

Prerequisites

USB Mouse, USB Keyboard, and Flash Drive with latest firmware for your model

Firmware

Daktronics regularly performs LG firmware validation. The table below indicates the minimum firmware version required.

Updated: 2024-07-10

Display Model Family	webOS Platform	LG Firmware Version	LG Micom Version	Release Date	Link
32SM5J, SM5J, UH5J, UH7J, UL3J	6.0	03.28.00	6.04.3/3.04.3	17-Nov-2023	Download
37BH7N	6.0	03.81.10	6.04.5	02-Nov-2023	Download
UL3G, UH5F, UH7F, UM3DG, UM3DF, UM3F, SM3G	4.1	03.24.70	4.04.7/1.02.0	22-Dec-2023	Download
22XE1J, 22XF1TJ, XS4G, XS4J	4.1	3.64.70	4.03.3	06-Oct-2022	Download
XE4F	4.0	04.26.00	6.02.4/4.02.1	30-Aug-2023	Download
UH5PE, UM3E, UH5F, UH5E, SH7E, SM5KE	4.0	04.11.90	4.04.7/1.02.0	22-Dec-2023	Download

Note: XS4G does not support HDMI input passthrough with the current LG Firmware.

Checking Firmware

The current firmware can be checked via the **Settings Menu** as described. Please see below.

- Using the remote, click **Settings**. Then, select **General** from the left-side menu and select **System Information**.
- Review the information for all displayed items, including: Model, webOS version, firmware (S/W version), and more. Refer to **Figure 1** and **Figure 2**.

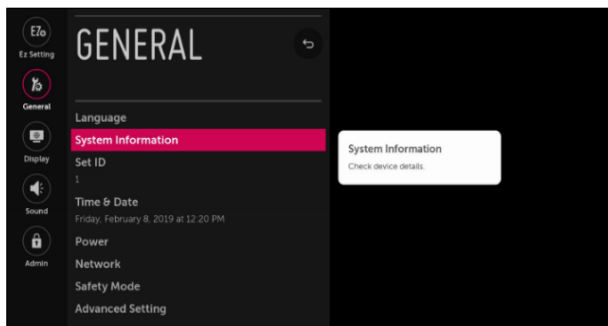


Figure 1: General Menu

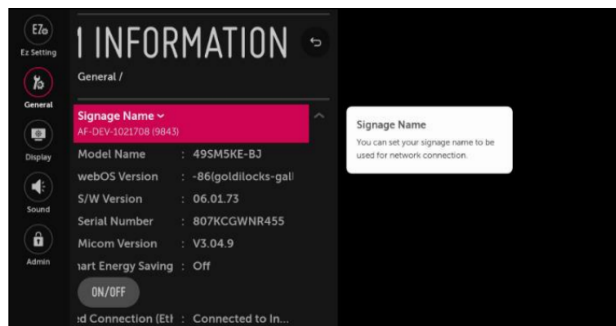


Figure 2: System Information Menu

Firmware Update Procedure

Use these steps to update the firmware:

1. Copy the firmware file into a folder called "LG_MONITOR" on a suitably sized USB drive.
2. Turn the screen on and plug the USB drive into an available USB port on the back of the screen.
3. Wait a few moments after plugging in the USB drive, and then verify that an onscreen message is displayed indicating that a USB drive was connected.
4. A "Software Update" landing page will be displayed indicating the current version (Signage SW Version) and the version contained on the USB drive (USB SW Version).
5. Using the remote, highlight the **Update** button and press **OK**.
6. A progress bar will be displayed during the update; do not unplug, power off the display, or remove the USB drive during the update process.

Firmware Downgrade Procedure

There may be a scenario where downgrading the firmware is required. The following steps outline this process:

1. Using the remote, click **Settings**.
2. Highlight the **General Tab** and press the number 7 on the remote seven times. Refer to **Figure 3**.
3. A software update screen will appear. Highlight **Ext.MICOM** and press **OK**. After, highlight **Update** and press **OK**. Refer to **Figure 4**.

