DAEWOO

LCD TV User's Manual

Model No. : DLN-26D3, DLN-30D3

Please observe all safety precautions when using this product.
Please read this manual carefully before using this product.

Quick and Easy Installation

Versatility and Expandability

That doesn't make you feel fatigue on your Eyes.

Flat-Panel Digital Display easy on the Eyes.

Important Safety Instuctions

User Guidance Information

Connection

Basic Use

CONTENTS

Important Safety Instructions

Important safeguards for you and your new product

Always be careful when using your LCD TV. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

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 a dry cloth.

7) Do not block any of the 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 amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit 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 the attachments/accessories specified by the manufacturer.

12) Use only with a cart, stand, tripod, bracket, or table specified 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 qualified 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.

• Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus

<table>
<tr><td>

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELE-CTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

</td><td>

This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

</td></tr>
</table>

NOTE TO CABLE/TV INSTALLER :

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

Important Safety Instructions

WARNING

TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Caution :

- These servicing instructions are for use by qualified service personnel only.
  To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Important :

One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws.
Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

REGULATORY INFORMATION :

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

What is LCD TV?

LCD (Liquid Crystal Display) is a next generation flat-panel display module. Liquid crystal material is contained between sheets of glass and electricity causes the liquid crystal material to reflect or block the light emitted from a light source inside the display chassis.

By incorporating this LCD display module, LCD TVs enable you to enjoy outstanding picture quality without the worries of space limitation and harmful radiation you may have experienced with conventional CRT TVs.

Features

- Picture-in-Picture : Enables you to simultaneously display two different image sources.
- PC Compatible Monitor : Enables you to connect PC (D-Sub, DVI) input for displaying high-resolution SXGA (1280x1024, 60Hz) PC images.
- HDTV-Ready Display : Enables you to view high-definition digital pictures using a DVD player or HDTV set-top receiver.
- Various Picture/ Sound Controls : Enables you to set the picture and sound settings for a number of different types of programs and viewing and listening conditions.
- Auto Power On/Off Timer : Enables you to set the TV to automatically turn ON or OFF at a preset time.
- Auto Channel Search : Enables you to set the TV to search for all available standard broadcast and cable TV channels and store them automatically.

Names of each part

Front View

DLN-26D3

DLN-30D3
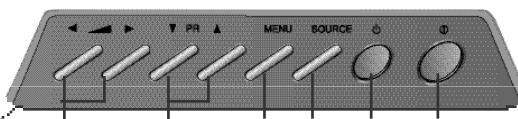
VOLUME (◢◣)Button : VOLUME -, + Button

PR Button : PROGRAM/ Channel -, + Button
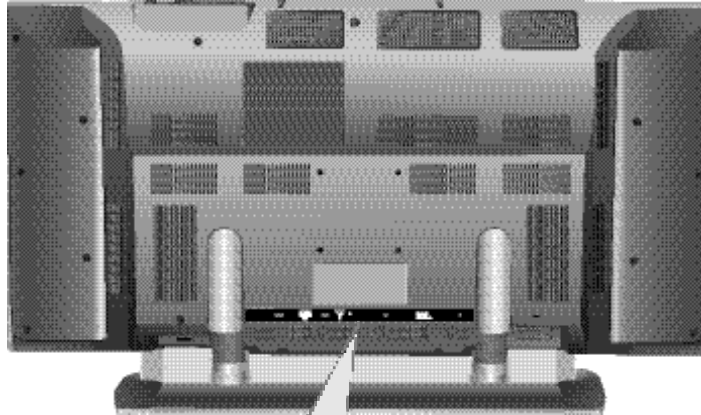
MENU Button : OSD MENU Display Button

Source select Button : TV, AV, S-Video,
Component 1,
Component 2,
DVI, PC Select Button

Standby Button

Main Power Button : Please turn off the main power
switch, if the LCD TV will not be used for a long
period of time

Controls and Functions

Back View
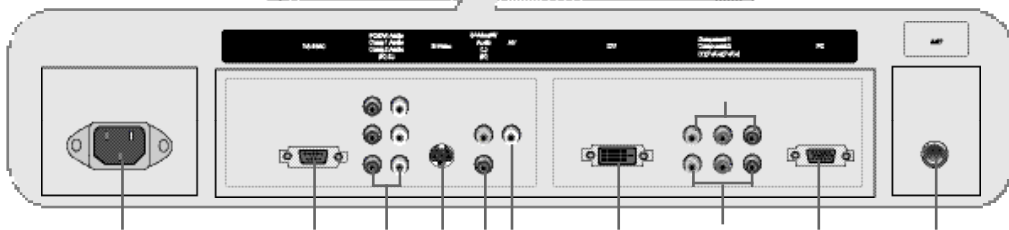
AC Input
RS-232C
Audio Input (PC/DVI, Component1, Component2)
S-Video Input
S-Video/ AV Audio Input
AV Input

DVI-D Input
Component1 Input
Component2 Input
PC (D-Sub) Input
Antenna (RF) Input

Accessories

The configuration of the components may look different from the following illustration.

User's Guide

Antenna Cable   Power Cord   User's Guide   Remote   Battery (2) (AAA, 1.5V)
                                                                    Control
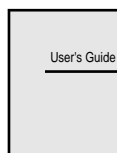
Mounting on a Wall

Your LCD TV can be mounted on a wall as shown in the figure above.

Installation Precautions

Wall Mounting

Please secure enough space for safe use. (Please refer to A and B.)
Installation of the LCD TV in an improperly ventilated location can cause a fire or damage to the LCD TV due to increased temperature.

A ──────►
(Mounting on a wall)
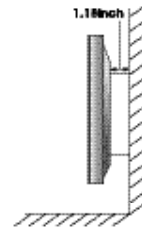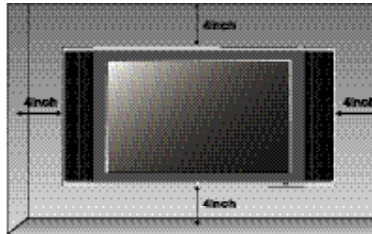
Contact your dealer to purchase the "Adjustable-angle wall mount" required for wall-mounted installation.

Using the Stand

Do not install on an unstable location with support area smaller than the LCD TV.

