








# SETUP GUIDE

ICC

# iCOMPTEL<sup>®</sup> ICC LG WEBOS 3

24/7 TECHNICAL SUPPORT AT 1.877.877.2269 OR VISIT BLACKBOX.COM

Player Info	PLI	Actions	Actions History	Alarms
Get Screen Shot				
Get Support Snap Shot				
Display On Screen Diagnostics	<input type="checkbox"/>			
Preview Channel	<input type="checkbox"/>			
Reboot Player		Last Rebooted: 03:21 PM 08/30/2019		
Update Player Software		Last Updated: 03:14 PM 08/30/2019		
Update Firmware				
Reinstall Player		Default configuration 		
		<input checked="" type="checkbox"/> <input type="checkbox"/>		
		Last Install: 03:07 PM 08/30/2019		



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# CHAPTER 1: INSTALLATION

Plug in the screen and power on.

You can also plug a keyboard into the screen to help with setup.

## 1.1 SETUP

1. Using the remote, select your Language, Continent, Country and, if applicable, Time Zone.
2. Press OK.
3. Set the Rotation to the appropriate orientation you wish to display.
4. Select a Network setting, either Wired if you are using an Ethernet cable or Wi-Fi. If the latter, enter the relevant network password.
5. For the On/Off Timer, Black Box recommends that you set this to Always On as otherwise players may unexpectedly turn off despite instructions from the managing ICC.
6. You will now be taken to a screen with no signal. Hold the Settings button on the remote until a gray box appears in the top right of the screen.
7. Enter 8080 and press OK on the remote.
8. A server menu will now appear. Change Application Launch Mode to Remote and Fully Qualified Domain Name to On.
9. Now enter your ICC URL into the URL text box using the following format:

`https://ICC*****.domain.com/soc`

or

`http://<IPaddress>/soc`


NOTE: Ensure that you append '/soc' to the end of the URL.

10. Now press the Back button in the top right of that menu and reboot the player.
11. The player will now connect to the ICC and install the Install Code page. This may take a few minutes and the player may reboot.

NOTE: This can alternatively be done remotely. See installing configurations.

# CHAPTER 1: INSTALLATION

## 1.2 INSTALLING CONFIGURATIONS

1. On your ICC, click the Manage Players  icon or navigate to Home > Manage Players.
2. Select the player from the list.
3. Click the Actions tab.

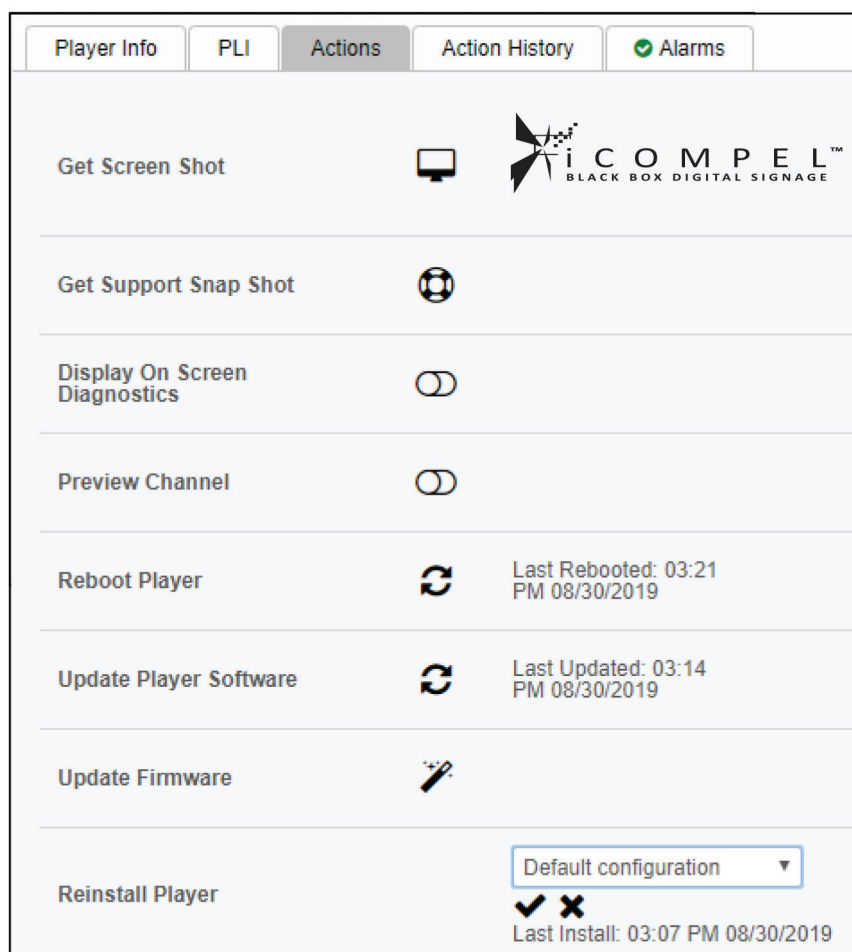



FIGURE 1-1. ACTIONS TAB



4. Click on the plug  icon.
5. Select the preferred configuration from the drop-down menu.

NOTE: During initial setup, when an SoC player displays the install code page, you can use the reinstall feature on the ICC to install the player. This allows for a remote install rather than typing an install code into each player.