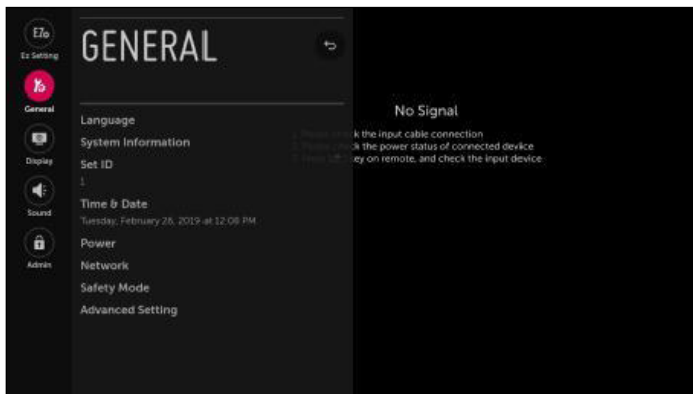


Figure 3: General Menu

4. The screen will reboot once the firmware update is complete.

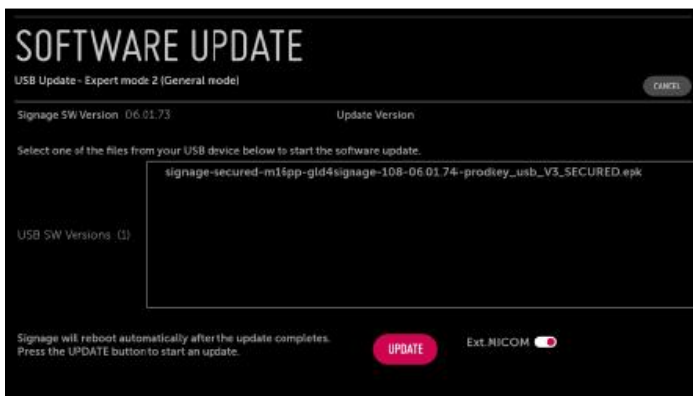


Figure 4: Software Update Screen

Screen Setup

Apply the following settings prior to the software installation.

Setting or Checking the Network Configuration

The display can operate over a wired or wireless network connection.

1. Using the remote, click **Settings**. Refer to **Figure 5**.
2. Select **General** from the left-side menu and then select **Network**. Refer to **Figure 6** and **Figure 7**.
3. Select **Wired** or **Wi-Fi Connection** to setup a static IP or wireless profile. Refer to **Figure 8** and **Figure 9**.

