SANSUI
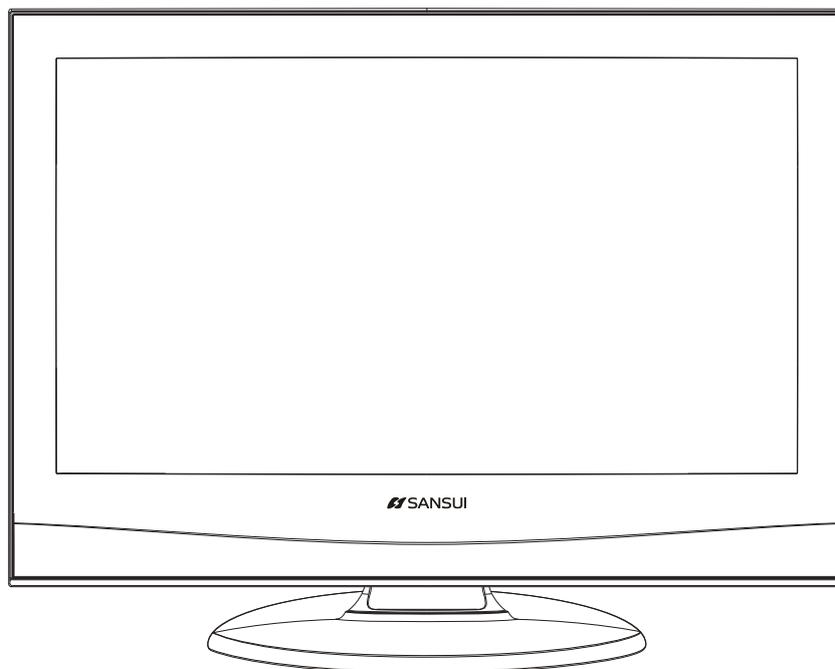
OPERATING INSTRUCTIONS

MODEL: LCD27HWB
LCD32HWB
LCD37HWB
LCD42HWB
LCD42HWA
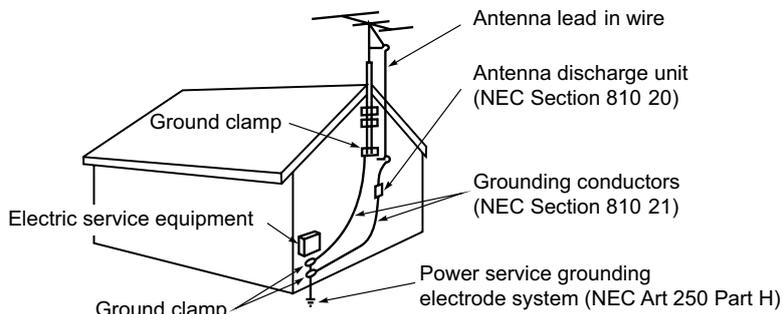LCD47HWB

LCD TV

Contents

Important Safeguards

Before using your TV, please read these instructions completely, and keep this man ual for future reference.

Carefully observe and comply with all warnings, cautions and instructions placed on the unit or described in the operating instructions or service manual.

The User Manual uses the following symbols to ensure a safe operation and prevent any damage to operators or properties:

WARNING-----Ignorance or inappropriate use may cause damage to the product.

ATTENTION---Ignorance or inappropriate use may cause injury to the user.

Examples:

Prohibition

Warning (Attention) symbol (indicating "Electric Shock").

WARNING

Never place TV on an unstable cart, stand, or table. The TV may fall, causing serious personal injury, death, or serious damage to the TV.

Never overload wall outlets and extension cords.
Never allow anything to rest on or roll over the power cord, and never place the TV where the power cord is subject to wear or abuse.

Keep the product away from moisture:
- Do not expose this appliance to rain or moisture.
- If water penetrates into the product, stop the operation; unplug the connector and contact with your dealer. Continuous use in this case may result in ?re or electric shock.

WARNING

Never place item such as vases, aquariums, or candles on top of the TV.

Never use a damaged power cord:
Heavy objects, heat or tensile force may damage the power cord
and cause ?re or electric shock.

Never block or cover the slots or openings in the TV cabinet back,
bottom, and sides. Never place the TV:
- on a bed, sofa, rug, or similar surface;
- too close to drapes, curtains, or walls; or
- in a con?ned space such as bookcase, built-in cabinet, or any
  other place with poor ventilation.
The slots and openings are provided to protect the TV from
overheating and to help maintain reliable operation of the TV.

Do not use the product if any abnormality occurs:
If any smoke or odor becomes apparent, unplug the connector
and contact the manufacturer immediately. Do not try to repair
the product by yourself.

WARNING

Avoid using dropped or damaged appliances:
If the product is dropped and the housing is damaged, the internal
components may function abnormally. Unplug the connector
immediately and contact the manufacturer for repair. Continuous use
of the product may cause ?re or electric shock.

WARNING

While it is thundering, do not touch the connecting cables or
apparatus.

ATTENTION

Do not install the product close to smoke or moisture:
Fire or electric shock may be caused when the product is installed
close to smoke or moisture.
Do not installed the product in an area with heavy dust or high
humidity:
Fire or electric shock may be caused when the product is installed
in a place with heavy dust or high humidity.

Instructions for moving the product:
Ensure that the power connector and any other leads are unplugged
before moving the product.

The power cable should be kept away from heat sources:
The heat produced by any heat source may melt the covering of the power cable.

Hold the power connector when removing the power cable:
Pulling the power cable itself may damage the wires inside the cable and cause ?re or electric shock.

Unplug the connector

Do not touch the connector with wet hands:
To avoid risk of electric shock.

ATTENTION

Insert batteries in accordance with instructions:
Insert the batteries with correct polarities (positive   and negative ¸).
Incorrect polarities may cause breakage and leakage of the batteries, hurt operators and contaminate the remote controller.

Do not block or cover the vents:
Blocking the vents may cause overheating and ?re. Do not install the product in a place with little or no ventilation. Never cover the vents with towels, blankets or dusters.

Unplug the connector:
Unplug the power connector when the product will not be used for a long time.

Unplug the connector

Always make sure the antenna system is properly grounded to provide adequate protection against voltage surges and built-up static charges.(see Section 810 of the National Electric Code.)