B ──────►
(Using the Stand)

Installing an Antenna

Wall Jack with
F-Connector

Coaxial (Round) Antenna Cable

TV ANTENNA

75 Ω
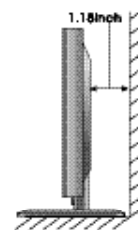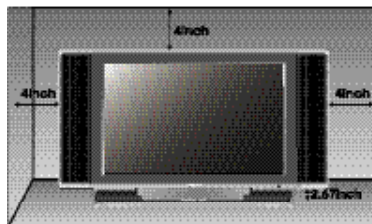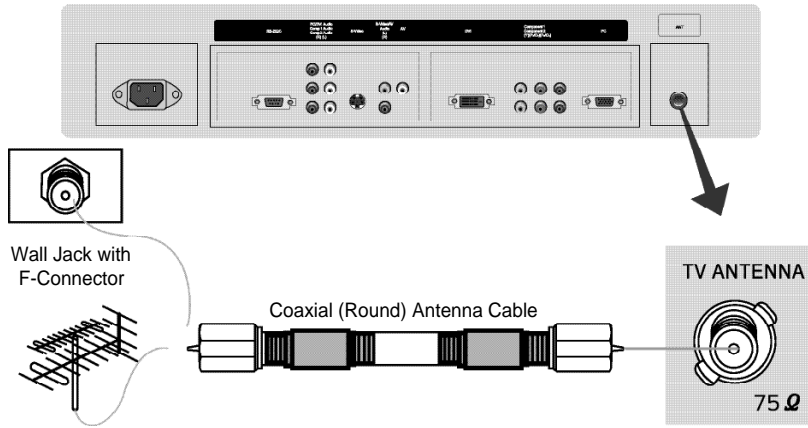
Connecting an Outdoor Antenna

For the best reception, we recommend you use an outdoor antenna.

Severely weathered antennas and antenna cables can reduce the signal quality.

Before making any onnections, inspect all antenna hardware. Any service center can explain the various outdoor antennas vailable to you.

300 Ohm Flat Wire

Connect the 300 ohm flat wire to the screws on the 300 ohm to 75 ohm adapter. Push the end of 300 ohm to 75 ohm adapter onto the 75 ohm antenna jack.

300 ohm Flat Wire

TV ANTENNA

300 to 75
ohm Adapter
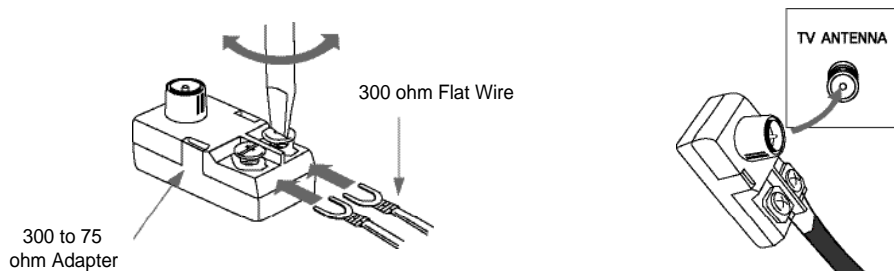
75 Ohm Coaxial Cable

Connect the 75 ohm coaxial cable directly to the 75 ohm antenna jack.

TV ANTENNA
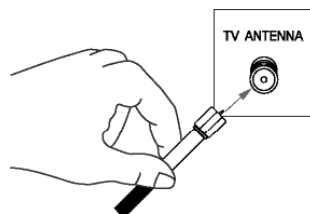
Remote Controller

Functions of remote control buttons

The remote control is using Infra-Red (IR). Point it towards the front of the LCD TV. The remote control may not work correctly if it is operated out of range or out of angle.
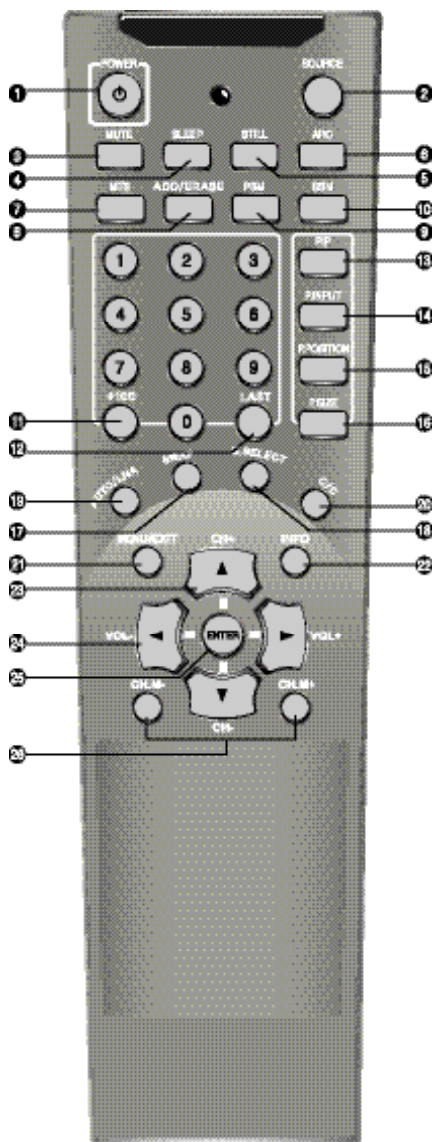
1. POWER : TURNS THE TV ON AND OFF(page.20)
2. SOURCE : USE TO SELECT AN INPUT SOURCE (page.23)
3. MUTE : PRESS TO TEMPORARILY CUT OFF THE SOUND (page.21)
4. SLEEP : PRESS TO SELECT A TIME FOR THE TV TO TURN OFF AUTOMATICALLY (page.39)
5. STILL : PRESS TO STOP THE ACTION DURING A PARTICULAR SCENE (page.21)
6. ARC (Aspect Ratio Control) : PRESS TO CHANGE THE SCREEN SIZE (page.28)
7. MTS (Multi-Television Sound) : PRESS TO SELECT MONO OR STEREO MODE (page.36)
8. ADD/ ERASE : PRESS TO ADD OR ERASE CHANNELS IN THE TV'S MEMORY (page.23)
9. PSM : PICTURE STATUS MEMORY KEY (page.24) (CUSTOM, DYNAMIC, STANDARD, MOVIE, MILD)
10. SSM : SOUND STATUS MEMORY KEY (page.25) (CUSTOM, STANDARD, MUSIC, MOVIE, SPEECH)
11. +100 : PRESS TO SELECT CHANNELS OVER 100. FOR EXAMPLE, TO SELECT CHANNEL 107, PRESS "+100" THEN PRESS "0" AND "7"
12. LAST : TUNES TO THE PREVIOUS CHANNEL (page.21)