6. Click the tick button and the new configuration will install.

# CHAPTER 1: INSTALLATION

## 1.3 CREATING CONFIGURATIONS

1. Click the Manage Players  icon in the top right-hand corner of the ICC. You can also reach this page by navigating to Home > Manage Players.
2. Click the Settings  icon on the left-hand side.

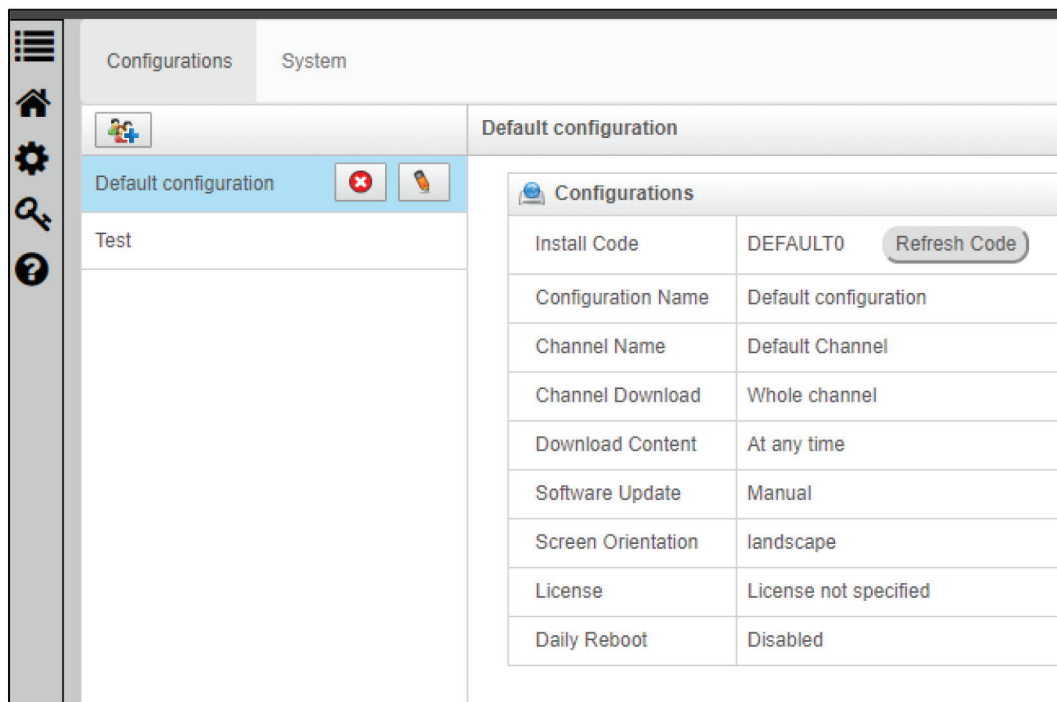



FIGURE 1-2. CONFIGURATION MENU

3. Click the Add Configuration  button.
4. Type the name of the configuration and from the drop-down menus, select the appropriate channel, screen orientation and license you want your configuration associated with. If you wish to restrict the channel download to specific times, click Restricted Times and enter the appropriate values.

This feature allows you to add and edit configurations. Therefore, you can install screens with pre-set orientations and channels.

# CHAPTER 1: INSTALLATION

**Add Configuration** [X]

Configuration Name

Channel Name

Channel Download  Whole channel  
 Content matching conditional play

Download Content  At any time  
 Restricted times

Software Update




Screen Orientation

Daily Reboot  Disabled  
 Reboot daily at

License

FIGURE 1-3. ADD CONFIGURATION SCREEN

## 1.4. EDITING OR DELETING CONFIGURATIONS

1. Click the Manage Players  icon in the top right-hand corner of the ICC or navigate to Home > Manage Players.
2. Click the Settings  icon on the left-hand side.
3. Select a configuration in the list. It will highlight blue and two icons will appear to the right.
4. To edit:
  - a. Click the Edit  icon and a pop up will appear showing you the installation code.
  - b. You can rename the configuration, select a different channel, set channel download options, change the screen orientation or associated license and other options.

## CHAPTER 1: INSTALLATION


The screenshot shows a dialog box titled "Edit Configuration" with a close button (X) in the top right corner. The dialog contains the following fields and options:

- Install Code:** Text input field containing "DEFAULT0".
- Configuration Name:** Text input field containing "Default configuration".
- Channel Name:** Dropdown menu showing "Default Channel".
- Channel Download:** Radio button selection. "Whole channel" is selected.
- Download Content:** Radio button selection. "At any time" is selected.
- Software Update:** Dropdown menu showing "manual".
- Screen Orientation:** Dropdown menu showing "landscape".
- Daily Reboot:** Radio button selection. "Disabled" is selected. The "Reboot daily at" option is also visible with a time field set to "00:00".
- License:** Empty dropdown menu.