Antenna lead in wire

Antenna discharge unit
(NEC Section 810 20)

Ground clamp

Grounding conductors
(NEC Section 810 21)

Electric service equipment

Power service grounding
electrode system (NEC Art 250 Part H)

Ground clamp

Use extreme care to make sure you are never in a position where your body (or any item you are in contact with, such as a ladder or screwdriver) can accidentally touch overhead power lines. Never locate the antenna near overhead power lines or other electrical circuits. Never attempt to install any of the following during lightning activity:
a). an antenna system; or b).cables, wires, or any home theater component connected to an antenna or phone system.

Others:

1). The LCD panel on this TV is manufactured using an extremely high level of precision technology; however, an occasional pixel (dot of light) may display constantly on the screen.
This is a structural property of LCD technology and is not a sign of malfunction.
Such pixels are not visible when the picture is viewed from a normal viewing distance.

2). LCD (Liquid Crystal Display) may cause interference in image, sound, etc. of the other electronic equipment that is easy to receive electromagnetic waves (i.e. AM radios and video equipment) under certain installed condition. In particular, it may affect electronic equipment beyond the residential until where a LCD TV is used.

3). The screen on this TV is manufactured from glass. To prevent damage, never strike the glass with a sharp or heavy object.

4). Your LCD television contains a small amount of Mercury. When the television is no longer useful, please follow local electronic waste guidelines for proper disposal.

5). If you have the LCD screen facing to the sun, the LCD screen will be damaged. Locate the TV in the place such away from windows side or out side of the rooms with windows.

6). This product is designed for indoor use only. The operating temperatures are 5°C ~ 30°C.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including ampli?ers) that product heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not ?t into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories speci?ed by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table speci?ed by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to quali?ed service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The apparatus shall not be exposed to dripping or splashing and that no objected ?lled with liquids, such as vase, shall be placed on the apparatus.

Introduction

Front Panel

The pictures are for function illustration
Here shown may be somewhat different from your TV.
Please take the TV as the standard

STANDBY

VOL+

VOL-

CH +

CH

MENU

SOURCE

INFRARED SENSOR   POWER INDICATOR
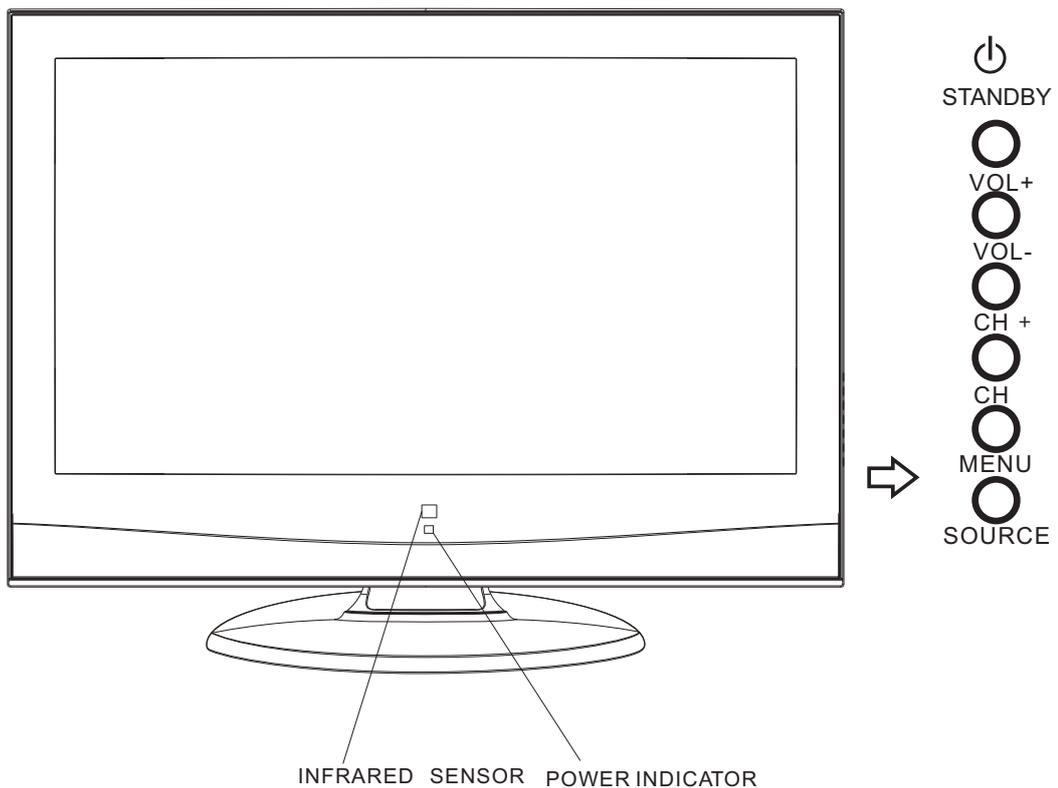
BUTTON NAME	FUNCTION DESCRIPTION
SOURCE	Press to select the input source.
MENU	Press to bring up the main menu to the screen.
VOL＋／VOL	Press to increase or decrease the sound level.
CH＋／CH	Press to scan through channels.
STANDBY	Switch on the LCD TV when at standby mode or vice versa.
POWER INDICATOR	Show red in standby mode, show green when your TV is switched on.
INFRARED SENSOR	Infrared sensor for the remote control.