PIP CONTROL KEY (page.35)

13. PIP : PIP ON/OFF
14. P.INPUT : PIP INPUT SELECT KEY
15. P.POSITION : PIP POSITION CONTROL KEY
16. P.SIZE : PIP AND PBP MODE CHANGE
17. SWAP : MAIN AND SUB SOURCE SWAP
18. S.SELECT : MAIN OR SUB SOUND SELECT KEY

19. AUTO/ LNA : PC MODE : AUTO IN PROGRESS KEY (Press to Control the Monitor screen automatically)
   TV MODE : LNA KEY(Low Noise Amplifier)
20. C /C : CLOSED CAPTION (page.34)
21. MENU/EXIT : PRESS TO MENU SCREEN SHOWS OR EXIT
22. INFO : PRESS TO DISPLAY THE CURRENT CHANNEL AND AUDIO/ VIDEO SETTINGS (page.21)
23. , (CH+, CH-) : PRESS TO CHANGE THE MEMORY CHANNELS OR MENU CONTROL KEY
24. , (VOL-, VOL+) : PRESS TO INCREASE OR DECREASE THE VOLUME OR MENU CONTROL KEY
25. ENTER : SAVE THE VALUE
26. CH.M-, CH.M+ : PRESS TO CHANGE THE ONE BY ONE CHANNEL

Precautions

### Avoiding Remote Control Problems

1. Check the polarity (+,-) of the batteries in the remote controller.
2. Check that the batteries have power.
3. Check that the LCD TV is powered and that it is properly plugged in.
4. Check if any three-wavelength lamp, special fluorescent or neon sign is turned on near the LCD TV.

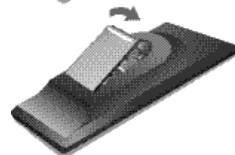### Inserting Batteries in the Remote Controller

1. Open the cover out completely.
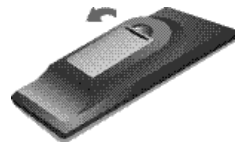
2. Insert the two supplied batteries (AAA, 1.5V). Ensure that the polarities (+ and -) of the batteries are aligned correctly.
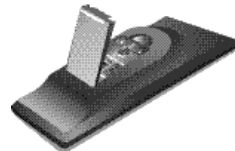
3. Replace the cover.

⚠ CAUTION :

   Risk of explosion if battery is replaced by an incorrect type.
   Dispose of used batteries according to the national code (Recycling program).

How to use remote controller

· The remote control should be operated within 23feet (7m) and 30˚ to the left and the right of the IR receiver on the front of the LCD TV.

· Used batteries should be disposed properly.

VCR Connections

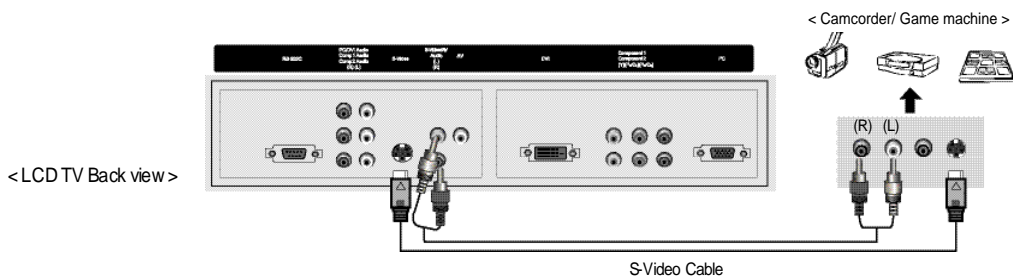### Connecting to the AV terminal

Connection terminals of other appliances differ by manufacturer and model.

< VIDEO >

< LCD TV Back view >
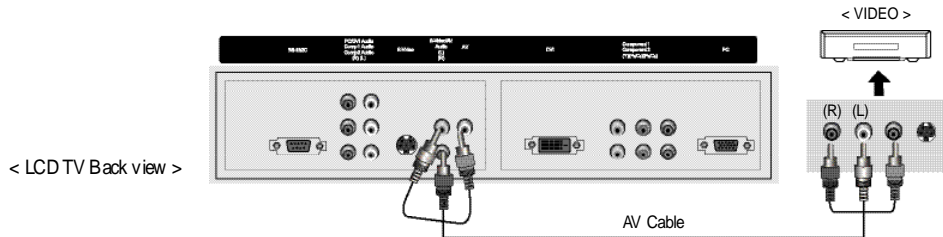
AV Cable

· Connect the LCD TV's AV In terminal to the VCR's AV Out terminal using the AV cable.
(Make sure the color of the terminals and the color of cable are the same)

Connecting to the S-Video terminal

< VIDEO >

< LCD TV Back view >
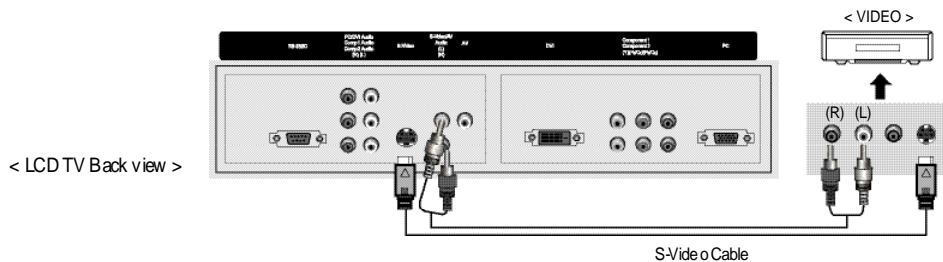
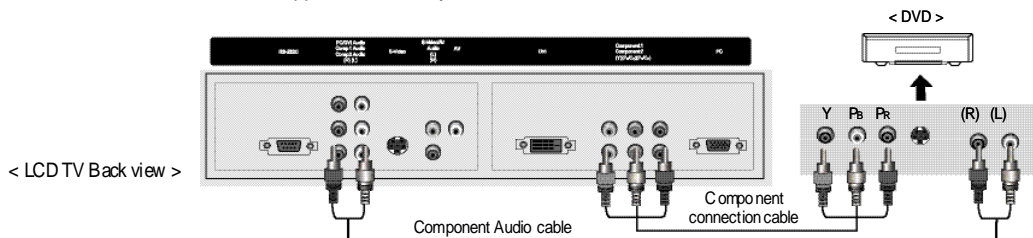S-Video Cable

Use the S-Video cable for higher picture quality.

