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: 2024-10-24

Display Model Family	webOS Platform	LG Firmware Version	LG Micom Version	Release Date	Link
32SM5J, SM5J, UH5J, UH7J, UL3J	6.0	03.70.60	6.05.2/3.04.6	18-Jul-2024	<u>Download</u>
37BH7N	6.0	03.81.10	6.04.5	02-Nov-2023	Download
UL3G, UH5F, UH7F, UM3DG, UM3DF, UM3F, SM3G	4.1	03.25.40	4.04.7/1.02.0	16-Apr-2024	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	04.12.70	4.04.7/1.02.0	16-Apr-2024	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.

- 1. Using the remote, click Settings. Then, select General from the left-side menu and select System Information.
- 2. 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.



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Figure 5: Settings Menu





Figure 7: Network Menu



Figure 9: Wi-Fi Network Menu

Figure 8: Wired Connection 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 Luanch 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 11: Device Registration Screen





Figure 12: Remote Button Layout

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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 **A 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.

Daktronics	Web Player			H	¢
Dashboard				:	L2:00 PM
 Signage Name AF-DEV-1021708 (9843) 	 S/W Version 06.01.73 	Set ID 1		Tile Mode	
DPM On (10 min Off)	Network Wired Connected (192.1)	Fall Over 68.19 Off		 Play via URL Off 	
Contents Management					
OW.WebPlayer	Developer Mod	Player	Call Andrewson and	Scheduler	Editor

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

visplay Configuration	
Enter Title*	
New Display	11/100
Time Zone	
(UTC-11:00) Coordinated Universal Time-1	n -
Display Owner	
Location	
Description	1250
Description	4
Width*	Height*
This Field is Required	This Said is Required
Color Depth	This Field is Regulad.
Full-Color	-
Temperature Offset °C	
0	
0	

Figure 15: Display Configuration

*New Display Save Cancel					Enter Regi
Configuration Devices	Code Compliance	Web Cameras	Emergency Alerts	Subscription	
Devices				+ •	
	There's nothing t	to show here yet.			Save C

Enter Re	egistration	Code		
Save	Cancel			

Figure 16: Add a Device

Figure 17: Enter Registration Code



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