Introduction

Rear   Panel

HDMI2   HDMI1   VGA AUDIO   VGA   VIDEOIN 1 L   R   VIDEOIN 2 L   R   VIDEO OUT L   R   SPDIF   RF IN

COMPONENT 1   COMPONENT 2   VIDEO IN 3 L   R

Y   Pb   Pr   Y   Pb   Pr
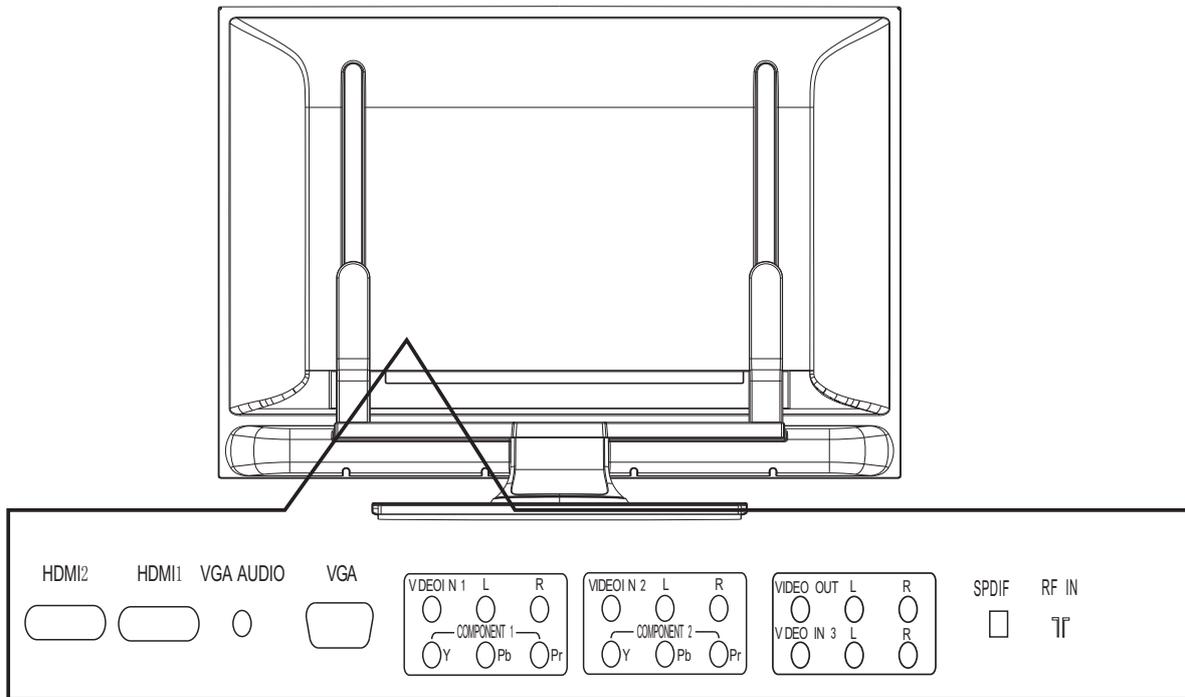
JACK NAME	FUNCTION DESCRIPTION
RF IN	Connect the antenna
SPDIF	Port for TV audio output
R L VIDEO OUTPUT	AV audio /video signal output terminal
R L VIDEOIN1 2 3	AV audio /video signal input terminal
COMPONENT 1 2	Connect the YPbPr INPUT terminals of DVD
VGA	Connect the VGA INPUT jack of PC
VGA AUDIO	Connect the Audio INPUT jack of PC
HDMI 1 2	Connect the HDMI INPUT jack of DVD

How to connect with the peripheral equipment

RCA is used to join with equipments with DVD output (480i /480p /576i /576p / 720p /1080i)

Amplifier

PC

Monitor

HDMI2	HDMI1	VGA AUDIO	VGA	VIDEO IN 1 L R	VIDEO IN 2 L R	VIDEO OUT L R	SPDIF	RF IN
				COMPONENT 1	COMPONENT 2	VIDEO IN 3 L R		
				Y Pb Pr	Y Pb Pr			