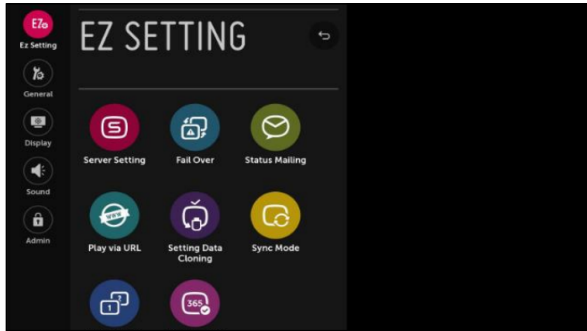


Figure 5: Settings Menu

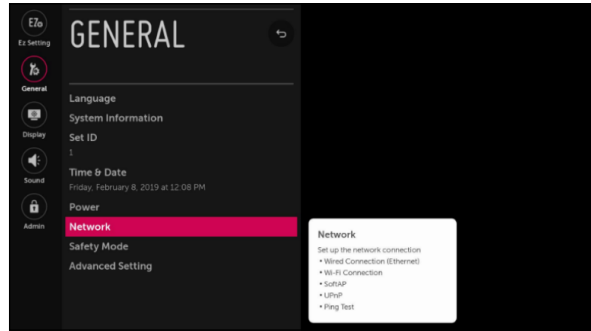


Figure 6: General Menu

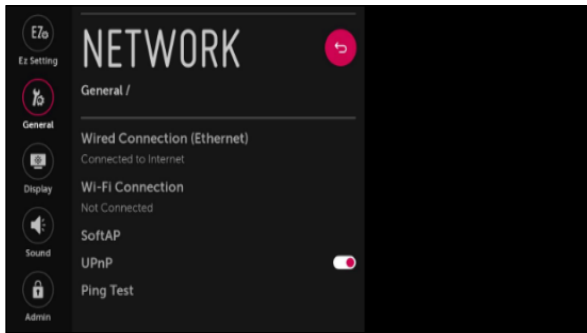


Figure 7: Network Menu

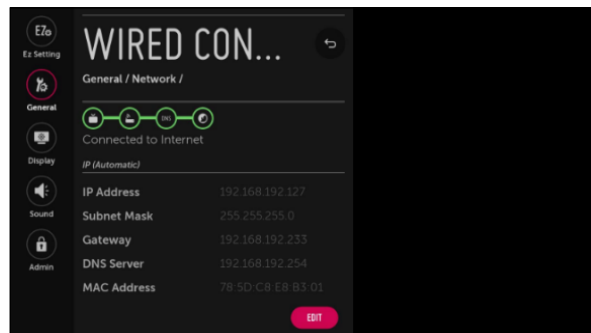


Figure 8: Wired Connection Menu

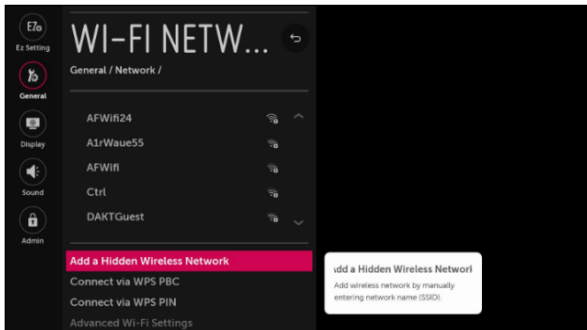


Figure 9: Wi-Fi Network Menu

Verify that "Play via URL" is Disabled

Use these steps to verify that the "Play via URL" is disabled:

1. Press the **Settings** button on the remote.
2. Select **Play via URL** in the **EZ Setting** menu.
3. Verify that **URL Loader** is off.

Sync the Time

Use these steps to sync the time:

1. Press the **Settings** button on the remote.
2. Select **General** from the left-side menu and then select **Time & Date**.
3. Enable **Set Automatically**.

Software Installation

To install the Daktronics Web Player on the LG webOS display, perform the following steps.

Note: While the remote can be used for this step, a keyboard is recommended.

Using the remote and referring to **Figure 12**, press the **Settings** button and follow these steps:

1. Select **EZ Settings** and navigate to **Server Setting**. Refer to **Figure 10**.
2. Enable **Fully Qualified Domain Name**.
3. Input the following URL:

http://vcs.tv
4. Change **Application Launch Mode** to **Local**.
5. Change **Application Type** to **IPK**.
6. Under **Local Application Upgrade**, select **Remote**.
 - In the confirmation dialog presented, select **Confirm** and press **OK**.
 - In the completion dialog presented, select **OK**.
7. Power Off then Power ON the screen using the **Power** button on the remote
8. Confirm that the device registration screen appears. This code will be used in the VCS Displays app to connect a display. Refer to **Connecting a Display (p.7)** for more details. Refer to **Figure 11**.

