



LCD Commercial Widescreen The LG EzSign TV

47LD452B
42LD452B
32LD452B



The Best Award winner from the Commercial Integrator magazine for digital signage hardware, the LG EzSign TV is an innovation in digital signage that can entertain while maximizing the impact of your message. Create your own signage content by using your PC and the free EzSign software. Transfer that content by using a USB drive and plug it in to the EzSign TV to run content in the form of a billboard - no additional hardware is needed. Advertisement, information, and a live television broadcast can be arranged on the same screen to attract attention and deliver specific messaging to your customers.

FEATURES

- Digital Signage Function with Free S/W
- Public Display Settings - Cloning Capable
- EcoSmart™ Energy Saving Levels 
- RoHS COMPLIANT 
- Auto Sensing Remote Jack Pack (RJP) Compatible*
- Pro:Centric™ ST
- DYNAMIC CONTRAST RATIO 60,000:1
- NATIVE DISPLAY RESOLUTION 1920 x 1080 full HD 1080p (42"/47" class) 1366 x 768 (32" class)
- BUILT-IN ATSC/NTSC/QAM CLEAR TUNER
- INVISIBLE SPEAKER SYSTEM
Hidden speaker grilles
- LG'S EXCLUSIVE XD ENGINE®
- Multi Remote IR Code
- USB 2.0 Media Host for photos and music
- USB CLONING
- CLEAR VOICE II
- REAL CINEMA™
- 2 HDMI™ INPUTS WITH HDCP V.1.3 with deep color
- 2 year Limited Warranty (parts and labor)

*NOTE: Contact your LG Sales representative on the RJPs that are compatible with the LD452B series.

ENERGY GUIDE
↓

The estimated annual energy cost determined in accordance with 16 CFR Part 305.5 for models 47LD452B, 42LD452B, & 32LD452B are \$26, \$20, & \$15, respectively.

"Your energy cost depends on your utility rates and use. The estimated cost is based on 11 cents per kWh and 5 hours of use per day. For more information, visit www.ftc.gov/energy."

¹FTC Television labeling rule (18 CFR Part 305, as added by 76 Fed. Reg. 1038 (Jan 6, 2011)).

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green LIFE'S GOOD...

WHEN IT'S GREEN.

LG is committed to improving product development, manufacturing and usage to meet the demand for environmentally friendlier products. Our LD452B televisions have technologies to reduce power consumption and in return increase cost savings per room. We've also placed limits in the amounts of harmful materials used in these televisions.

- **EcoSmart**
Energy Saving Levels - Manually select your choice for the brightness level for the television.
- **RoHS Compliant** - Meets directive on restriction of hazardous substances.

FEATURES

LG'S SIGNAGE TECHNOLOGY MEETS THE TELEVISION LG EZSIGN TV

COST EFFECTIVE. SIMPLE. HIGHLY EFFECTIVE.



COST EFFECTIVE

No need to buy a media player - Create your own signage content by using your PC and the free EzSign software. Transfer that content by using a USB flash drive and plug it in to the EzSign TV to run it



CUSTOMIZED TO YOUR NEEDS - Signage content can be specific to your business

The LG EzSign TV allows you to create your own signage content and make revisions on the fly.



FAST AND EASY - Edit content quickly and easily

Select one of the pre-installed content templates. Apply images and add texts on it. It's that simple.



VARIETY - Pick and choose from a broad range of template designs

The LG EzSign TV gives you the power to choose and change according to your needs.

LG EZSIGN SOFTWARE - Simple 4 step procedure

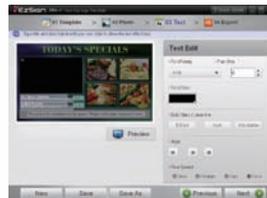
STEP1 Choose a Template



STEP2 Add Photos



STEP3 Edit the Text

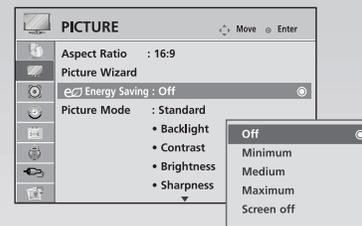


STEP4 Export to USB



ENERGY SAVING LEVELS

Manually select your choice for the brightness level for the television. By selecting Minimum, Medium, or Maximum, the power consumption will be reduced and an increase in energy savings can be achieved. (Note: Selecting minimum level may slightly increase power consumption on some models)



CONNECTIVITY

As a versatile addition to the TV viewing experience, LG's optional autosensing Remote Jack Packs (RJP)*, can serve as a multimedia hub that can be installed conveniently on a table or in a wall. Connect portable devices such as a laptop, mp3 player, or a digital camera to display images, play video or music from the set.



