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PADS4 Viewer on webOS Signage 3.2 (3.0+)

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1. First time use

During the installation you will have to enter the URL of the PADS4 Server. Best approach is to complete the installation of the PADS4 Server first, before continuing the configuration of the device.

When you turn the device on for the first time it will automatically show the configuration wizard. Follow the steps and specify settings, as mentioned in the table below.

LG configuration wizard

Step	Description
01	Language selection
02	Do not change the default settings for rotation, timers etc..
03	Select Start

To perform a factory reset of the device follow the next steps:

Step	Description
1	Press Settings button (cog icon on remote control)
2	Select Admin
3	Select Turn On
4	Press keys 0 0 0 0 which is the default pin code
5	Confirm to start the factory reset

2. Firmware check

Steps required to check the firmware version:

- 1) Press Home button on the remote control
- 2) Select Information Application

Check the current WebOS3.2 firmware version.

Using a firmware version lower than specified may cause the PADS4 Viewer to lose functionality. Please check with LG if installation of the firmware requires additional actions.

Minimum PADS4 Viewer version	Minimum WebOS3.2 Firmware version
4.8.6xxx February x th 2018	3.0.1.90
4.10 January 10 th 2019	4.2.20 (recommended)

- 1) Release notes info and download firmware from the LG website (webossignage.developer.lge/device/firmware). This requires an account.
- 2) Copy the .epk file into the LG_MONITOR folder of a USB stick. Insert the USB stick into the monitor and the device will detect the USB and start the update screen automatically

3. Specify URL launch settings

The URL specifies the location of the PADS4 Server.

When hosting PADS4 on HTTP (default) the form of the URL is

<http://<server>/pads4/native/lg.zip>

where <server> is the IP address or domain name of your PADS4 Server.

When hosting PADS4 on HTTPS the form of the URL is

<https://<server>/pads4/native/lg.zip>

where <server> is the domain name of your PADS4 Server.

Steps required to specify the URL launch settings:

Step	Description
1	Power on button
2	Press Settings button (cog icon on remote control)
3	Select EZ Settings
4	Select SI Server settings from right menu and press OK
5	Set Fully qualified domain name to ON
6	Set the Url as specified above
7	Set the desired rotation (0,90,180,270)
8	Set application launch mode to local
9	Installation type must be set to zip!
10	Select local application upgrade Remote
11	Select Confirm to start the upgrade
12	After download power off/on the device

When finished the device will download the software and start the PADS4 Viewer. A connection indicator and the generated PADS4 Viewer name will be displayed in the lower left corner of the screen. If the connection fails, open the Viewer log from the options screen (see step 4).

4. Adjust PADS4 Viewer options using the options screen






















PADS4 Viewer options can be adjusted directly on the display.

















To enter the options screen on the device itself, a mouse must be connected. Click the left or right mouse button and hold this down until a menu appears.

Changing Viewer options can also be managed afterwards from a central location using the PADS4 Agent.

5. Supported features & limitations

The following features and limitations are related to webOS Signage 3.2 (3.0+)

Area		Support
Display models		List with compatible display models for WebOS3.2
Portrait mode		Use PADS4 rotation option to set the screen in portrait mode.
Block Remote Control		Option to prevent the usage of a remote control to operate the screen.
HTTPS		Supported
Video		Maximum of 2 full HD videos. Check out the WebOS documentation for the limitations. *Video element rotation not supported *Reflection, skew and flipping not supported Detailed information about support for media files and resolutions can be found at the PADS4 Support portal
		Support HTTP, HTTPS, HLS V3, UDP, RTP and RTPS(multicast) streaming *If the stream uses an encoder different from MP4, it is possible to add the encoder in the URI: mp4, mpegts, mp2t Example: rtp://239.0.0.1/?encoding=mpegts
		Seamless video's *in landscape orientation only
Image		Support for JPG, PNG, BMP, GIF
Text		Supported
Line		Supported
Shape		Supported
Scrolling text		Supported
Formatted Text		Supported
Flash		Supported *there is no support to detect end of flash presentation when playing. Functions such as play once next page and detect end of presentation are not supported
Table		Supported
Interactive Button		Supported *Mouse cursor options not supported *Interactive Data filter & sort dialog window not supported
Playlist		Content from PADS4 Content Library & URL supported
Web		Supported. *Usage of the interactive Address Bar not supported
Colors		Supported *Texture and pattern colors are not supported
Data providers		All PADS4 data providers (70+) supported
Transitions		Supported *Horizontal and vertical blinds not supported *Increasing circle, splitters and sliced circle not supported

Rules		Presentation, Page and Element rules supported
Offline Content Library storage		PADS4 Content Library is stored on the local device.
MD5 check		PADS4 Content Library file integrity is checked during synchronization using MD5
Offline Schedules		All scheduled presentations are cached local
Offline Data		Data retrieved from data providers is cached local
Property bindings		Supported
Viewer variables		Supported
Software updates		Automatic software updates supported
Turn Off Display		Turn off display when no presentation scheduled
PADS4 Agent		PADS4 Agent supported. *The following Viewer functionality: Screenshot, Viewer Log, Synchronization Log, Viewer Settings, System Info, Fonts, Viewer Blackbox and Proof of Play
		Refresh device supported
		Reboot device supported
		Display current connection state supported
		Viewer variables supported
		Monitoring & Alerts supported *The following functionality: Network connections
		Wake On Lan

6. General limitations

Data Providers	Data providers always make use of the PADS4 data server. A HTML5 Viewer is not able to read the information itself from the source.
Content Library	Support for content from PADS4 Content Library . *Content from file is not supported when pointing to a local disk location.
Proof of Play	Local storage limitation of max. 50.000 records on the HTML5 Viewer during offline period. When the 50.000 is hit, the oldest value will be removed first.
Storage capacity	Storage capacity for content differs per device and browser.