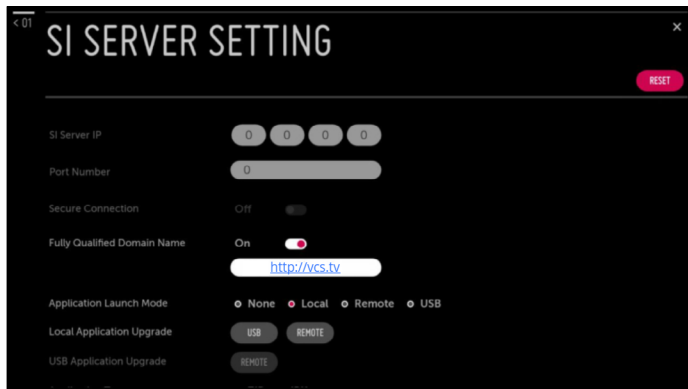


Figure 10: SI Server Settings

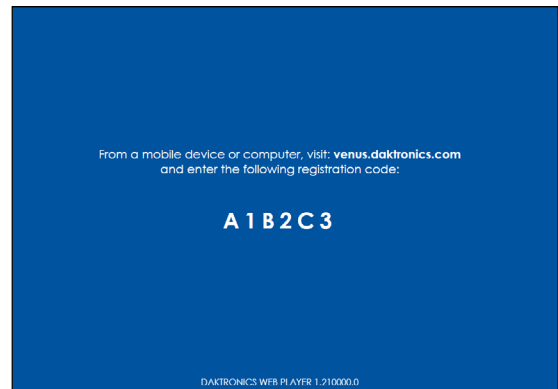


Figure 11: Device Registration Screen

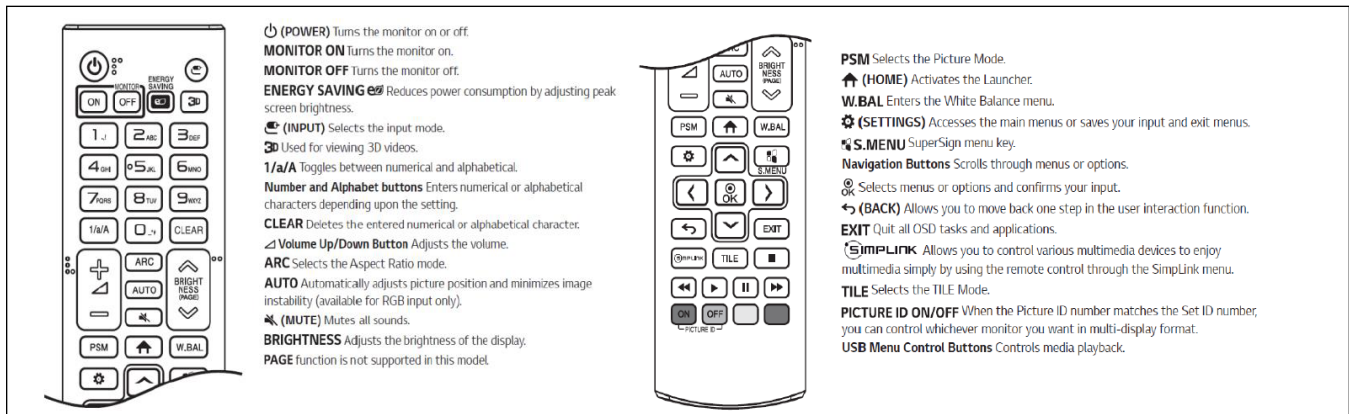


Figure 12: Remote Button Layout

Screen Troubleshooting/Miscellaneous Settings

Temporary Access when Remote Control is Disabled

There may be a scenario where the remote control / IR functions of the display have been disabled and the connection to VCS is lost.

To temporarily regain access to the remote, enter the sequence below using the remote control:

1. Hold down the **Settings** button for seven seconds to access the **Service** menu.
2. Enter all 0's for the password at the service menu.
3. An on-screen menu will be displayed.

Note: The remote control will now function for the duration the on-screen menu is being displayed. Once the menu is exited, the steps will need to be repeated to regain access.

Dashboard

An information dashboard is available by pressing the **Home** key on the remote. Refer to **Figure 13**.

This page provides a quick view of the display configuration, including the Signage Name (VCS Device Name), network setup, and LG software version (webOS firmware). Each grey tile can be selected to view more information.

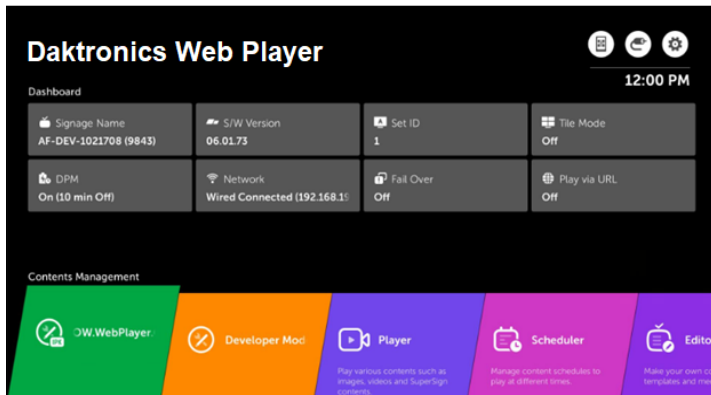



Figure 13: Web Player Dashboard

Connecting a Display

The **Displays** app houses all display and device setup and management. It is accessed via Venus Control Suite. See Venus Control Suite Launchpad Quick Guide ([DD5160552](#)) for more information on accessing VCS.