Playing the VCR

1. Turn on the LCD TV and press ⊙ on the remote controller.

2. Use ⊕ to move to "AV".

· If S-Video has been connected, select "S-Video".

3. Turn on the VCR, insert the tape and press play button.

Cable TV Connections

Connecting to the AV terminal

In order to watch Cable TV, Subscribe to your local Cable TV company and install a separate converter(Set-Top-Box)
Connection terminals of other appliances differ by manufacturer and model.

< Cable broadcasting receiver >

< LCD TV Back view >

(R) (L)
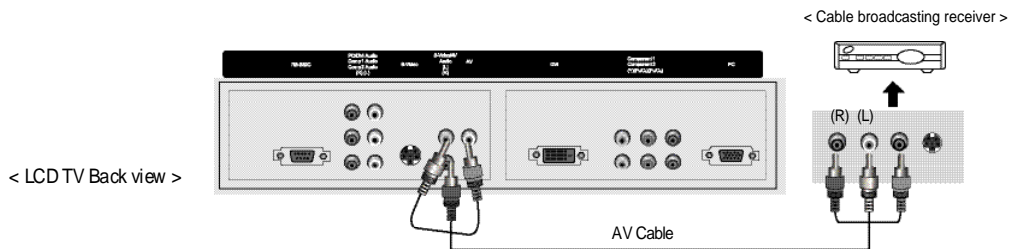
AV Cable

· Connect the LCD TV's AV In terminal to the cable broadcasting receiver AV Out terminal using the AV cable. (Make
  sure the color of the terminals and the color of cable are the same)

Connecting to S-Video terminal

< Cable broadcasting receiver >

< LCD TV Back view >

(R) (L)
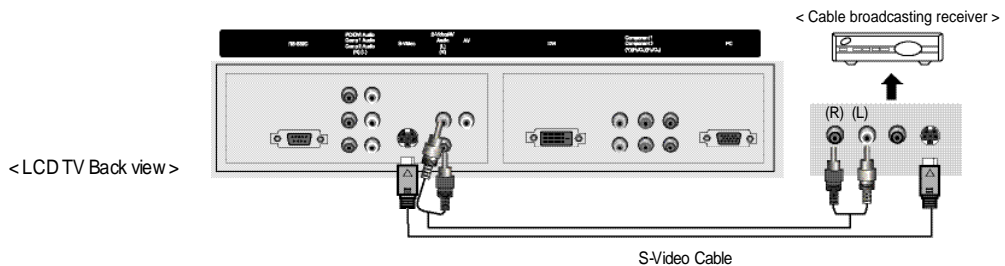
S-Video Cable

Use the S-Video cable for higher picture quality.

Viewing Cable TV

1. Turn on the LCD TV and press   on the remote controller.

2. Use   to move to "AV".

· If S-Video has been connected, select "S-Video".

3. Turn on the cable broadcasting receive and select the channel you wish to view.

Camcorder/Game Console Connections

Connecting to the AV terminal

Connection terminals of other appliances differ by manufacturer and model.

< Camcorder/ Game machine >

< LCD TV Back view >

AV Cable

(R) (L)
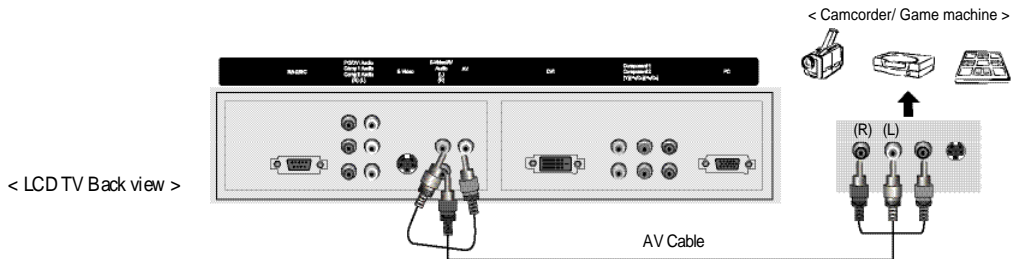
· Connect the LCD TV's AV In terminal to the camcorder/game console's AV Out terminal with the AV cable. (Make sure the color of the terminals and the color of cable are the same)

Connecting to S-Video terminal

< Camcorder/ Game machine >

< LCD TV Back view >

S-Video Cable

(R) (L)

S-Video cable can be used if there is an S-Video terminal.

Using Camcorder/Game Console

1. Turn on the LCD TV and press [SOURCE] on the remote controller.

2. Use [▲▼] to move to "AV".

· If S-Video has been connected, select "S-Video".

3. Turn on the Camcorder or video game and Set to Video mode.

(Please refer to the User's manual of Camcorder/ Video game for more information)

4. Insert tape into Camcorder and press play button or insert disc into the Video game console.

DVD Connections

Connecting to the component terminal

Connection terminals of other appliances differ by manufacturer and model.

< DVD >

Y   PB   PR   (R) (L)

< LCD TV Back view >

Component Audio cable

Component
connection cable

1. Connect LCD TV's Y, PB, PR terminal in Component 1 or 2 to DVD's Video Out terminal using the external cable.
2. Connect LCD TV's Audio terminals (left & right) in Component 1 or 2 to DVD's Audio Out terminal using the Audio cable.