HDMI

DVD ro TB

DVD ro TB

DVD CVR ro ideo ecorder
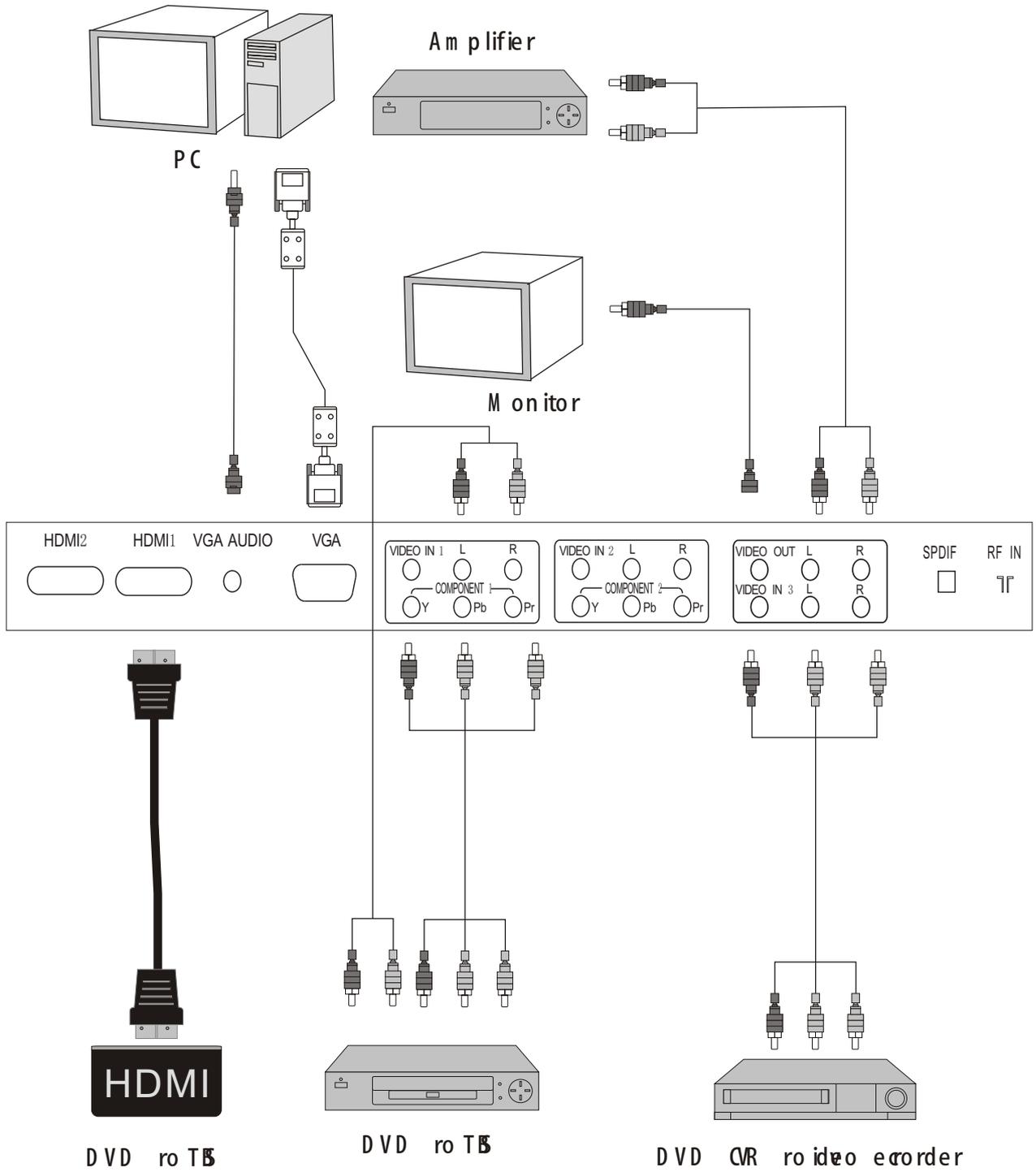
Introduction

Remote Control Overview

Zoom

Standby — Standby

Zoom — Zoom

Mute

Sleep timer — Sleep

Input source — Source

▲

OK — Arrows

Ok — ◄ OK ►

Exit — Exit

▼

Menu — Menu

EPG   DTV   ATV   HDMI

P.M   INFO   List   S.M

1	2	3
4	5	6
7	8	9

Number buttons

Freeze — Freeze

0

Recall — Recall

Volume up — + VOL

Channel up — CH ⌃

Volume down

Channel down — CH ⌄

Text   Mix   Size   Reveal

Teletext buttons

Green button — Subtitle   Index   Hold — Yellow button

Red button — Red   Green   Yellow   Blue — Blue button

TV/Radio — TV/Radio   FAVS   Audio — Audio

Favorite list

Basic Operation

Power On / Off

　1. Connect the TV unit to power source using power cord.
　2.　When the power indicator in red, the TV is in standby mode. Now press the ″Standby″ button on remote
　　　control or front panel to turn on the TV. The TV works normally when the power indicator is ingreen .
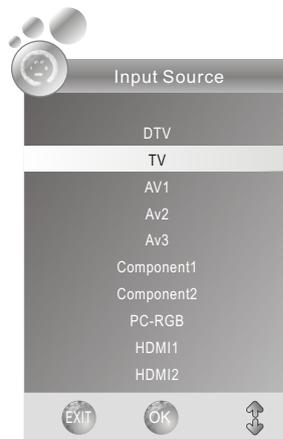　3　Switch the TV to standby mode, just press ″Standby″ button on the remote control or front panel.
　　　Now the indicator will be in red.
　4. The power consumption is less than 1W in standby mode. If unused for a long time, please
　　　disconnect the power cord from the wall outlet.

　Note: **The TV set can turn off automatically after** 5 **minutes while there has no signal input**.

Select Viewing Source

Press the ″SOURCE″ button to display the sources list.


```
            Input Source
               DTV
               TV
               AV1
               Av2
               Av3
            Component1
            Component2
             PC-RGB
              HDMI1
              HDMI2
        EXIT    OK
```

Please use the direction buttons to select desired signal, and press ″OK″ or ″◀/▶″ button to confirm.

Note:
Please make sure the connection for your choice is available .
For example, ″TV″ for watching TV, ″VGA″ for PC.If the TV can' t find any signal input, you can
Try to press″Standby″ button on remote control or the on the panel to restart the TV.

Menu Operation

If you want to adjust the display settings，please follow the instruction below.
Press the ″MENU″ and ″◀/▶ ″ buttons to browse the Channal Menu，Picture Menu，Sound Menu,
Time Menu, Option Menu and Lock Menu in turn.
Press ″OK″or″ ″button to enter into the submenu.
Press ″▲/▼″button to select items and ″◀/▶″button to adjust it.
Press ″MENU″button to return to the previous menu.
Press ″EXIT″button to exit ″MENU″ mode.
Note：When an item in MENU is displayed as gray, it means that the item is not available
or cannot be adjusted.

CHANNEL MENU

Press ″MENU″and ″◀/▶″buttons to select the CHANNEL MENU.
Press ″ OK ″ or ″ ″ button to select the items.
Press ″ ″ or ″Ok″button to enter the Submenu .
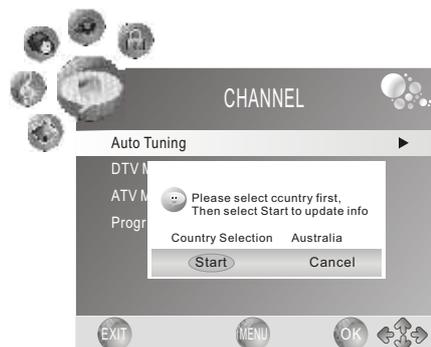

Auto Tuning

Press ″◀/▶″and ″OK ″ buttons to select Start.

Press ″OK ″ button to enter ″ Auto Searching″，the TV will
search channels automatically.

All channels will be saved once searching finished.

In the course of auto searching，you can press ″EXIT″ to
stop the searching process.

Note：If it is the first time installation，it will start
with Installation Guide Menu.

Menu Operation

DTV Manual Tuning （only available in DTV mode）

You can also set program list again one by one by ″Manual Search ″ fun ction.

Press ″◀ / ▶ ″ button to   select channel

Press ″ OK ″ button to search.

When a channel is found, the searchi ng proce ss will stop ,

the channel will be saved with current channel number

If the prog ram is not your expected one, please press

″◀ / ▶″ button to continue the searchi ng.

Press ″EXIT ″ button to exit.

ATV Manual Tuning （only available in TV mode）

If you find one channel is a little weak,
you can adjust the frequency of the channel.
It might be improve the quality of picture and sound.

Press ″▲ / ▼ ″ butto n to select items

Press ″◀ / ▶ ″ button to adjust it

Press the red button to save it .

Press ″ EXIT″ button   to exit.

Programme Edit

Press ″▲ / ▼ ″ Button to select items

Press red button to delete the channel.

Press green button to rename the channel.

Note: Only the TV channel can be renamed.

Press ″◀ / ▶ ″ to select the letter and press″▲ / ▼ ″ to

change the letter.

Press yellow button to move the channel.

Note :The list of programs include TV, DTV and Radio

The programs can be moved only among the same kind   .

Press SKIP button to skip the channel.

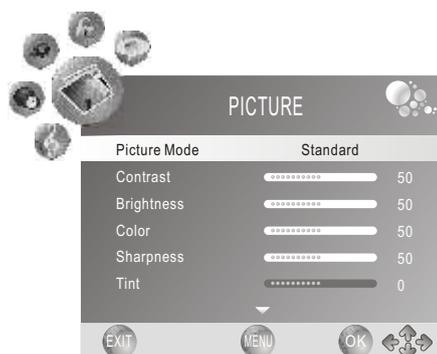Press FAV button to set the favorite channel.

Menu Operation

Picture Menu

Press "MENU"and "◀/▶"buttons to select the PICTURE MENU.

