address
- Your Lorex device's **port** numbers that require port forwarding



4 Installation

- Insert the system's software CD, select the **Lorex Easy Connect Internet Setup Wizard** and follow the instructions to register, download and launch the Wizard.

5 Step 1: Populate the Router Database

The Auto Port Forwarding Wizard automatically populates a list of current routers, and detects the number of connected routers.

- Click the **Next** button after the software detects your router configuration.



Step 2: Enter your Router Settings

- Under the Router drop-down list, select the model of your router **OR** click the **Search** button to enter the name of your router model.

NOTE: Click the **Auto Detect** button if you have a Linksys or Netgear router (works with most models).

- Under **Router IP**, click the **Detect Router IP** button. The router's IP populates in the blank field.
- Under **Username** and **Password**, enter the router's username and password.
- Under **IP**, enter the IP address of your Lorex device as recorded in Step 3B-1.
- Under **Port**, enter the port number(s) that require forwarding (80, 554).
- Click **Next** to continue.



Step 3: Update the Router Settings

- Click the **Update Router** button. The program begins updating the router settings. This may take 20 - 30 seconds.
- Close the **update** window when the update finishes.



Step 4: Test your Connection

- Click the **Test Your Connection** button. Your system's default browser opens and connects to your Lorex device.

NOTE: Ensure that Internet Explorer is your system's default internet browser.

To Log in
USER: ADMIN
PASSWORD: 1234

6 Manual Port Forward (optional):

If you were unable to port-forward your router automatically using the wizard, you will need to do so manually.

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

An example of a port forwarding screen is shown for illustration purposes.

Ports: **80 (Web Port)**, **554 (TCP/IP port)**.

EXAMPLE

Application	Start	End	Protocol	IP Address	Enable
System	80	80	Both	192.168.1.12	<input checked="" type="checkbox"/>
System	554	554	Both	192.168.1.12	<input checked="" type="checkbox"/>

7 DDNS (Dynamic Domain Name System) Set-up:

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

<http://www.lorexddns.net>

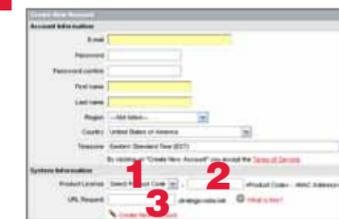


8 Create Account:

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



9 Complete New Account Information:



- For **PRODUCT LICENSE** select the **L23WD Series** option from the drop down menu.
- For **PRODUCT CODE** enter the Monitor's **MAC** address (recorded in step 3B-1).
- For **URL REQUEST** enter a unique URL name [e.g. tomsmith].
NOTE: URL name should not be more than 15 characters.

10 Registration Email:

An automated **REGISTRATION CONFIRMATION EMAIL** will be sent to your email. Print and Save this confirmation. You will need this information to access your System remotely.

Service Provider: dns1.lorexddns.net
Domain Name: tomsmith.lorexddns.net

User ID: tomsmith

Password: [your password]

EXAMPLE

11 Enter DDNS Set-up on your System



- Click **SETUP** in the status bar.
 - The **SETUP** window opens.
- Click **SYSTEM SETUP**.
- Click **NETWORK**.
 - The Network window opens.
- Click the **DDNS** tab on the left.
 - The **DDNS** window opens.
- Under **USER ID**, enter your **DDNS** user name.
- Under **DOMAIN NAME**, enter only the first portion of your DDNS domain from the confirmation email. For example, if your domain name is tomsmith.lorexddns.net, you only need to enter tomsmith in the text field.
- Under **PASSWORD**, enter your **DDNS** password.
- Click **APPLY** to save your settings or click **CANCEL** to restore defaults.
- Click **STATUS** to ensure the **DDNS** has been set up correctly. If the **DDNS** is set up correctly, a message will read **"Success"**. If the **DDNS** is not set up correctly, a message will read **"Fail"**.
- Click **CLOSE** to exit.

12 Logging into Web Remote Viewer (REMOTELY):

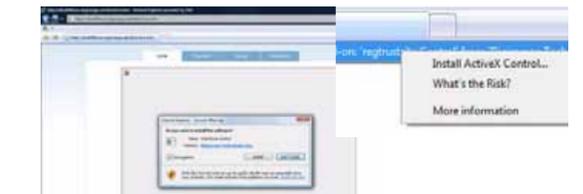
- On your computer, open Internet Explorer, and type in the **DDNS** address you registered with the L23WD.

<http://tomsmith.lorexddns.net>



- A login window appears.
- Enter in your System's user ID and password. **USER: ADMIN, PASSWORD: 1234**. The Web Remote Viewer window opens.
- Click the Active X menu bar near the top of the browser. Click Install ActiveX Control.
- Click Install when the security window opens.
- Click the ActiveX toolbar when the main Web Remote Viewer window opens. Click Install ActiveX Control.
- Click Install when the security window opens. The Web Remote Viewer automatically detects and connects to your system after the ActiveX plug-in installs.

NOTE: Remote viewing is only compatible with Internet Explorer & Safari (Safari supports Viewing only and does not support Search or PTZ controls). Other browsers are not supported.



REMOTE LIVE SITE*

*If you are unable to connect remotely over the internet make sure to perform steps 3B3 to 3B5 Auto Port Forwarding Wizard.

Congratulations! You have completed 3B successfully. You can now view, playback images on your Remote Computer via WAN (wide area network) and Remotely control the system on your Remote computer over the Internet (Wide Area Network).