**Introduction**

The STB-3500 is the latest introduction to the Pro:Centric set top box family and adds integrated b-LAN for PPV system compatibility and support for a hardware expansion module. The hardware expansion module enables third party System Integrator partners to add their own modules to deliver expanded feature sets. As an example, a DOCSIS 3.0 cable modem card is offered to provide IP-over-coax network connectivity to the STB-3500.

Featuring television control interfaces of MPI, MTI and LG TLM (RS-232), the STB-3500 has the ability to interface to most commercial grade televisions currently in use. The STB-3500 can be seamlessly integrated with televisions supporting a commercial control port to add new functionality and provide system integrators a cost effective means to deliver a common user experience across multiple brands of televisions. Consumer grade televisions lacking integrated control functionality are not supported.

The STB-3500 supports the same HTML5 development environment and API (Application Program Interface) as LG’s Pro:Centric IPTVs, so that the same third-party applications developed by LG’s System Integrator partners can also operate on the set-top-box.

The STB-3500 has new capabilities that optimize the guest experience which include:
- An enhanced Pro:Centric webOS platform which supports multi-threading enabling it to run multiple applications simultaneously
- Bluetooth functionality that allows users to connect their personal devices to stream music
- Access to an expanded list of SMART applications, including “Over-The-Top” video services and games
- Soft Access Point to enable a guest to connect their personal devices for internet access.
- Improved mobile device pairing process for guests using Smart Mirroring.
- DOCSIS 3.0 modem upgrade option for IP over coax communications (additional head-end equipment required)

**Features**

- **Pro:Centric® Smart IPTV Platform:**
  - Web Browser, Expanded list of Embedded Smart Apps
- **Guest Connectivity:** Smart Mirroring, Wi-Fi Direct, Wi Di, Smart Share
- **Embedded Pro:Idiom® decryption for non-Pro:Idiom TV’s**
- **IP Streaming and RF Tuning**
  - Integrated b-LAN for PPV/VOD support
  - Supports RF/IP content delivery
- **HD Channel Support** (up to 1080p)
- **Pro:Centric Application Support for non-Pro:Centric TVs**
  - Interactive Electronic Program Guide
  - Gold Application with branded UI and electronic billboards
  - Smart Apps launch (V3.5)
- **Interfaces:** Optical Digital Audio Out, HDMI In/Out, Composite AV IN, USB, LAN, RS-232, MPI/MTI television control interfaces
- **Rear of TV installation** (VESA pattern mounting points)
- **Accessory Kit includes:** PSU and Cables - HDMI, Control, (RS-232 and MPI/MTI), Composite AV adaptor
- **Plug-in Hardware Accessory Slot** Expansion for system integrators to provide optional features extensions to the STB-3500. DOCSIS 3.0 modem option available for IP-over-coax installations.
The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.

The STB-3500 supports “second screen” sharing and options includes WiDi™, Wi-Fi Direct™ and Smart Mirroring technologies, which are used to pair guests’ mobile devices with the STB enabling them to share and view their content on the large HD screen.

The STB-3500 is the latest addition to the Pro:Centric family that provides a unique and dedicated hotel application platform for hosting LG’s SI (System Integrator) Partners interactive applications, enabling delivery for a wide range of custom applications tailored to both hotel management and guest needs.

The STB-3500 is a full IPTV platform with built-in IP video decoding supporting both IP and RF connectivity. Leveraging the Pro:Centric IPTV platform enables SI Partners to integrate their client software directly into the STB to enable control of content on LG and other manufacturers commercial televisions.

The STB-3500 supports embedded Wi-Fi for streaming of content to the Television or back channel communications.

The STB-3500 also includes remote diagnostic tools for partners to manage their systems and monitor the STB’s on the network by the head-end or cloud based server for maintenance and admin purposes.

The Pro:Centric Applications Platform

LG Pro:Centric® Smart offers SI’s the ability to customize and optimize a property’s TVs with interactive IP-based applications including HTML5, Java and Flash programs to provide premium hotel services.

LG Pro:Idiom® unlocks access to premium content to help assure rapid and broad deployment of HDTV and other high value digital content.

Pro:Idiom has been designed specifically for users of premium HDTV content from cable, satellite, or video on demand (VOD) services, and is thus designed to lower costs and reduce maintenance needs. This leading DRM system is embraced for its security solution, which prevents illegal copying of copyrighted content.

The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.