Connecting to the S-Video terminal

< DVD >

Y   PB   PR   (R) (L)

< LCD TV Back view >
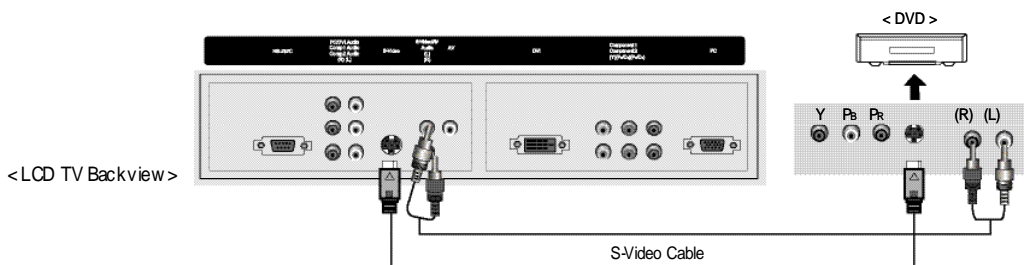
S-Video Cable

S-Video cable can be used if there is an S-Video terminal.

Connecting to the DVI-D terminal

< DVD >

Y   PB PR   (R) (L)

< LCD TV Back view >

DVI-D Cable
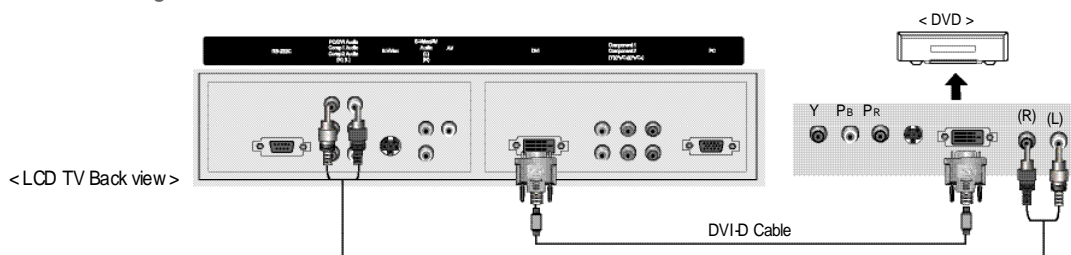
Playing the DVD

1. Turn on the LCD TV and press [   ] on the remote controller.

2. Use [   ] to move to "Component1" or "Component2".

· If S-Video has been connected, select "S-Video".

3. Turn on the DVD, insert the DVD and press Play button.

17

HDTV Connections

Connecting to the component terminal

Connection terminals of other appliances differ by manufacturer and model.

< HDTV receiver>

< LCD TV Back view >

Component Connection Cable

Component Audio Cable
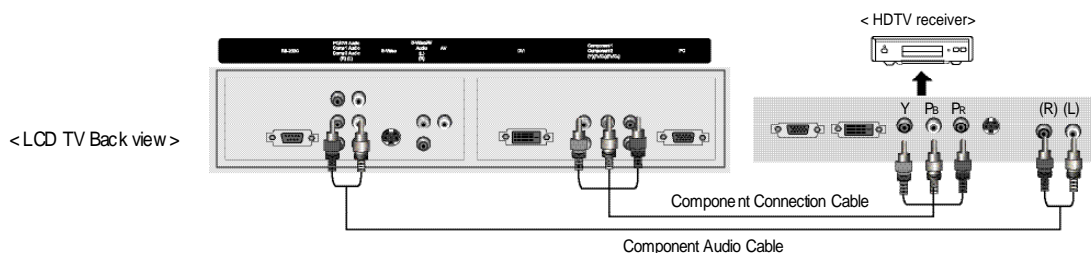
1. Connect LCD TV's Y, PB, PR terminal in Component 1 or 2 to HDTV receiver's Video Out terminal using the external cable.
2. Connect LCD TV's Audio terminals (left & right) in Component 1 or 2 to HDTV receiver's Audio Out terminal using the Audio cable.
3. It musts agree Component's number of Y, PB, PR terminal and Audio terminal.

   HDTV receiver's output terminal can be marked Y, PB, PR or Y, CB, CR according to products.

Connecting to the PC/ DVI terminal

< HDTV receiver>

< LCD TV Back view >

PC Cable (D-Sub)

PC Audio Cable   DVI-D Cable
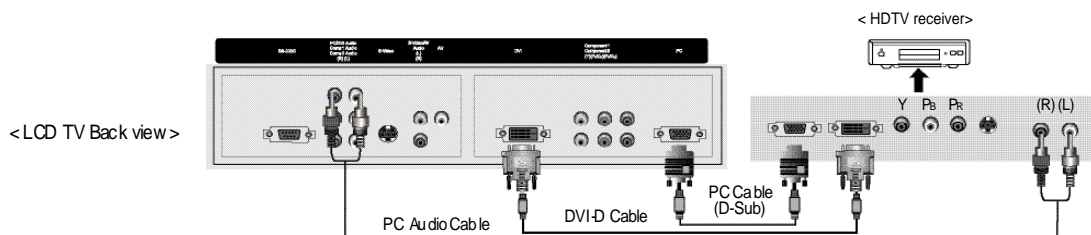
· Some of HDTV receiver(Set-Top-Box) have an PC Connector (D-Sub 15pin) DVI connector instead of Component output .
· Connect Audio Cable from the Audio output terminal of receiver to the PC Audio input terminal of the LCD TV.

Viewing HDTV

1. Turn on the LCD TV and press ⚪ on the remote controller.

2. Use 🔘 to move to "Component1" or "Component2".

· If D-Sub 15 Pin terminal has been connected, select "PC".
· If DVI-D has been connected, select "DVI".

3. Turn on the HDTV receiver and select the channel that you want.

PC Connections

Connecting to the PC /DVI terminal

Connection terminals of other appliances differ by manufacturer and model.