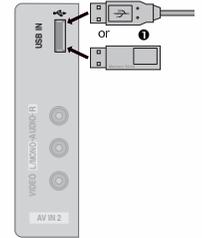
PUBLIC DISPLAY SETTINGS

When used in public areas, these HDTVs can be easily programmed by the installer to have the TV turn on at a specified channel/volume level, set the minimum/maximum volume, lock out the control panel/remote, set the aspect ratio, and return to a factory reset. By using Power Management, these displays can be programmed to turn off if there has been no activity (remote or control panel buttons) for a preset time (1-7) hours.

| Public Display Setting | |
|--------------------------|-----|
| Public Display Mode | No |
| Start Channel | No |
| Ch. Type | TV |
| Major | 2 |
| Minor | 0 |
| Minimum Volume | 0 |
| Maximum Volume | 100 |
| Start Volume Level | No |
| Power Management Setting | No |
| Key Management | 1 |
| Factory Reset | 0 |
| Aspect Ratio | 0 |

USB CLONING

USB cloning will allow for easy transfer of Public Display Settings from the "Master TV" to an unlimited number of same type televisions.



invisible SPEAKER

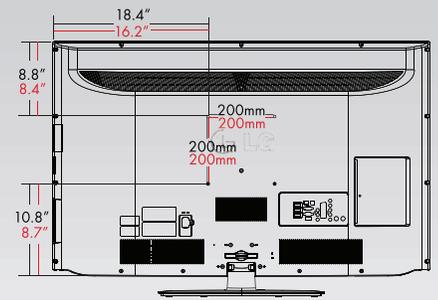
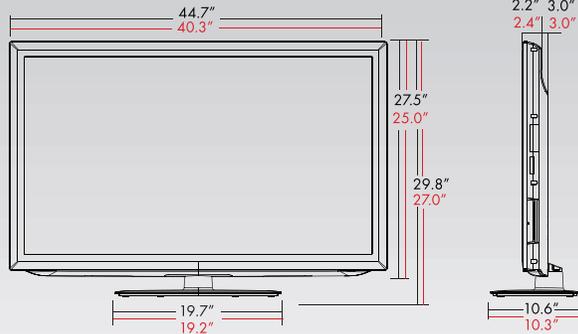
SOUND IS HEARD, NOT SEEN

Enjoy a combination of smart technology and stylish design with the invisible speaker system custom tuned by audio expert Mr. Mark Levinson. This unique system provides a clean, polished look and an enhanced auditory experience by increasing the sweet spot and providing a wider sound field.

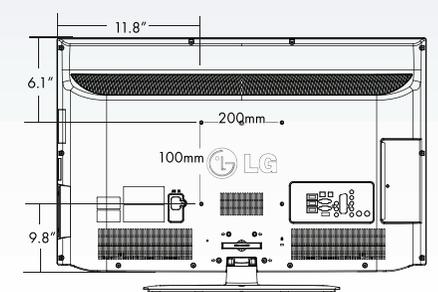
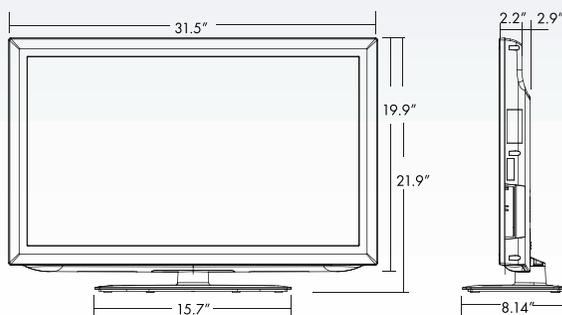


DIMENSIONS

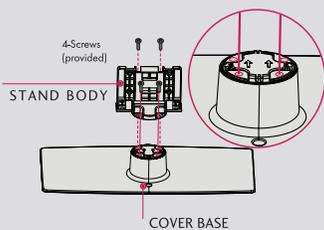
47LD452B
42LD452B



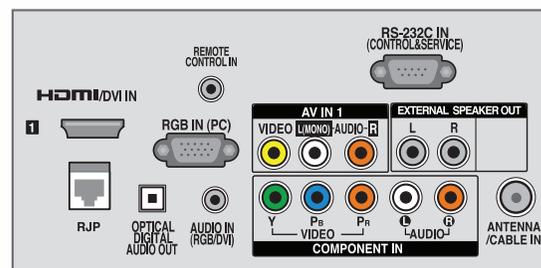
32LD452B



MOUNTING HOLES ON STAND



REAR



SIDE



47LD452B
42LD452B
32LD452B

47" class (47.0" measured diagonally)
42" class (42.0" measured diagonally)
32" class (31.5" measured diagonally)