Press "▲/▼" button to select items

Picture Mode
Press "◀/▶"button to select among Dynamic, Standard, Mild and User modes.

Contrast
Press "◀/▶"button to adjust the contrast of the picture.

Brightness
Press "◀/▶"button to adjust the brightness of the picture.

Color
Press "◀/▶" button to adjust the color saturation.

Sharpness
Press "◀/▶" button to adjust the sharpness level of the picture.

Tint
Press "◀/▶" button to adjust the tint of the picture.（NTSC ONLY）

Color Temperature
Press"◀/▶" button to select among medium, warm and cool.

Aspect Ratio
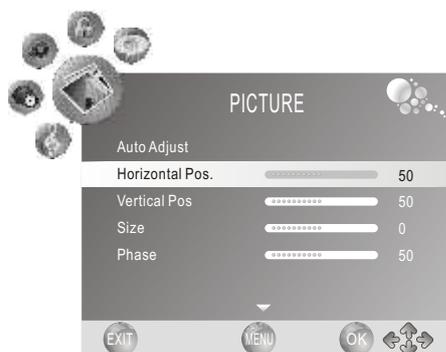Press "◀/▶" button to 16:9,4:3,Auto,Zoom2,Zoom1 select the ratio of the screen.

Noise Reduction
Press "◀/▶"button to turn on/off Weak,Middle,Strong,Auto the function of noise reduction

Screen （only available in PC RGB mode）
Press " "buttons to enter the submenu.

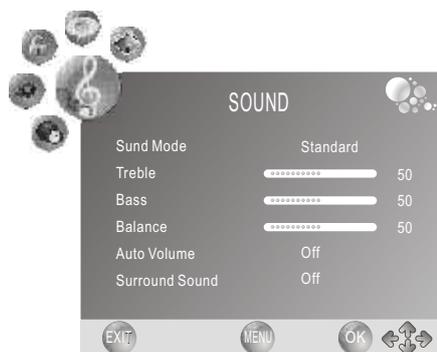Press "▲/▼" buttonto select items.

Press "◀/▶" buttonto adjust it.

Press "EXIT"button to exit.

Menu Operation

SOUNS Menu

Press ″MENU″And ″◀/▶ ″buttons to select the SOUND MENU.

Press ″▲/▼ ″ buttonto select items

SOUND

Sund Mode	Standard
Treble	50
Bass	50
Balance	50
Auto Volume	Off
Surround Sound	Off

EXIT   MENU   OK

Sound Mode
Press ″◀/▶″button to select among Standard, Music, Movie, Sports and User.

Treble
Press ″◀/▶″button to adjust the level of the higher pitcher sounds.

Bass
Press″◀/▶″ button to adjust the level of the lower pitcher sounds.

Balance
Press ″◀/▶″button to adjust the audio output between left and right speakers.

Auto Volume
Press″◀/▶ ″ button to turn on/off the function of auto volume.

Surround Sound
Press ″◀/▶ ″button to turn on/off the function of surround sound.

Time Menu

Press ″MENU″and ″◀/▶″buttons to select the TIME MENU.

Press ″▲/▼ ″ button to select items.

TIME

Clock	
Sleep Timer	Off
Time Zone	New South Wales GMT+10

EXIT   MENU   OK
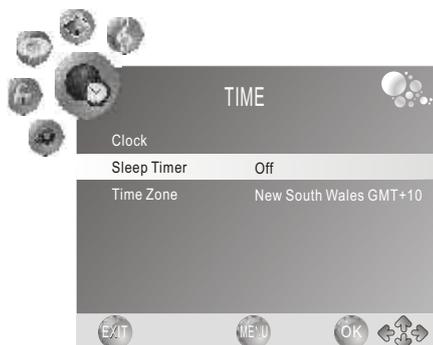
Clock
Display the system time get from DTV signal or set the system time.
Note : **Clock** cannot be modified once obtain the local time from DTV channel.

Sleep Timer
Press ″◀/▶″button to set the sleep timer.

Time Zone
Press″◀/▶ ″ button to set the time zone.

Menu Operation

Option Menu

Press ″MENU″and ″◀/▶″buttons to select the OPTION MENU.

Press ″▲/▼ ″Button to enter the Submenu.

OPTION

Language	English
Country	Australia
Blue Screen	Off
Restore Factory Default	▶

EXIT   MENU   OK

Blue Screen

Press ″◀/▶″button to turn on/off the function of blue screen.
With this function on when no signal is received in analog TV mode the TV will display a mild blue screen.

Restore Factory Default

Enter the password. (Default password is 0000)

Press ″◀/▶″button to select yes/no .

Press ″EXIT″button to exit.

Please enter password
X X X
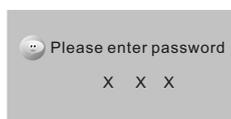
Lock Menu

Press ″MENU″and ″◀/▶″buttons to select the LOCK MENU.

Enter the password. (Default password is 0000)

Press ″▲/▼ ″ buttonto select items

Press ″▼ ″or ″Ok″button to enter the Submenu.

LOCK

Lock System	Off
Set password	
Block Program	
Parental Guidance	No Block

EXIT   MENU   OK

Please enter password
X X X
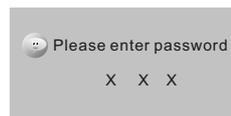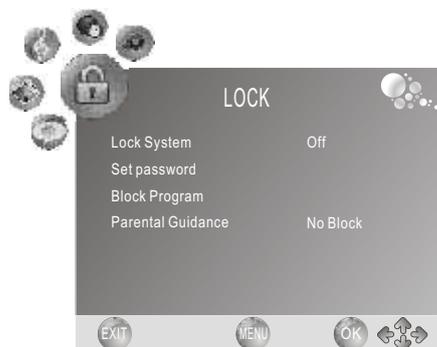
Lock System

Press ″◀/▶″button to turn on/off the function of Lock System.

Menu Operation

LOCK MENU

Set Password

Press ″ ▶ ″ to Select items.
Press number buttons to enter the new. password.

