



LH57

LH55

LH56

LH58

# Smart TV (LH57) vs. NetCast

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## API

This category of Smart TVs (LH57 and its derivatives LH55, LH56, and LH58) provides light-weighted features of NetCast TV. It supports less APIs (features) than NetCast 4.0. The following table shows the NetCast APIs that are **not supported or partially supported by this light version of Smart TV**:

API	Method/Property	Description
Membership	All	These APIs are not supported on Smart TV (LH57 and its derivatives).
Billing		
AppToApp		
Voice Recognition		
Media	mode3D	Sets a specific 3D format in 3D mode.
	support3DMode	Checks the compatibility of 3D format.
	supportMouse	Checks whether the TV supports the Magic Remote. Smart TV (LH57 and its derivatives) does not support Magic Remote.
Device	supportVoiceRecog	Checks whether the TV supports the voice recognition. Smart TV (LH57 and its derivatives) does not support voice recognition.
	supportPentouch	Checks whether the TV supports the pen touch feature. Smart TV (LH57 and its derivatives) does not support pen touch.
	pentouchInfo	Gets detailed information of the touch pen. Smart TV (LH57 and its derivatives) does not support pen touch.

### Note

The Smart TV (LH57 and its derivatives) does not support the system virtual keyboard. You cannot use the system virtual keyboard related extensions such as `window.NetCastSystemKeyboardVisible`. Use [virtual keyboard library](#) instead.

## userAgent String

The Smart TV (LH57 and its derivatives) supports userAgent String as shown below:

```
Mozilla/5.0 (Unknown; Linux armv7l) AppleWebKit/537.1+ (KHTML, like Gecko)
Safari/537.1+ LG Browser/6.00.00(+mouse+3D+SCREEN+TUNER; LGE; model_name; 00.00.00;
0x00000001; LCD_SS1A); LG SimpleSmart.TV-2016 /00.00.00 (LG, model_name, wired)
```

## Memory Management

The Smart TV (LH57 and its derivatives) uses smaller memory than NetCast TV. To best manage the memory, do the following:

- Develop an app that does not have a memory leak.
- Keep the browser processor (your app and browser) smaller than the total available memory (150 MB).
- (Recommended) Use [Outofmemory event and NetCastgetUsedMemorySize](#) to check the memory status.

**Note**

The available memory of Smart TV (LH57 and its derivatives) may change without notice at platform updates. Keep it in your mind when planning and designing your app.