SPECIFICATIONS

LCD SPECIFICATION

| | |
|---------------------------|---|
| Screen Size (Class) | 47" class (47.0" measured diagonally) 42" class (42.0" measured diagonally) 32" class (31.5" measured diagonally) |
| Native Display Resolution | 1920 x 1080 (42", 47" class) 1366 x 768 (32" class) |
| Dynamic Contrast Ratio | 60,000:1 |
| Viewing Angle | 178°/178° |
| Color Reproduction | 10 Bit |
| Response Time (G to G) | 4ms |
| True Viewing Angle | Yes |
| Life Span (Typical) | 60,000 hrs |

BROADCASTING SYSTEM

| | |
|---------------------|-----|
| Analog | Yes |
| ATSC/NTSC/Clear QAM | Yes |
| MPEG4 | Yes |

VIDEO

| | |
|---------------------------|--|
| Aspect Ratio | 16:9 |
| Aspect Ratio Correction | 6 Modes (16:9/Just scan/Set by program/4:3/Zoom/Cinema Zoom) |
| Color Temperature Control | 3 Modes (Cool/Medium/Warm) |
| Picture Status Mode | 7 Modes (Vivid/Standard/Cinema/Sport/Game/Expert 1/Expert 2) |

| | |
|--------------------------|------------------|
| Just Scan (0% over scan) | |
| HDMI | 1080i/1080p/720p |
| Component | 1080i/1080p/720p |
| RF/DTV | 1080i/720p |

| | |
|---|-----|
| 24p Real Cinema (24p 5.5/2.2 Pull down) | Yes |
| Eye Care (Anti Dazzling) | Yes |
| Fresh White | Yes |
| Expert Mode/ ISF Ready | Yes |
| Picture Wizard | Yes |
| AV Mode (Cinema/Game/Sport) | Yes |
| xvyCC | Yes |
| DTV Signal Strength | Yes |

AUDIO

| | |
|----------------------------------|-----------------|
| Audio Output | 10W x 2 |
| Invisible Speaker System Details | 1 Way 2 Speaker |
| Dolby Digital 5.1 Decoder | Yes |
| Surround System Type | Infinite Sound |
| Bass/Treble/Balance Controls | Yes |
| Auto Volume Leveler | Yes |
| EZ Sound Mode/SSM | 5 Modes |
| Clear Voice II | Yes |

SPECIAL FEATURES

| | |
|---------------------------------------|--|
| XD Engine | Yes |
| Energy Saving Modes | Yes (Backlight Control, Video Mute) |
| EPG(SI) | Yes (Pro-Centric) |
| 1080p Source Input | Yes HDMI/Component (60/30/24p), RGB (WXGA) |
| A/V Input Navigation | Yes |
| Input Labeling/Sub-title | Yes |
| LG SIMPLINK™ (HDMI CEC) | Yes |
| Parental Control w/V-Chip | Yes |
| Key Lock/Child Lock | Yes |
| Customizable Closed Caption/Sub-title | Yes |
| Splash Image - Logo (on start up) | Yes |
| Multi Remote IR code (Bed1/2/3/4) | Yes |
| Auto-Sensing RJP compatible | Yes (with select RJP versions) |
| Bed 1/Bed 2/ Bed 3/ Bed 4 Control | Yes |
| PictureWizard | Yes |
| TVLink-Protocol (Tuner, Loader) | Yes |
| USB Cloning (USB Link Loader) | Yes |
| 1080p Source Input | |
| HDMI | 60p/30p/24p |
| Component | 60p/30p/24p |
| RGB | WXGA |

| | |
|------------------------|-----------------------------------|
| Quick View (Flashback) | Yes |
| e-Streamer | Yes (for shop mode) |
| OSD Language | 4 (English/Spanish/French/Korean) |

| | |
|--|---|
| Quick Menu (Round Type-8 menus selectable) | Yes (Aspect Ratio/SAP/ Picture Mode/ Sound Mode/Audio/Sleep Timer/Ch Add/USB Eject) |
|--|---|

| | |
|-------------------|------------|
| Alvin UI | Yes |
| Function Menu | Yes |
| Installation Menu | Yes (v2.6) |