Note：If you forgot the password. Please enter the
Supercode 1090.

```
😊 Please enter Password
    New
    Confirm
```
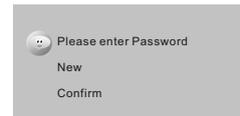
Block Program(Only available in TV mode）

Press ″▲/▼″ to select the items.
Press the green buttonto lock the channel.
Press ″EXIT″button to exit.

```
Block Program
  TV  1 A B C 1
  TV  2  C - 0 1
  TV  3 A B C 1
  TV  4 A B C 2
  TV  5 A B C 3
  TV  6  S - 4 2
  TV  7  D - 0 2
  TV  8 B B C 1
  TV  9  E - 0 1
  TV  1 0S - 4 3
EXIT  LOCK  MENU  OK
```
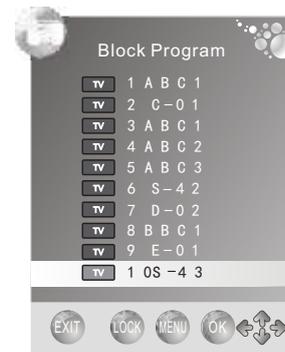
Parental Guidance(Only available in DTV mode）

Press ″◀/▶″button to select the parental guidance rate.

TV
PAL   DK
Mono

No Information   01:10

576i

In TV signal

Body Hits—Love Bugs   00:52
Wed,Mar 05 2008   00:36—01:05 SIG ○○○○○○○○○ Next ➡
Subtitle English Teletext 576i   M 13

Reserved for future use
Packed with quirky facts and some shocking revelations
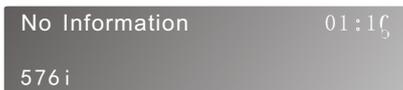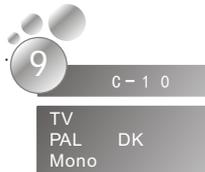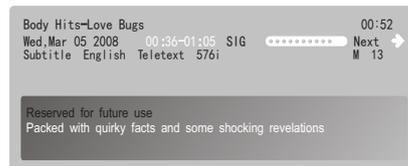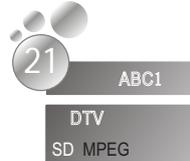
In DTV signal

SUBTITLE
Press ″SUBTITLE″ button to select subtitle of current channel.（DTV ONLY）

FAVS
Press ″FAVS″ buttonto display the favorite list.（Except under the TELETEXT mode）

HDMI
Press ″HDMI″ button to switch the desired HDMI input .

AUDIO
Press ″AUDIO″ button to select the audio source of current channel.

TV∕RADIO
Press ″TV∕ RADIO″ button to switch between DTV and radio channel.（DTV ONLY）

DTV
Press ″ DTV ″ button to switch the desired DTV mode.

ATV
Press ″ATV ″ button to switch the desired ATV mode.

Unique Buttons Operation

Important Unique Buttons

EPG〈only available in DTV mode〉

Press ″EPG″ button to display the **Electronic Programme Guide**
You can check the program information for the next 7 days.
〈If the information is available from the broadcaster 〉.
Press ″▲/▼ ″ button to select the channel
Press ″◄/►″and yellow button to select the time.
Press ″INFO″ button to show the information of the program.
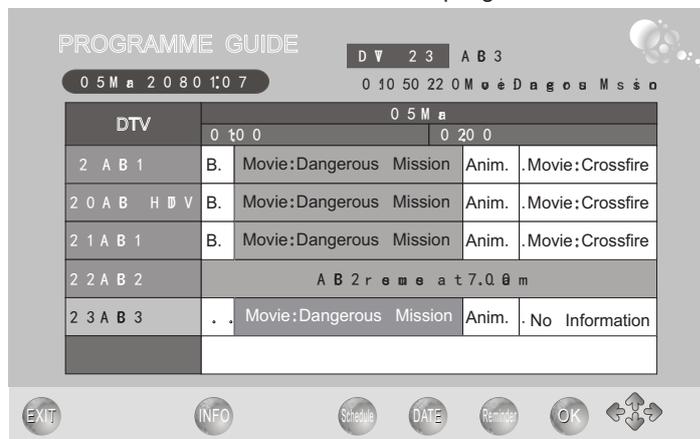
If you find the desired program which will show in the future.
Press blue button to set the Reminder.
When the reminder program is about to start,
a reminder window will appear.

Press green button to show the schedule list and red button to delete the program

Teletext

Teletext is an information system broadcast by certain channels which can be consulted like a newspaper. It also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language（cable networks, satellite channels, etc.）.

TEXT
Press the"TEXT"button to activate the Teletext mode.

MIX
Press"MIX"button to view the TV program with teletext page.
You can return to normal viewing by press the "MIX" button.

INDEX
Press " INDEX"button to enter the teletext index page.

SIZE
Repeatedly pressing the "SIZE"button doubles the character size in the following order：
Upper half of the page-> Lower half of the page-> Return to normal size.

REVEAL
Press the"REVEAL" button once to reveal/hidden information（solutions to puzzles, riddles, etc）.
This button is applicable only to teletext page with puzzles, riddles, etc.

COLOUR BUTTONS
A red, green, yellow and blue field are shown at the bottom of the screen.

HOLD
Press the"HOLD"button once to hold page and the second time to release holding of page.

Selecting a page by numeric buttons directly
You can select a page by numeric buttons directly in TEXT mode.

PAGE DOWN/UP
Use the "▲/▼" direction buttons to page up/down.

Trouble shooting

Before contrast the service technician, perform the following simple checks. If any program still persists, unplug the PDP TV and calling for serving.

PROBLEM	POSSIBLE SOLUTION
No sound and picture	Check that the main plug has been connected to a wall let. Check that you have pressed the POWER button on the front of TV set. Check the picture contrast and brightness settings.
Normal picture but no sound	Check the volume. Sound muted？ Press the MUTE button. Try another channel the problem may be with the broadcast. Are the audio cables installed properly？
The remote control does not work	Check to see if there any object between the product and remote control Causing obstruction. Are batteries installed with correct polarity（＋ to ＋, to ）. Correct remote operating mode set：TV, VCR etc.？ Install new batteries
Power is suddenly turned off	Is the sleep timer set. Check the power control settings. Power interrupted No broadcast on station tuned with auto activated.
Picture appears slowly after switching on	This is normal, the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.
No or poor colour or poor picture	Adjust the colour in menu option. Keep a sufficient distance between the product and the VCR. Try another channel, the problem may be with the broadcast. Are the VIDEO cables installed properly? Activate the any function to restore the brightness of the picture.
Horizontal／vertical bars or picture shaking	Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	Station or cable product experiencing problems. Tune to another station. Station signal is weak, reorient antenna to receive weaker station. Check for sources of possible interference.
Lines or streaks in pictures	Check the antenna（Change the direction of the antenna）.
No output from one of the speakers	Adjust balance in menu option.
NOTE：The following problems are in VGA mode.	
Vertical bar or stripe on back ground&Horizontal Noise&Incorrect position.	Work the auto adjust or adjust phase, H／V position.
Screen colour is unstable or single colour.	Check the signal cable. Reinstall the PC video card.