< PC >

< LCD TV Back view >

DVI-D Cable

PC Cable
(D-Sub)
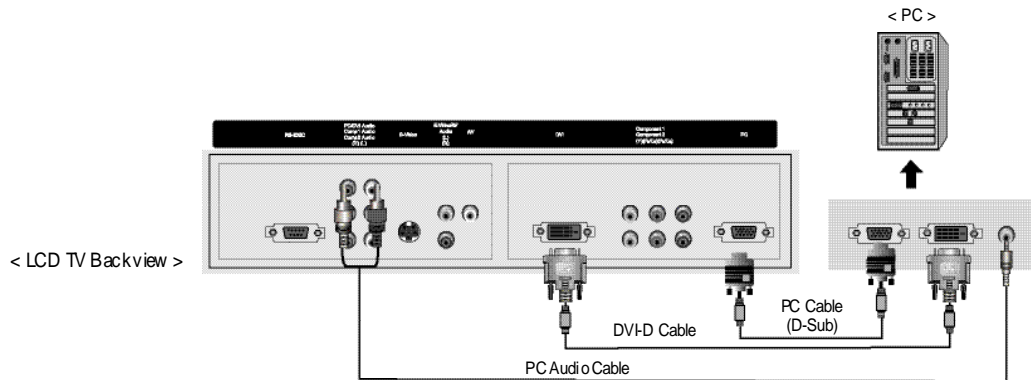
PC Audio Cable

· Connect LCD TV's PC Input terminal to PC's D-Sub terminal using the D-Sub cable.
· Connect LCD TV's PC Audio terminal to PC's Audio terminal using the Audio cable.
  (Only possible for PC's with Audio terminal)
· If there is a DVI-D terminal in your PC, use the DVI-D cable connection.

How to Use as PC

1. Turn on the LCD TV and press ⬤ on the remote controller.

2. Use ⬤ to move to "PC".

   If DVI-D has been connected, select "DVI"

3. Set the PC video output mode to VGA (640× 480)/ SVGA (800× 600)/ XGA (1024× 768), SXGA (1280× 1024, 60Hz). In the mode higher than SXGA (1280× 1024, 60Hz) "Out of Range" message appears. Be sure to change your PC video format to less than SXGA mode.

Powering the LCD TV

Power on/ off

· To turn the LCD TV on :
  Press the "Main Power" button of LCD TV and then press the "Standby" button.

· To turn the LCD TV off :
  Press "Standby" button on the LCD TV and then press the "Main Power" button.
  Turning the main power switch off will save energy. It is the same as unplugging the power cord.
  If ON Time setting is set, the main power should be ON.

· To turn on/off by remote controller :
  Press the Power button of remote controller (If the LCD TV is not turned on, check that the "Main Power"
  button on the LCD TV main body is turned on. The main power indicator will light up red if turned on).
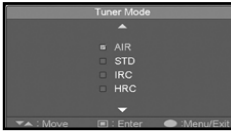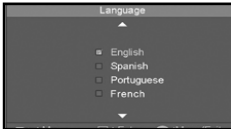
⚠ CAUTION :
  After turning off the main Power, please wait at least more than 3 seconds to turn the main power back on.

Initial Settings

· When the brand new television set it turned on for the first time, following settings can be set using the plug
  and play function of the TV.

Using the menu

Press the "Main Power" button of LCD TV and then press the "Standby" button.
You will see the Tuner Mode selection menu.

Use ⊡ to move to the desired "Tuner Mode". (See page. 22)

Press ⊙ to select.
  Automatically "Auto Search" beginning.
  After "Auto Search" ends, select the desired Language.

Use ⊡ to move to the desired "Language".

Press ⊙ to select.

Press ⊙ to go back to the previous menu.

Channel Selection

increases the memory channel.

increases by one channel.

decreases the memory channel.

decreases by one channel.

You will see all the channels that the TV has memorized.

You will see channels that were either erased or not memorized.

To go back to the previous channel

Press   to go back to the channel you were previously viewing.

To View the still picture

Press   .

Picture will freeze, but sound will continue to be heard.

Press   again to cancel.

Volume Control

increases the volume.

decreases the volume.

To turn off only sound

Use the mute function to turn off the LCD TV sound for a while, when a phone or a bell rings.

Press   button again to hear the sound again.

To check the current state

Press   button on the remote control.

Display shows user's setting and selections.

Press   button or wait 10 seconds for the display to disappear.
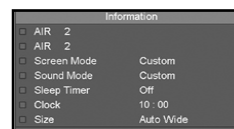
Memorizing the Channels

Selecting the Video signal-source.

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV.

Press ⊙ .

Use (◁▷) to move to [image] .

Press (ENTER) to select "Tuner Mode".
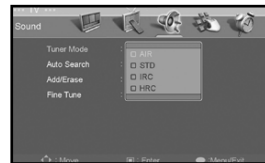
Use (⊟) to move to the desired signal source.

Press ⊙ to go back to the previous menu.
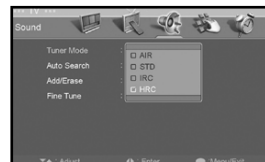
STD, IRC and HRC identify Various types of Cable TV systems.
Contact your local company to identify the type of cable system that exists in your particular area.

· AIR : Airwaves broadcasting   · IRC : Incrementally Related Carrier
· STD : Standard CATV frequency   · HRC : Harmonically Related Carrier

Storing Channels in Memory (Automatic Method)

First, Select the correct signal source (AIR, STD, IRC, HRC)

Press ⊙ .

Use (◁▷) to move to [image] .

Press (▽) to move to "Auto Search".

Press (ENTER) to select.

Use (◁▷) to move to "Start".

Press (ENTER) to select.
Searching all the channels on each tuner modes (AIR, STD, IRC, HRC) using Auto search.

Press ⊙ to go back to the previous menu.
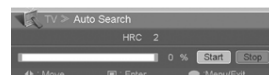
Memorizing the Channels

Adding and Erasing Channel (Manual Method)

Press ⬤ .

Use ◁▷ to move to [TV].

Press ▽ to move to "Add/Erase"

Press (ENTER) to select.

Tuner Mode : HRC
Auto Search : >
Add/Erase : >
Fine Tune : >
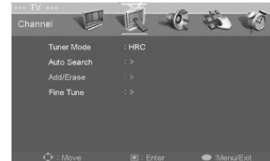
Use ◁▷ to move to "Add" or "Erase".

Press (ENTER) to select.

TV > Add/Erase
AIR : 2
Not in Memory   Add   Erase
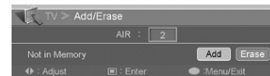
Press ⬤ to go back to the previous menu.

Or press [ADD/ERASE] button on the remote control.

Selecting Input Source

You can select between the TV signal and the input signal of other appliances connected to the TV.
Use this function to switch to the input source you wish to view.

Press (SOURCE) button on the remote control.

Use ▲▼ to move to the desired input source.

