52" CLASS (52.0" DIAGONAL   **52LG50DC**
47" CLASS (46.9" DIAGONAL)   **47LG50DC**
42" CLASS (42.0" DIAGONAL)   **42LG50DC**

LCD Widescreen   Full 1080p HDTV

NATIVE DISPLAY RESOLUTION
1920 x 1080 (1080p Full HD resolution)

BACKLIGHT DIMMING CONTROL
Provides Power Savings

DYNAMIC CONTRAST RATIO
15,000:1

BUILT-IN TUNER
ATSC/NTSC/Clear QAM

PUBLIC DISPLAY SETTINGS
Cloning capable

LG'S EXCLUSIVE XD ENGINE®

REAL CINEMA™

CLEAR VOICE™

INTELLIGENT SENSOR

2 HDMI™ WITH HDCP

USB INPUT FOR PHOTOS AND MUSIC

USB CLONING
42" only

RoHS COMPLIANT

INVISIBLE SPEAKER SYSTEM

CUSTOMIZABLE CLOSED CAPTIONS

CABINET COLOR
High-gloss black

NEW! 2-YEAR LIMITED WARRANTY
(parts/labor)

AVAILABLE USING OPTIONAL HCS5610 PAY-PER-VIEW BOX
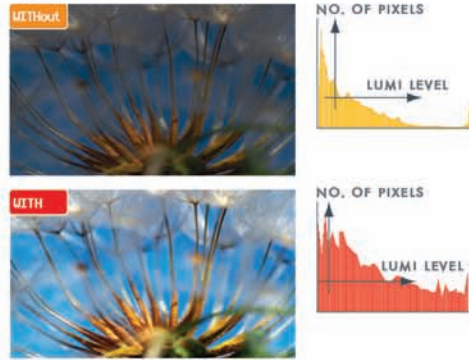Auto-Sensing Remote Jack Pack (RJP) capable
Pro:Idiom® capable

www.LGcommercial.com

LG
Life's Good

XD ENGINE

SHARPER
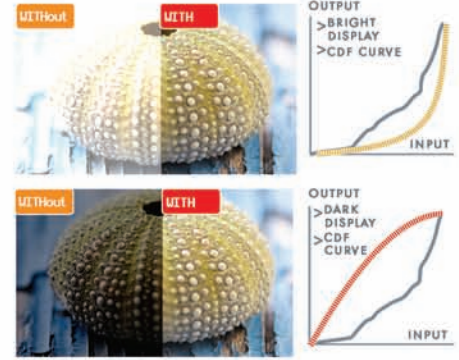
BRIGHTER

CLEARER

ULTRA CONTRAST
AT A BLAZINGLY FAST 370 MILLION PIXELS PER SECOND, THE PROCESSOR USES A HISTOGRAM ANALYZATION TOOL TO CLARIFY THE IMAGE DATA ACCORDING TO SIGNAL BRIGHTNESS LEVELS.

Dramatization

DYNAMIC BLACK STRETCH
THE MINIMUM BLACK LEVEL OF AN IMAGE IS AUTOMATICALLY DETECTED AND ADJUSTED ACCORDING TO BRIGHTNESS.

Dramatization

SPECIAL FEATURES

CLEAR VOICE
BALANCED SOUND TO EMPHASIZE DIALOGUE
Designed to automatically enhance and amplify the sounds of the human voice frequency range, Clear Voice Technology helps keep dialogue audible when background noises swell.

invisible SPEAKER
SOUND IS HEARD, NOT SEEN
Breaking through the fixed idea that speaker grills must be exposed, the Invisible Speaker design provides a "full sweet spot" and more realistic sound. Personally tuned by Mr. Mark Levinson, world-renowned audio authority, this unique design has rich and lively sound that can be enjoyed from any angle.