Use the following instructions to connect or edit a display:

1. Navigate to the **Displays** App using the **My Apps** menu. Refer to **Figure 14**.
2. If the current display exists, edit the display and move to Step 4. If the current display does not exist, click **Add New** from the **Displays** app dashboard.
3. Use the various **Display Configuration** tabs to configure the display. Refer to **Figure 15**.
4. Enter the previously recorded total **Width** and total **Height** to configure the size correctly. Refer to **Figure 15**.
5. Select the **Devices** tab. Refer to **Figure 16**.
6. Click .
7. Enter the six digit registration code. Refer to **Figure 17**.
8. Click **Save**.

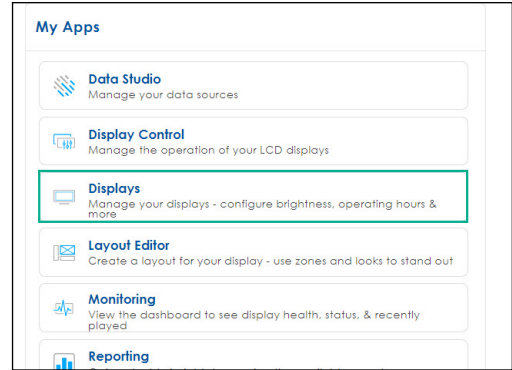


Figure 14: Displays App

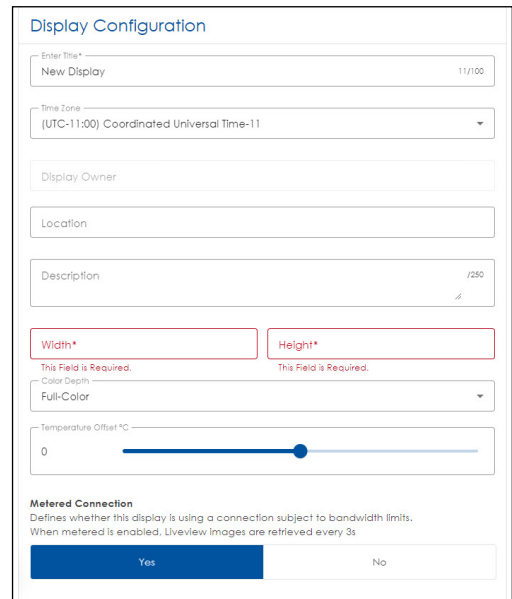


Figure 15: Display Configuration

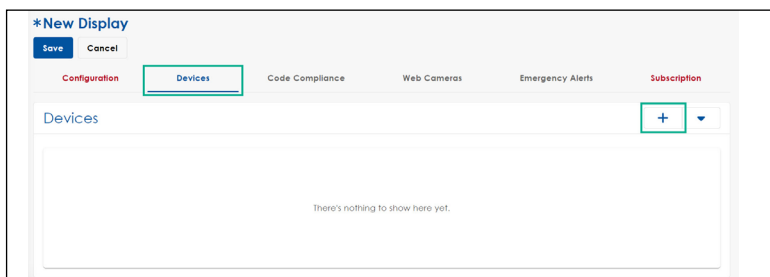


Figure 16: Add a Device

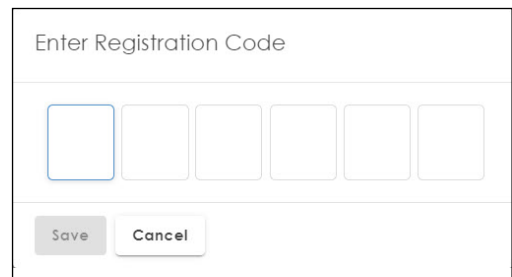


Figure 17: Enter Registration Code