Press (ENTER) to select.

Input Source
TV
AV   Connected
S VIDEO   Connected
Component 1
Component 2
PC
DVI
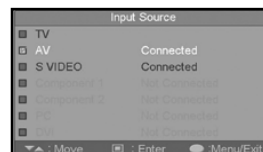
Aside from the watching TV, you can connect AV, S-Video, Component1, Component 2, PC and
DVI to the TV set and enjoy these functions.

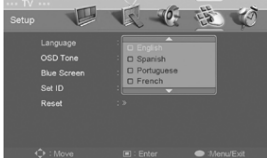All input sources will be automatically detected and displayed on screen, but you may select an
activated source when the input cable is connected only.

Changing Picture Settings

Press (PSM) button on the remote control.

Press the mode buttons on the shown on the screen repeatedly to adjust the settings.

Custom → Dynamic → Standard → Movie → Mild

- Custom : Select to set user's preferences.
- Dynamic : Select when using the LCD TV in a brightly lit environment.
- Standard : It is the best screen setting (factory setting).
- Movie : Select when watching a movie.
- Mild : Select when using the LCD TV in a dimly lit environment.

Custom Picture Adjustment

Press (ENTER) .

Use 🢐🢒 to move to ▦ .

Press (ENTER) to select "Custom Adjust".

Use 🢑🢓 to move to the desired category.

Use 🢐🢒 to adjust the setting.

Use 🢑🢓 select between Brightness/ Contrast/ Color/Tint/ Sharpness.
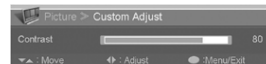
Press (ENTER) to go back to the previous menu.

Custom Mode

- Brightness : It adjusts the brightness of the image.
- Contrast : It adjusts the contrast of image.
- Hue : It adjusts the intensity of the color.
- Saturation : It adjusts the natural tint of the image.
- Sharpness : It adjusts the clarity of the image.

Changing Sound Settings

Press [ ] button on the remote control.

Press the mode buttons on the shown on the screen repeatedly to adjust the settings.

| Custom | → | Standard | → | Music | → | Movie | → | Speech |

· Custom : Select when listening to the sound to user's preference.
· Standard : It is the flat sound setting with no equalizer effect at all.
· Music : It is preset for music listening.
· Movie : It is preset sound for watching a movie.
· Speech : It is preset for hearing vocal audio clearly.

Custom Sound Adjustment

Press [ ] .

Use [ ] to move to [ ] .

Press [ENTER] to select "Custom Adjust".

Use [ ] to move to the desired category.

Use [ ] to adjust the setting.
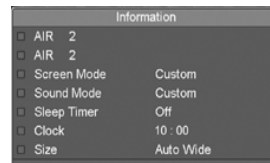
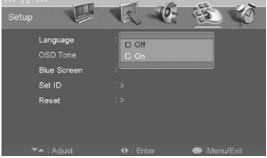Press [ ] to go back to the previous menu.

Custom Mode

· 10KHz, 3KHz, 1KHz,300Hz, 100Hz, : It adjusts the volume by frequency bands and the user can select the desired sound quality.
· Balance : It adjusts the volume of speakers on the left and the right.

Selecting the Menu Language

Menu screen can be viewed in the language preferred by the user.

Press	⊙	.
Use	◁▷	to move to 🖱 .
Press	ENTER	to select "Language".
Use	▲▼	to select the desired language.
Press	⊙	to go back to the previous menu.

Setting OSD Tone Menu Background

Press	⊙	.
Use	◁▷	to move to 🖱 .
Press	▼	to move to "OSD Tone".
Press	ENTER	to select.
Use	▲▼	to select the "On".
Press	⊙	to go back to the previous menu.

Setting Blue Background

The LCD TV can be set to display blue screen when no TV signal or signal from other connected appliances are being received. If there is an incoming signal, the blue screen will be replaced by the normal picture screen.

Press .

Use to move to .

Press to move to "Blue Screen".

Press to select.

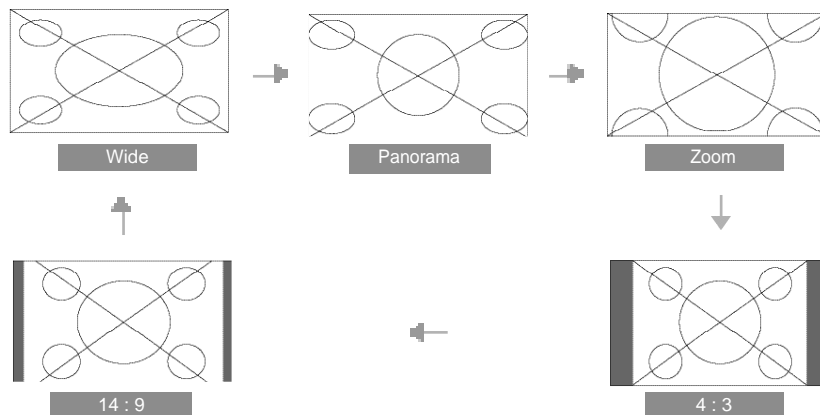Use to select the "On".

Press to go back to the previous menu.
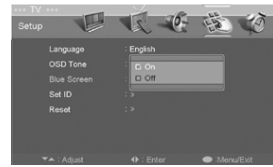
Changing Screen Size

Press [ARC] button on the remote control (aspect ratio controller).

Wide	→	Panorama	→	Zoom	→	4 : 3 (normal)	→	14 : 9

In PC/DVI input mode, you can only select either the Wide or the 4 : 3 (normal) mode.

Wide → Panorama → Zoom

14 : 9 ← 4 : 3

Screen Size

· Wide - It makes 16 : 9 format for input signal.
· Panorama - It makes 4 : 3 format fit into 16 : 9 format with minimal loss in content.
· Zoom - It enlarges the natural screen factor by approx.
· 4 : 3 - It is the standard format of broadcasting.
· 14 : 9 - It makes 14 : 9 format for input signal.

Adjusting Unclear Screen

Use screen fine-tune controls to adjust the screen when picture quality is unclear or lines appear.

Press ⬡ .

Use ⬡⬡ to move to [icon] .

Press ⬡ to move to "Fine Tune".

Press ENTER to select.