BACKLIGHT DIMMING CONTROL
By selecting lower levels of backlight settings, a reduction in power consumption is achieved resulting in energy savings and lower costs. This feature is disabled when Intelligent Sensor is selected.
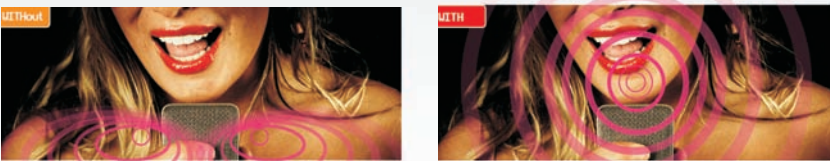
PUBLIC DISPLAY SETTINGS
CLONING CAPABLE

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 Settings	
Public Display Mode	No
Start Channel	No
Ch. Type	TV
Major	2
Minor	0
Minimum Volume	0
Maximum Volume	100
Start Volume	No
Level	20
Power Management	No
Setting	1
Key Management	0
Factory Reset	0
Aspect Ratio	0

PICTURE MODE
Adjust the picture appearance to suit you preference and viewing situations.

52LG50DC in Vivid Mode

BACKLIGHT SETTING VALUE	BRIGHTNESS (cd /m²)	*POWER CONSUMPTION (Watts)
Level 100	349 cd/m²	350 Watts
90	95%**	94%**
80	90%	90%
70	78%	80%
60	68%	72%
50	60%	66%
40	52%	60%
30	46%	55%
20	38%	49%
10	34%	45%
1	30%	43%

47LG50DC in Vivid Mode

BACKLIGHT SETTING VALUE	BRIGHTNESS (cd /m²)	*POWER CONSUMPTION (Watts)
Level 100	382 cd/m²	304 Watts
90	98%**	95%**
80	94%	91%
70	71%	73%
60	55%	60%
50	46%	53%
40	38%	46%
30	29%	40%
20	22%	34%
10	13%	27%
1	5%	20%

42LG50DC in Vivid Mode

BACKLIGHT SETTING VALUE	BRIGHTNESS (cd /m²)	*POWER CONSUMPTION (Watts)
Level 100	289 cd/m²	214.8 Watts
90	98%**	97%**
80	96%	93%
70	80%	80%
60	70%	73%
50	61%	65%
40	52%	59%
30	42%	53%
20	36%	47%
10	30%	42%
1	26%	38%

*Power consumption was measured using IEC62087 dynamic broadcast - content video signal
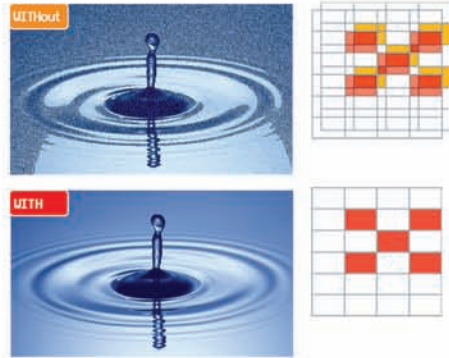** All percentages listed are percentages based off of level 100

CLEAR SCREEN
USING THE NOISE FILTER INSIDE THE XD ENGINE CHIP, THE IMAGE IS ANALYZED FOR TEMPORAL AND SPATIAL INFORMATION TO REDUCE MPEG NOISE.
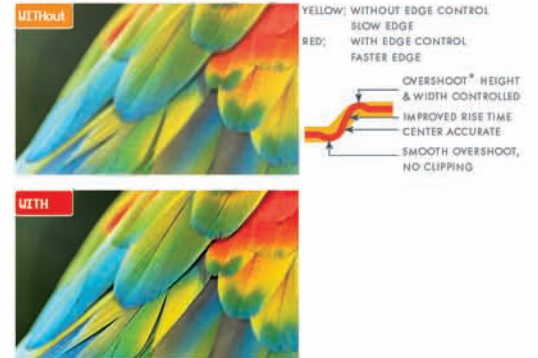

WITHout

WITH

Dramatization

ADVANCED VIVID COLOR
COLORS THAT ARE SENSITIVE TO THE HUMAN EYE ARE OPTIMIZED TO THE NEAREST TRUE COLOR BY THE SELECTIVE COLOR CONTROL.