1. Technical Speci?cation

Product Model:	LCD27HWB
Screen Size:	26" Inches diagonal
Screen Area:	575.769mm(H) x 323.712mm(V)
Aspect Ratio:	16:9
External Size:	738mm(W) x 195mm(H) x 540mm(D) (with Stand)
Net Weight:	15.0kg (with Stand)
Resolution:	1366 (H) x 768 (V) pixels (Each pixel has R/G/B 3 color cells)
Pixel Dot Pitch:	421μm(H) x 421μm(V)
Color:	16.7 millions of colors (R/G/B each 256 scales)
Gray Scale:	256 (R/G/B each 8-bit)
Brightness(Peak Value):	450cd/m² (Typical)
Contrast(Dark Room):	3000:1 (Typical)
TV System:	PAL B/G, MPEG2
Tone Control	Yes
Power Supply:	AC 100-240V, 50/60 Hz
Power Consumption:	< 130 W
Input Terminal:	D-Sub 15 Pin (Analog RGB Input)
	HDMI×2
	Component Video - YPbPr/YCbCr x 2 RCA Terminals
	Video Input RCA Terminals ×3
	Audio Input for YPbPr/YCbCr × 2 And Video
	1 set of Stereo Audio Output Terminals (RCA, L&R)
	Audio Input for Video 3
	VGA (D-Sub 15 Pin)Audio Head Phone Input
Output Terminal:	Video output RCA
	SPDIF Output
Agent System:	SAA N17653 A/10766E
DVB-T:	Frequency Range:UHF:50.5MHz to 862MHz
	Channel Bandwidth:7MHz
	Signal Level:-10~-78dBm
	Input Connector:75 OhmFemale IEC-Connector
	Demodulation Modes:QPSK,16QAM,64QAM
	Profile Level:MPEG-2 MP@ML
	Audio Sampling Frequency:32/44.1/48khz

1. Technical Speci?cation

Product Model:	LCD32HWB
Screen Size:	31.55" Inches(801.31mm)diagonal
Screen Area:	697.685mm(H) x 392.256mm(V)
Aspect Ratio:	16:9
External Size:	865mm(W) x 185mm(H) x 612mm(D) (with Stand)
Net Weight:	19.0kg (with Stand)
Resolution:	1366 (H) x 768 (V) pixels (Each pixel has R/G/B 3 color cells)
Pixel Dot Pitch:	510μm(H) x 510μm(V)
Color:	16.7 millions of colors (R/G/B each 256 scales)
Gray Scale:	256 (R/G/B each 8-bit)
Brightness(Peak Value):	450cd/m^2 (Typical)
Contrast(Dark Room):	4000 :1 (Typical)
TV System:	PAL B/G, MPEG2
Tone Control	Yes
Power Supply:	AC 100-240V, 50/60 Hz
Power Consumption:	< 150 W
Input Terminal:	D-Sub 15 Pin (Analog RGB Input)
	HDMI×2
	Component Video - YPbPr/YCbCr x 2 RCA Terminals
	Video Input RCA Terminals ×3
	Audio Input for YPbPr/YCbCr × 2 And Video
	1 set of Stereo Audio Output Terminals (RCA, L&R)
	Audio Input for Video 3
	VGA (D-Sub 15 Pin)Audio Head Phone Input
Output Terminal:	Video output RCA
	SPDIF Output
Agent System:	SAA N17653 A/10767E
DVB-T:	Frequency Range:UHF:50.5MHz to 862MHz
	Channel Bandwidth:7MHz
	Signal Level:-10˜-78dBm
	Input Connector:75 OhmFemale IEC-Connector
	Demodulation Modes:QPSK,16QAM,64QAM
	Profile Level:MPEG-2 MP@ML
	Audio Sampling Frequency:32/44.1/48khz

1. Technical Speci?cation

Product Model:	LCD37HWB
Screen Size:	37″ Inches
Screen Area:	819.36mm(H)×460.89mm(V)
Aspect Ratio:	16:9
Vertical Frequency:	100Hz(Typical)
External Size:	1165mm(W) x 245mm(H) x 695mm(D) (with Stand)
Net Weight:	30.0kg (with Stand)
Resolution:	1920 (H) x 1080(V) pixels (Each pixel has R/G/B 3 color cells)
Pixel Dot Pitch:	426μm(H) x 426μm(V)
Color:	16.7 millions of colors (R/G/B each 256 scales)
Gray Scale:	256 (R/G/B each 10-bit)
Brightness(Peak Value):	500cd/m^2 (Typical)
Contrast(Dark Room):	1400:1 (Typical)
TV System:	PAL B/G, MPEG2
Tone Control	Yes
Power Supply:	AC 100-240V, 50/60 Hz
Power Consumption:	< 230 W
Input Terminal:	D-Sub 15 Pin (Analog RGB Input)
	HDMI×2
	Component Video - YPbPr/YCbCr x 2 RCA Terminals
	Video Input RCA Terminals ×3
	Audio Input for YPbPr/YCbCr × 2 And Video
	1 set of Stereo Audio Output Terminals (RCA, L&R)
	Audio Input for Video 3
	VGA (D-Sub 15 Pin)Audio Head Phone Input
Output Terminal:	Video output RCA
	SPDIF Output
Agent System:	SAA N17653 A/10768E
DVB-T:	Frequency Range:UHF:50.5MHz to 862MHz
	Channel Bandwidth:7MHz
	Signal Level:-10˜-78dBm
	Input Connector:75 OhmFemale IEC-Connector
	Demodulation Modes:QPSK,16QAM,64QAM
	Profile Level:MPEG-2 MP@ML
	Audio Sampling Frequency:32/44.1/48khz

