PADS4 Viewer on WebOS3

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 & Country selection
02	Rotation. Click on 'Exit first use' Do not change the default settings for rotation,timers etc..

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

Step	Description
1	Press and hold Settings button until an balloon icon appears at the right top
2	Press keys 0 0 0 0 followed by OK key on remote control
3	Select signage setup menu
4	Select factory reset option (at the bottom of the menu)
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 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 Firmware version
4.7.6297 March 29th 2017	4.21.10 (SM5C)
	4.30.90 several bug fixes
4.10 January 10th 2019	4.73.60 Older firmware versions will not support seamless play of videos

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 and hold Settings button until an balloon icon appears at the right top
3	Press keys 8 0 8 0 followed by OK key on remote control
4	Set Application launch mode to local
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	Select remote option
9	Confirm to start
10	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 WebOS3.

Area		Support
Display models	🟢	[List with compatible display models for WebOS3](#)
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 webossignage.developer.lge.com
	🟢	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 *Increased 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 *Synchronization speed performance cost due to MD5 calculation
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.