WITHout

WITH

WITHout

WITH

SKIN

GRASS-GREEN
G

SKYBLUE

R

8-
SELECTIVE
COLOR
CONTROL

B
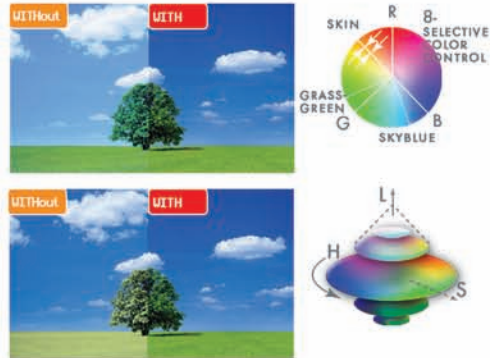
Dramatization

INTELLIGENT EDGE CONTROL
EDGE LINES ARE EMPHASIZED BY IMPROVING THE TRANSITION FROM THE BACKGROUND TO THE MAIN OBJECT.

WITHout

WITH

YELLOW; WITHOUT EDGE CONTROL
SLOW EDGE
RED; WITH EDGE CONTROL
FASTER EDGE

OVERSHOOT* HEIGHT & WIDTH CONTROLLED
IMPROVED RISE TIME
CENTER ACCURATE
SMOOTH OVERSHOOT,
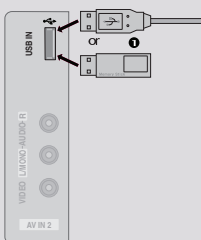NO CLIPPING

Dramatization

REMOTE CONTROL

TLL-1100A
TVLink-Loader

By using the handheld, rechargeable TVLink-Loader, the installer can "clone" the Public Display Settings from one TV and then transfer this information quickly to many other TVs that have this feature.
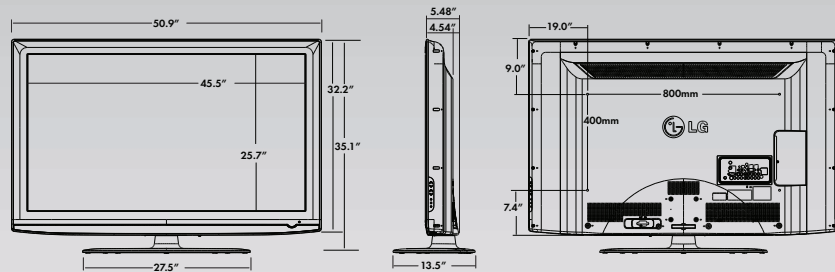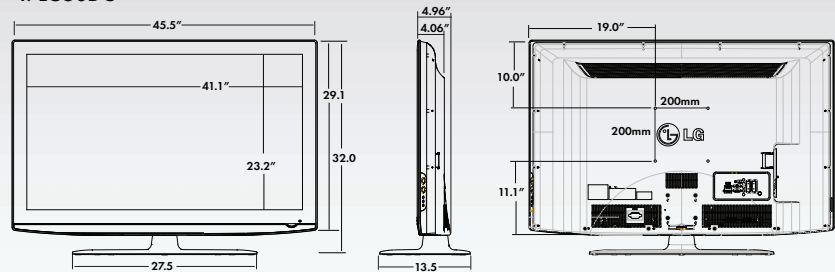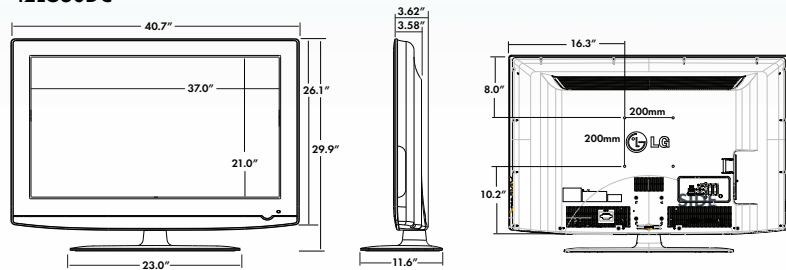
USB
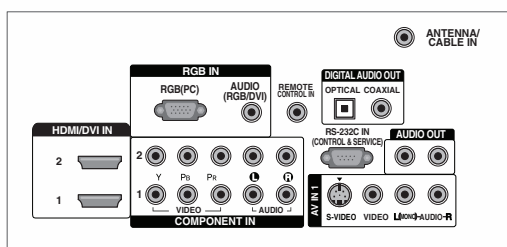## CLONING
42"