The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.

The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.

The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.

The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.

The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.

The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.
# STB-3500

## General Specifications
<table>
<thead>
<tr>
<th>Feature</th>
<th>STB-3500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (w/o package)</td>
<td>14&quot; x 1.4&quot; x 7.9&quot;</td>
</tr>
<tr>
<td>Weight (w/o package)</td>
<td>4.96 lbs</td>
</tr>
<tr>
<td>Weight (w/ b-LAN)</td>
<td>5.9 lbs</td>
</tr>
</tbody>
</table>

## Video
- Triple XD Engine: Yes
- Output Resolution: 720p/1080p/1366 x 768
- AV In (4Pin Phone Jack): Yes
- Audio Line Out (3Pin Phone Jack): Yes
- Digital Audio Out (Optical): Yes
- HDMI Out: Yes
- LAN Port: Yes
- HDMI Out: Yes (1)
- TV Link Configuration: (phone jack type)

## Audio
- Optical Sound Sync (SPDIF): Yes

## Special Features
- ProCentric: Yes (Smart)
- Smart Energy Saving: Yes
- Video Mute: Yes
- Auto Off / Auto Sleep: Yes
- Multi IR Code: Yes
- Auto Off / Auto Sleep: Yes
- Video Mute: Yes
- Smart Energy Saving (Auto Power Off): Yes

## Interface
<table>
<thead>
<tr>
<th>Feature</th>
<th>STB-3500</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Display Control RS-232 (RJ12)</td>
<td>Yes</td>
</tr>
<tr>
<td>TV Display Control MPI/MTI (RJ12)</td>
<td>Yes</td>
</tr>
<tr>
<td>HDMI In</td>
<td>Yes</td>
</tr>
<tr>
<td>USB 2.0</td>
<td>(2)</td>
</tr>
<tr>
<td>Power</td>
<td>Yes</td>
</tr>
<tr>
<td>Tuner</td>
<td>Yes (w/ b-LAN)</td>
</tr>
<tr>
<td>External IR (3Pin Phone Jack)</td>
<td>Yes</td>
</tr>
<tr>
<td>PTC Service (3Pin Phone Jack)</td>
<td>Yes</td>
</tr>
<tr>
<td>AV In (4Pin Phone Jack)</td>
<td>Yes</td>
</tr>
<tr>
<td>Audio Line Out (3Pin Phone Jack)</td>
<td>Yes</td>
</tr>
<tr>
<td>Digital Audio Out (Optical)</td>
<td>Yes</td>
</tr>
<tr>
<td>LAN Port</td>
<td>Yes</td>
</tr>
<tr>
<td>HDMI Out</td>
<td>Yes</td>
</tr>
<tr>
<td>TV Link Configuration (phone jack type)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## Required Listing (Certification)
- Safety: UL
- EMC: FCC
- ETC: RoHS, cUL, NOM, Energy Star 4.1
- Cable: HDMI, MPI/MTI, RS232, AV gender

## Power
- Voltage, Hz: 100 ~ 240V, 50/60Hz
- Typical (Watts): 20.5W
- Stand-by (Watts): 0.5W

## Accessibility
- USB2.0: Yes

## System Integration Compatibility
- Commercial hotel TV models supporting the MTI/MPI interface should be compatible with the STB-3500, but it is the System Integrators responsibility to perform verification testing using a sample TV prior to deployment or customer commitment. Issues found should be reported to LG APD.

## Commercial hotel Lite models with RS-232 interface
- All LG hotel TVs with the MPI interface support are proven interoperable with the STB-3500, apart from the LP1 and LX3 models.
- All Commercial Lite models with RS-232 interface.

## LG Commercial TV Compatibility
- All LG hotel TVs with the MTI interface support are proven interoperable with the STB-3500, apart from the LP1 and LX3 models.
- All Commercial Lite models with RS-232 interface.

- Contact LG APD if you have compatibility issues with any LG commercial TV models.

## Non-LG Commercial TV Compatibility
- All screen images are simulated. Dimensions and weights are approximate. Design, specifications, and features subject to change without notice.

© Copyright 2015 LG Electronics USA, Inc. All Rights Reserved. "LG Life's Good" is a registered trademark of LG Corp.

ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. In Plane Switching is a trademark of LG Display Co., LTD. VESA is a trademark of Video Electronics Standards Association. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

All other product and brand names are trademarks or registered trademarks of their respective companies.