At the bottom of the dialog are two buttons: "Cancel" and "Save".

FIGURE 1-4. EDIT CONFIGURATION SCREEN

5. To delete:

- Click the Delete  icon.
- This will open a pop up asking if you are sure. Select Yes.

## CHAPTER 2: SUPPORTED FORMATS

This section lists all the streaming protocols and media file formats supported on WebOS Signage 3.0.

### 2.1 AUDIO

TABLE 2-1. SUPPORTED AUDIO FORMATS

FILE EXTENSION	MEDIA CONTAINER	CODE	NOTES
.mp3	MP3	MPEG-1, MPEG-2, Layer 2, Layer 3	<ul style="list-style-type: none"> <li>• Bit rate: 32 – 320 Kbps</li> <li>• Sample frequency: 16 – 48 KHz</li> </ul>
.wav	WAV	PCM	—
.ogg	OGG	Vorbis	—
.wma	WMA	WMA	—

### 2.2 IMAGE

TABLE 2-2. SUPPORTED IMAGE FORMATS

IMAGE FILE EXTENSION	FILE FORMAT
.jpeg, .jpg, .jpe	JPEG
.png	PNG
.bmp	BMP
.wma	WMA

### 2.3 FLASH

NOTE: On WebOS Signage, FLV and F4V files are playable only by using the <video> element.

TABLE 2-3. SUPPORTED FLASH FORMATS

FLASH PLAYER	Version	Flash Player v11.1
	Action Script	Actionscript v2.0, Actionscript v3.0
GRAPHIC	Resolution	1920 x 1020 (FHD)
	Runtime-Load Image Type	PNG, JPEG
SOUND	Format	AAC, MP3
	Sample Rate	16 kHz, 32 kHz, 44.1 kHz
FLASH VIDEO	HW Codec	H.264 (with AAC audio only)
	Recommended Video Resolution	Up to FHD (1080p)
	Recommended Audio Sample Rate	44.1 kHz
STREAMING PROTOCOL		HTTP(s), RTMP/RTMP-e





## CHAPTER 2: SUPPORTED FORMATS

### 2.4 VIDEO

NOTE: The maximum supported video resolution is Full High Definition (FHD 1920 x 1080).

**TABLE 2-3. SUPPORTED FLASH FORMATS**

FILE EXTENSION	CODEC	
.ast, .wmv	Video	VC-1 advanced profile (WVMA excluded), VC-1 simple and main profiles
	Audio	WMA Standard (WMA v1/WMA speech excluded), WMA 9 professional
.dlvx, .avi	Video	DivX3.11, DivX4, DivX5, DivX6, XVID (except 3 warp-point GMC), H.264/AVC, Motion JPEG, MPEG-4
	Audio	MPEG-1, Layer I, II, MPEG-1 Layer III (MP3), Dolby Digital, Dolby Digital Plus, LPCM, ADPCM, DTS
.mp4, .m4v, .mov	Video	H.264/AVC, MPEG-4
	Audio	AAC, MPEG-1 Layer III (MP3)
.3gp, .3g2	Video	H.264/AVC, MPEG
	Audio	AC, AMP-NB, AMR-WB
.mkv	Video	MPEG-2, MPEG-4, H.264/AVC, VP8
	Audio	Dolby Digital, PCM, DTS, MPEG-1 Layer I, II, MPEG-1 Layer III (MP3), Vorbis, AAC
.ts, .trp, .tp, .mts	Video	H.264/AVC, MPEG-2
	Audio	MPEG-1 Layer I, II, MPEG-1 Layer III
.mpg, .mpeg, .dat	Video	MPEG-1, MPEG-2
	Audio	MPEG01, Layer I, II, MPEG-1 Layer III (MP3)
.vob	Video	MPEG-1, MPEG-2
	Audio	Dolby Digital, MPEG-1, Layer I, II, DCE-LPCM
.webm	Video	VP8, VP9
	Audio	Vorbis, Opus

## CHAPTER 3: KNOWN LIMITATIONS

- ◆ NTB level gapless playback: this is a known limitation with LG WebOS players. The gapless playback will not be to the same level as the NTB and requires the configuration detailed in this document to be met. If the player cannot play one of the videos, then the player will fall back to playing the videos non-gapless.
- ◆ Movies/images: Use media of a similar size to the zone, because otherwise scaling may cause loss of quality.
- ◆ GIFs: avoid using multiple animated GIFs as these can cause playback issues.
- ◆ Video opacity: is not supported.
- ◆ SoC players do not yet support the Show part of Movie option for the Movie Size property.
- ◆ Letterbox mode is the only supported rendering mode for videos within gapless playback.
- ◆ LG cannot play audio and video soundtracks at the same time. Users must set volume to 0 on other items as appropriate.
- ◆ External storage: Kingston Datatraveler USBs are not recommended for use with external storage, because this may lead to connectivity issues.



## CHAPTER 4: DISCLAIMER/TRADEMARKS

### 4.1 DISCLAIMER

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