DIMENSIONS

52LG50DC

50.9"
45.5"
25.7"
32.2"
35.1"
27.5"
5.48"
4.54"
13.5"
19.0"
9.0"
7.4"
800mm
400mm
LG

47LG50DC

45.5"
41.1"
23.2"
29.1
32.0
27.5
4.96"
4.06"
13.5
19.0"
10.0"
11.1"
200mm
200mm
LG

42LG50DC

40.7"
37.0"
21.0"
26.1"
29.9"
23.0"
3.62"
3.58"
11.6"
16.3"
8.0"
10.2"
200mm
200mm
LG

REAR JACK PACK PANEL

ANTENNA/CABLE IN
RGB IN
RGB(PC)
AUDIO (RGB/DVI)
REMOTE CONTROL IN
DIGITAL AUDIO OUT
OPTICAL COAXIAL
RS-232C IN
(CONTROL & SERVICE)
AUDIO OUT
HDMI/DVI IN
2
1
Y   Pв   Pʀ
VIDEO   AUDIO
COMPONENT IN
AV IN 1
S-VIDEO   VIDEO   L MONO AUDIO R

SIDE

USB IN
VIDEO L/MONO AUDIO R
AV IN 2

LCD TV
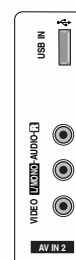
52LG50DC   52" CLASS (52.0" DIAGONAL
47LG50DC   47" CLASS (46.9" DIAGONAL)
42LG50DC   42" CLASS (42.0" DIAGONAL)

SPECIFICATIONS

PANEL

LCD Panel Type	52" (52LG50DC) 47" (47LG50DC) 42" (47LG50DC)
Display Area	52.0" diagonal (52LG50DC) 46.9" diagonal (47LG50DC) 42.0" diagonal (42LG50DC)
Native Display Resolution	1920 x 1080
Brightness	450 cd/m^2 (52") 500 cd/m^2 (47", 42")
Dynamic Contrast Ratio	15,000:1
Contrast Ratio	1,500:1 (52", 47") 1,400:1 (42")
Viewing Angle (HxV)	178°x178°
Response Time (G to G)	5ms
Pure Black Level	Yes
True Wide View	Yes
Life Span (approx. hr)	60,000 (Module 50,000)

BROADCASTING SYSTEM

Analog/Digitial	ATSC/NTSC/Clear QAM 1 tuner

VIDEO

XD Engine	Yes
Aspect Ratio	16:9
Aspect Ratio Correction	6 mode (16:9, Just scan, 4:3, Set by program, Zoom1, Zoom2)
Just Scan (0% overscan) - when "Just Scan Mode" selected	HDMI (1080i/1080p/720p) Component (1080i/1080p/720p) RF(1080i/720p)
Enhanced Line Doubler	Yes
Enhanced Noise Reduction	Yes (3D & MPEG)
Digital Comb Filter	Yes (3D)
DLTI (Digital Luminance Transient Improver)	Yes
DCTI (Color Transient Improver)	Yes
Color Temperature Control	Cool, Medium, Warm
Black Stretcher	Yes
Cinema 3:2 , 2:2 Pulldown	3:2 (TV/S-Video/Composite - 480i, Component 480i/576i/1080i)
Picture Status Mode	8 modes
XD color (Active Color Management)	Yes
DTV Signal Strength (Digital)	Yes