1. Technical Speci?cation

Product Model:	LCD42HWB
Screen Size:	42.02 ″ Inches(1067.3mm)diagonal
Screen Area:	930.25mm(H) x 523.25mm(V)
Aspect Ratio:	16:9
Vertical Frequency:	100Hz(Typical)
External Size:	1130mm(W) x 240mm(H) x 790mm(D) (with Stand)
Net Weight:	32.0kg (with Stand)
Resolution:	1920 (H) x 1080 (V) pixels (Each pixel has R/G/B 3 color cells)
Pixel Dot Pitch:	227μm(H) x 681μm(V)
Color:	16.7 millions of colors (R/G/B each 256 scales)
Gray Scale:	256 (R/G/B each 10-bit)
Brightness(Peak Value):	500cd/m^2 (Typical)
Contrast(Dark Room):	1400:1 (Typical)
TV System:	PAL B/G, MPEG2
Tone Control	Yes
Power Supply:	AC 100-240V, 50/60 Hz
Power Consumption:	< 250 W
Input Terminal:	D-Sub 15 Pin (Analog RGB Input)
	HDMI✕2
	Component Video - YPbPr/YCbCr x 2 RCA Terminals
	Video Input RCA Terminals ✕3
	Audio Input for YPbPr/YCbCr ✕ 2 And Video
	1 set of Stereo Audio Output Terminals (RCA, L&R)
	Audio Input for Video 3
	VGA (D-Sub 15 Pin)Audio Head Phone Input
Output Terminal:	Video output RCA
	SPDIF Output
Agent System:	SAA N17653 A/10768E
DVB-T:	Frequency Range:UHF:50.5MHz to 862MHz
	Channel Bandwidth:7MHz
	Signal Level:-10˜-78dBm
	Input Connector:75 OhmFemale IEC-Connector
	Demodulation Modes:QPSK,16QAM,64QAM
	Profile Level:MPEG-2 MP@ML
	Audio Sampling Frequency:32/44.1/48khz

1. Technical Speci?cation

Product Model:	LCD42HWA
Screen Size:	42.02″ Inches(1067.3mm)diagonal
Screen Area:	930.25mm(H) x 523.25mm(V)
Aspect Ratio:	16:9
Vertical Frequency:	100Hz(Typical)
External Size:	1285mm(W) x 235mm(H) x 775mm(D) (with Stand)
Net Weight:	30.0kg (with Stand)
Resolution:	1920 (H) x 1080 (V) pixels (Each pixel has R/G/B 3 color cells)
Pixel Dot Pitch:	227μm(H) x 681μm(V)
Color:	16.7 millions of colors (R/G/B each 256 scales)
Gray Scale:	256 (R/G/B each 10-bit)
Brightness(Peak Value):	500cd/m^2 (Typical)
Contrast(Dark Room):	1400:1 (Typical)
TV System:	PAL B/G, MPEG2
Tone Control	Yes
Power Supply:	AC 100-240V, 50/60 Hz
Power Consumption:	< 250 W
Input Terminal:	D-Sub 15 Pin (Analog RGB Input)
	HDMI×2
	Component Video - YPbPr/YCbCr x 2 RCA Terminals
	Video Input RCA Terminals ×3
	Audio Input for YPbPr/YCbCr × 2 And Video
	1 set of Stereo Audio Output Terminals (RCA, L&R)
	Audio Input for Video 3
	VGA (D-Sub 15 Pin)Audio Head Phone Input
Output Terminal:	Video output RCA
	SPDIF Output
Agent System:	SAA N17653 A/10768E
DVB-T:	Frequency Range:UHF:50.5MHz to 862MHz
	Channel Bandwidth:7MHz
	Signal Level:-10˜-78dBm
	Input Connector:75 OhmFemale IEC-Connector
	Demodulation Modes:QPSK,16QAM,64QAM
	Profile Level:MPEG-2 MP@ML
	Audio Sampling Frequency:32/44.1/48khz

1. Technical Speci?cation

Product Model:	LCD47HWA
Screen Size:	46.96″ Inches(1192.87mm)diagonal
Screen Area:	1039.68mm(H) x 584.82mm(V)
Aspect Ratio:	16:9
Vertical Frequency:	100Hz(Typical)
External Size:	
Net Weight:	46.0kg (with Stand)
Resolution:	1920 (H) x 1080 (V) pixels (Each pixel has R/G/B 3 color cells)
Pixel Dot Pitch:	541.5 μm(V) x 541.5 μm(V)
Color:	16.7 millions of colors (R/G/B each 256 scales)
Gray Scale:	256 (R/G/B each 10-bit)
Brightness(Peak Value):	500cd/m^2 (Typical)
Contrast(Dark Room):	1400:1 (Typical)
TV System:	PAL B/G, MPEG2
Tone Control	Yes
Power Supply:	AC 100-240V, 50/60 Hz
Power Consumption:	< 280 W
Input Terminal:	D-Sub 15 Pin (Analog RGB Input)
	HDMI×2
	Component Video - YPbPr/YCbCr x 2 RCA Terminals
	Video Input RCA Terminals ×3
	Audio Input for YPbPr/YCbCr × 2 And Video
	1 set of Stereo Audio Output Terminals (RCA, L&R)
	Audio Input for Video 3
	VGA (D-Sub 15 Pin)Audio Head Phone Input
Output Terminal:	Video output RCA
	SPDIF Output
Agent System:	SAA N17653 A/10769E
DVB-T:	Frequency Range:UHF:50.5MHz to 862MHz
	Channel Bandwidth:7MHz
	Signal Level:-10˜-78dBm
	Input Connector:75 OhmFemale IEC-Connector
	Demodulation Modes:QPSK,16QAM,64QAM
	Profile Level:MPEG-2 MP@ML
	Audio Sampling Frequency:32/44.1/48khz

2. Support the Signal Mode

A. D-Sub Mode (VGA)

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640 x 480	31.50	60.00
800 x 600	35.16	56.25
	37.90	60.00
1024 x 768	48.40	60.00
1280 x 1024	64.00	60.00

B. HDTV Mode (YPbPr)

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
480i	15.734	60.00
576i	15.625	50.00
480p	31.468	60.00
720p(50Hz)	37.50	50.00
720p(60Hz)	45.00	60.00
1080i(50Hz)	28.125	50.00
1080P(60Hz)	33.75	60.00

C. HDMI Mode

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
480p	31.468	60.00
720p(50Hz)	37.50	50.00
720p(60Hz)	45.00	60.00
1080i(50Hz)	28.125	50.00
1080P(60Hz)	33.75	60.00

- When the signal received by the Display exceeds the allowed range, a warning message shall appear on the screen.
- You can con?rm the input signal format from the on-screen.

AS Reference only. Panels Feature depends on the type of the Panels. Specifications are subject to change for engineering and design reason. Without prior notice.

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