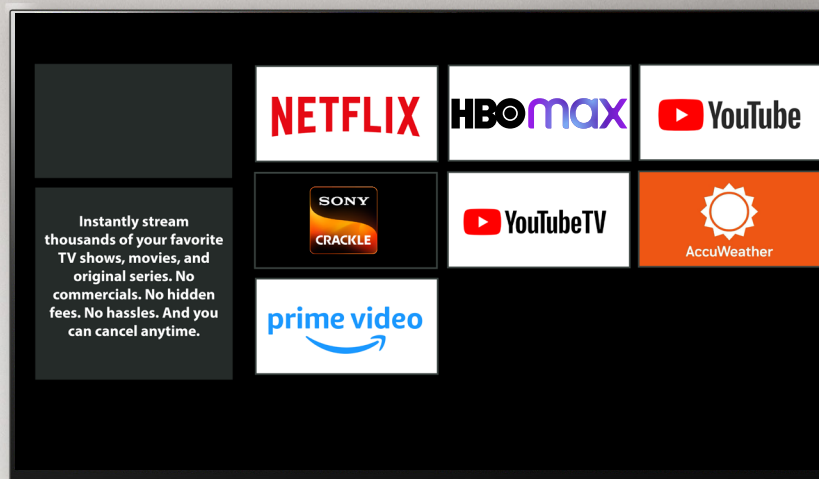


LG Pro:Centric[®] SMART Platform

Streaming and Casting Applications for Hospitality



LG Pro:Centric[®] SMART



Streaming and Casting Applications for Commercial Use

LG supports a number of applications on its Commercial Pro:Centric smart (HTML/ Web OS Platform). These are made available to customers via its System Integrator (SI) partners who are responsible for delivering and supporting the end solution hosted on the television.

The business terms for using these applications varies by Content Provider and type of service offered - some are free to use, others require guest or property subscriptions. This document describes all of

the available applications and the basic license requirements for both hotelier customers and SI partners to help them choose which applications they would like to offer the guest and the necessary business/licensing terms.

The following applications are supported on the LG Pro:Centric Smart Platform and listed by category of service. Note, that not all apps are available on every model, but as a 'rule of thumb', all television models support the same apps if they are the same version of webOS.

Smart Applications ad Casting Supported on Hotel TV

INFORMATION APPS		
	AccuWeather™ is a free weather forecasting service and is an embedded app available to all without any licensing restrictions.	 
	Web Browser - LG offers a web browser service on the platform for guest use and is free to use without restriction. Browser History is cleared from the television under SI control.	 
STREAMING VIDEO APPS		
	Subscription service offers 100+ popular channels, including the broadcast networks (ABC, CBS, NBC, PBS, The CW, and FOX), plus an impressive selection of news, sports, entertainment, and kid-friendly programming options.	  
	YouTube™ video service is an embedded app which is available to all without any licensing restrictions.	 
	The app provides a version of the YouTube™ service oriented towards children and is available as a free embedded app.	 
	HBO Max is available as a web app to properties that subscribe to the HBO premium TV channel package. No guest sign-up or account is required on the TV and guests can access all the HBO library the hotel brand is required to contract with HBO.	 
	Crackle is an Ad-based free service offered by Sony Studios and is available as a free embedded app to all properties without restriction in the U.S. only. No guest login credentials are required.	 
	Netflix is available as an embedded streaming app on certified webOS models (3.0, 5.0 & 23) using either an approved SI or the Pro:Centric DIRECT system. The guest is required to have a Netflix account which can be accessed using an on-screen QR code from their mobile device. The SI is responsible for guests' credential clearance via the PMS interface check in/out notification and meeting the Netflix-specific requirements for data collection and reporting, branding, logo placement, and remote control launch button.	  
	Prime Video is a streaming video service by Amazon available with the guests' Prime membership account where they can view hundreds of TV shows and movies.	  
	SONIFI In Theater Movies App - SONIFI's robust Video On Demand library is available as a web app for your iTV platform. The guest accesses the In Theater Movies App via the in-room TV and requires a valid credit card on file with the hotel - which is verified through the PMS interface. Revenue earned through purchases are shared between SONIFI and the hotel property. Other SI's can license this App through SONIFI by contacting Matt Coplan at 605-988-1768 or at MCoplan@sonifi.com	  
MUSIC STREAMING APPS		
	Pandora® is a free, personalized internet radio/music web app. Guest needs to access their account, so credential clearance is required. SI is required to license the app direct with Pandora and will be assigned a unique URL for their use.	  
OTHER		
	Provides access to thousands of Peloton® classes anytime, anywhere, without equipment using guests' own All Access subscription account.	  
CASTING		
	Apple AirPlay® enables a guest to privately and securely stream movies, music, photos and more directly from their iPhone® or iPad® to the LG TV in their room. AirPlay is supported on all smart devices from webOS 5.0 onwards. Third Party SI is required to sign-up to Apple's Developers Portal and obtain certification approval.	  
	Google Cast software is embedded in the LG smart hotel TVs so that guests can watch content from their streaming services without the need for additional hardware in the room. Google Cast works from both Android and iOS devices to the LG smart hotel TVs. Third party SI required for networking solution.	  

There are two types of applications available on the LG platform - Either "Embedded" apps or "Web" apps. Embedded Apps are typically what ships with the TV/STB or can be downloaded when launched from the LG business cloud service. The app is developed by LG and the Content Partner to reside on the TV and be launched via a third party SI Partner Entertainment System App. Web Apps are where the app resides in the cloud or internet, and the TV launches a browser to a predefined URL with associated security credentials to access the service.

Smart Apps can be accessed and launched by a guest within LG's Pro:Centric Application GUI assuming the server is licensed and configured correctly. Also, third party SI Partner Apps can launch the embedded apps via a menu placement within their user interface, which initiates the launch via the Pro:Centric hcap API (Application Program Interface). The SI can select which apps are enabled or not (on behalf of the hotelier) via the Pro:Centric Admin Client or API.

If an App requires entering of personal credentials of a guests' account (e.g. Netflix) the TV will erase these at a check in/out event notified via the Property Management System (PMS) interface meaning the TV will retain the guests' credentials during the period of their stay.

LG always recommends an SI is used by the hotel to manage the deployment, presentation and support of smart Apps as they have the resources and technical skill to address issues such as network bandwidth provisioning, PMS interfacing, IP networking, television programming, application management and support. In addition, they will have the necessary business terms or License Agreements in place with LG.

All of the Applications supported on the LG Platform are licensed and certified for use in a commercial hospitality environment, e.g. in a hotel room and operating on either a LG Pro:Centric smart TV or STB.