AUDIO

Mono/Stereo/Dual (MTS/SAP)	Yes
Audio Output (Watts - THD 10%)	10W + 10W
Invisible Speaker System	Yes
Speaker System Details	2 Way 4 Speakers
Dolby Digital® Decoder	Yes
Surround System	SRS TruSurround XT™
Bass/Treble/Balance	Yes
AVL (Auto Volume Leveler)	Yes
Sound Status Mode	5 modes (Standard, Music, Cinema, Sports, Game)
Mute	Yes

SPECIAL FEATURES

Intelligent Sensor	Yes
Real Cinema	Yes
Public Display Settings	Yes
EPG (Brief Info)	Yes
1080p Source Input	HDMI (60/30/24p)/Component (60/30/24p) RGB (60p)
AV Input Navigation	Yes
Auto Navigation	Yes
Input Labeling	Cable Box/VCR/DVD/Set Top Box/PC/Game
Quick View (Flash Back)	Yes
Clear Voice (On/Off)	Yes
Quick Set-up Guide	Yes
Parental Control w/ V-Chip	Yes
Key Lock	Yes

Closed Captions (Customizable)	Yes
SimpleLink (HDMI CEC)	Yes
Auto/Manual Clock	Yes
On/Off Time, Sleep, Auto off	Yes
EZ OSD (Menu System)	Yes
Menu Languages	Yes (English, Spanish, French)
USB Input for Photos and Music	Yes
Universal Remote	Yes

COMPATIBILITIES

Pro:Idiom	Yes (using optional HCS5610 pay-per-view box)
Optional Auto-Sensing Remote Jack Packs	Yes (using optional HCS5610 pay-per-view box)

JACK PACK

Side	AV In	1
	USB 2.0	1 (Photos, Music, Service - all), USB cloning (42" only)
	HDMI In	1
Rear	RF In (Antenna/Cable)	1
	AV In	1
	S-Video In	1
	Component in (Y,Pb,Pr) + Audio	2
	Digital Audio Out	1 Optical/1 Coaxial
	Analog Audio Out (L/R)	1
	HDMI/HDCP Input	2 (1.3 Version)
	RGB In (D-sub 15pin) - PC	1
	PC Audio Input	1
	S-232C (Control / SVC)	1
	Remote Control In port	1

CABINET

Unit Dimensions with Stand (WxHxD)	50.9" x 35.1" x 13.5" (52") 45.5" x 32.0" x 13.5" (47") 40.7" x 29.9" x 11.6" (42")
Unit Dimensions without Stand (WxHxD)	50.9" x 32.2" x 4.54" (5.48)* (52") 45.5" x 29.1" x 4.06" (4.96)* (47") 40.7" x 26.1" x 3.58" (3.62)* (42")
Unit Weight	with Stand without Stand 87.1 lbs (52") 80.0 lbs (52") 65.1 lbs (47") 54.2 lbs (47") 54.0 lbs (42") 48.5 lbs (42")
Carton Dimensions (WxHxD)	54.6" x 16.2" x 35.4" (52") 49.8" x 18.1" x 34.9" (47") 52.4" x 9.8" x 29.4" (42")
Shipping Weight	110.3 lbs (52") 80.7 lbs (47") 64.1 lbs (42")
Cabinet Color	High-Gloss Black
Cable Management Clip	Yes
Swivel (stand)	Included/Detachable +/- 20°
RoHS Compliant	Yes
UL Standard	Listed
VESA™ Compatible	Yes (800mm x 400mm, M4) (52") Yes (200mm x 200mm, M6) (47", 42")

POWER

Backlight Dimming Control	Yes
Voltage, Hz	100 ~ 240V, 50/60Hz
Power Consumption (Max/Typ.) with power saving modes disabled	375W/340W (52") 330W/300W (47") 238W/224W (42")
Power Consumption (Stand-by)	Under 1W

UPC

52LG50DC	7 19192 17434 4
47LG50DC	7 19192 17433 7
42LG50DC	7 19192 17465 8

LIMITED WARRANTY

	2 Years (parts/labor)

*Depth of monitor including stand adapter plate.

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