CONVENIENCE FEATURES

| | |
|--|-----|
| Auto Tuning/Programming | Yes |
| Channel Add/Delete | Yes |
| Favorite Channel Programming | Yes |
| Auto/Manual Clock | Yes |
| On/Off Timer | Yes |
| Sleep Timer | Yes |
| Auto Off/Auto Sleep (When no video is present) | Yes |

AUDIO/VIDEO INPUTS/OUTPUTS

| | |
|---|---|
| RF In (Antenna/Cable) | 1 |
| L/R Audio/Composite Video In | 1 (rear), 1 (side) |
| HD Component Video In (Y,Pb,Pr) + L/R Audio | 1 |
| Digital Audio Out (Optical) | 1 |
| HDMI/HDCP Input (V1.3 with Deep Color) | 1 (side), 1 (rear) |
| RGB In (D-Sub 15pin) - PC | 1 (1920 x 1080) |
| PC Audio Input | 1 |
| RS-232c In (Control/Service) | 1 |
| USB 2.0 Input | 1 (side) Media Host (JPEG, MP3), Cloning, and Service |

| | |
|------------------------------------|---|
| Remote Control Port In | 1 |
| RJ45 (for RJP interface - non PIP) | 1 |

CABINET/ACCESSORIES

| | |
|---------------------------------|--------------|
| Cabinet Color | Glossy Black |
| Swivel Stand (degrees) | +20°/-20° |
| Top Side Mounting Screw | Yes |
| TORX Security Screw (2 each) | Yes |
| Power Indicator | Yes (on/off) |
| Fire Retardant Cabinet Material | Yes |
| Kensington Security System Slot | Yes |
| VESA Mount Compatible | Yes |
| Remote Control | Yes |

POWER

| | |
|---------------------------|--|
| Voltage, Hz | 100V - 240V, 50/60 Hz |
| Stand-by Mode (typ.) | 0.2W (EPA 4.0) |
| Power Consumption Max | 180W (32" class), 260W (42" class), 330W (47" class) |
| Power Consumption Typical | 78W (32" class), 115W (42" class), 138W (47" class) |

| | |
|-----------------------|-----|
| Dynamic Power Savings | Yes |
| Static Power Savings | Yes |

REQUIRED APPROVALS

| | |
|----------------|-----|
| RoHS Compliant | Yes |
| UL, cUL, NOM | Yes |

DIMENSIONS & WEIGHT

| | |
|--------------------------|--|
| TV without stand (WxHxD) | 31.5" x 19.9" x 2.9" (32" class) 40.3" x 25.0" x 3.0" (42" class) 44.7" x 27.5" x 3.0" (47" class) |
|--------------------------|--|

| | |
|-----------------------|--|
| TV with stand (WxHxD) | 31.5" x 21.9" x 8.1" (32" class) 40.3" x 27.0" x 10.3" (42" class) 44.7" x 29.8" x 10.6" (47" class) |
|-----------------------|--|

| | |
|-----------------------------|---|
| Shipping Dimensions (WxHxD) | 38.0" x 23.2" x 7.5" (32" class) 43.6" x 30.3" x 9.0" (42" class) 48.8" x 31.6" x 10.0" (47" class) |
|-----------------------------|---|

| | |
|-------------------------|--|
| TV without stand weight | 17.9 lbs (32" class) 29.8 lbs (42" class) 38.6 lbs (47" class) |
|-------------------------|--|

| | |
|----------------------|--|
| TV with stand weight | 20.1 lbs (32" class) 33.3 lbs (42" class) 43.0 lbs (47" class) |
|----------------------|--|

| | |
|-----------------|--|
| Shipping Weight | 24.9 lbs (32" class) 41.7 lbs (42" class) 52.7 lbs (47" class) |
|-----------------|--|

SERVICE/LIMITED WARRANTY

| | |
|--|-----------------------|
| | 2 Years (Parts/Labor) |
|--|-----------------------|

| | |
|----------|-----------------|
| UPC CODE | |
| 32LD452B | 7 19192 90239 8 |
| 42LD452B | 7 19192 90242 8 |
| 47LD452B | 7 19192 90243 5 |

Required PC spec for installation: Pentium M or 4 CPU, 512MB RAM, Windows XP sp2, 200MB HDD



All screen images are simulated. Dimensions and weights are approximate. Design, features and specifications subject to change without notice.

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