Use ⬡⬡ to tune.

Press ⬡ to go back to the previous menu.

To return to initial setting, use [icon] to select "Reset" and press ENTER .

Using the V-Chip

The V-Chip feature automatically locks out programming that is deemed inappropriate for children.
The user must first enter a password before any of the V-Chip restrictions can be set up or changed.

Press   .

Use   to move to   .

Press   to move to "V-Chip".

Press   to select.

The "ENTER Password" screen will appear. Enter your 4-digit number.
The default password for a new TV set is   .
After entering a valid password, The "V-Chip" Screen will appear.

How to Enable/ Disable the V-Chip

Use   to move to "Status"

Press   to select.

Use   to select the "On" or "Off".

Press   to go back to the previous menu.

Setting up your V-CHIP password
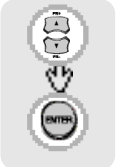
First, Set up a personal identification number(password) and enable the V-Chip.

Use   to move to "Change password"

Press   to select.

     The "Edit password" screen will appear.
     Press number button to select the "Enter New Password" and
     "Confirm New Password" (4-digit).

Press   to go back to the previous menu.
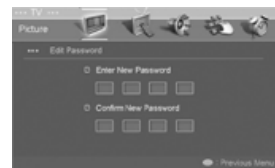
Using the V-Chip

How to set up Restrictions using the "TV guidelines"

First, Set up a personal identification number (password) and enable the V-Chip.
Parental restrictions can be set up using either of two methods ;
The TV guidelines or the MPAA rating.

Use [ ] to move to "TV Parental Guide".

Press [ ] to select.

Use [ ] or [ ] to move to desired categories.

Press [ ] to set the restriction ratings.

Press [ ] to go back to the previous menu.

The V-Chip will automatically block certain categories that are "More restrictive".
For example, if you check "L" Sub-rating in TV-PG, then the "L" Sub-rating in TV-14 and TV-MA will
automatically be checked.

· TV-Y : Young Children
· TV-Y7 : Child 7 and over   ⎤ (young Children through age 7)

· TV-G : General audience   ⎤
· TV-PG : Parental guidance suggested
· TV-14 : Parents strongly cautioned (everybody else)
· TV-MA : Mature audience   ⎦

   The restrictions for these two groups work independently.

· FV : Fantasy Violence
· V : Violence
· S : Sexual situation
· L : Adult Language
· D : Sexual Suggestive Dialog

Using the V-Chip

How to Set up Restrictions using the MPAA Ratings

The MPAA rating system uses the Motion Picture Association of America(MPAA) system, and its main application is for movies.

When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable rating (either MPAA or TV-Rating).
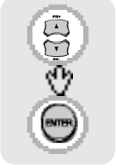
First, Set up a personal identification number(password) and enable the V-Chip.

Use   to move to "MPAA"

Press   to select.

Use   to move to desired categories.

Press   to set the restriction ratings.

Press   to go back to the previous menu.

Use   to move to "Canadian English".

Press   to select.

Use   to move to desired categories.

Press   to set the restriction ratings.

Press   to go back to the previous menu.

· E : Exempt
· C : Children
· C8+ : Children eight years and older
· G : General programming. Suitable for all aduiences
· PG : Parental Guidance
· 14+ : Viewers 14 years and older
· 18+ : Adult Programming

Using the V-Chip

Use to move to "Canadian French".

Press to select.

Use to move to desired categories.

Press to set the restriction ratings.

Press to go back to the previous menu.

· E : Exemptées
· G : General
· 8 ans+ : General-Deconsaille aux jeunes enfants
· 13 ans+ : Cette emission peut ne pas convenir aux enFants de moins de 13 ans
· 16 ans+ : Cette emission ne convicnt pas aux moins de 16 ans
· 18 ans+ : Cette emission est reservee aux adultes

How to Reset the TV after the V-Chip Blocks a Channel.

If the TV is turned to restricted channel, the V-Chip will block it.
The Screen will go blank and the following message will appear:
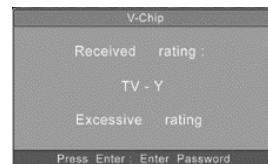
To resume normal viewing, press the key and press your personal identification number (Password).

· G : All Children and General audience.
· PG : Parental guidance suggested
· PG13 : Parental guidance for children under 13
· R : Restricted viewing, parental guidance is suggested for children under17.
· NC17 : No children under age 17
· X : Adults only
· NR : Not rated

Viewing the Closed Captions

Press [ ] .

Use [ ] to move to [ ] .

Press [ ] to move to "Caption".

Press [ENTER] to select.

Use [ ] to set the closed captions.

Press [ ] to go back to the previous menu.

You can select these options in the following order.

You can get the same result by pressing the [ ] button on the remote control.

Viewing Picture in Picture

Or press [PIP] button on the remote control.

Sound from only one of the screens may be heard.

TV/External Input

Or press [PINPUT] button on the remote control.

The sub-screen can be changed to display picture from the desired input source.

Changing the Screen Size

Or press [PSIZE] button on the remote control. .

Selecting Position

Or press [PPOSITION] button on the remote control.

Sub-screen position can be selected only from the ▢ .

Main Screen/Sub Screen Swap

Or press [SWAP] button on the remote control.

The main screen and the sub screen will swap.

Selecting Sub Screen Sound

Or press button on the remote control.

You can select sound of "Main" screen or "sub" screen.

Picture in Picture Display Mode

According to the below table, you can select Picture in Picture supporting modes.

Sub main	TV	AV	S-video	Component 1	Component 2	PC	DVI
TV	**NO**	YES	YES	YES	YES	YES	YES
AV	YES	**NO**	YES	YES	YES	YES	YES
S-video	YES	YES	**NO**	YES	YES	YES	YES
Component 1	YES	YES	YES	**NO**	**NO**	**NO**	YES
Component 2	YES	YES	YES	**NO**	**NO**	**NO**	YES
PC	YES	YES	YES	**NO**	**NO**	**NO**	YES
DVI	YES	YES	YES	YES	YES	YES	**NO**

Auto Volume Level

This feature maintains an equal Volume level, even if you change channels.

Press		.
Use		to move to .
Press		to move to "AVL".
Press		to select.
Use		to select the "On".
Press		to go back to the previous menu.
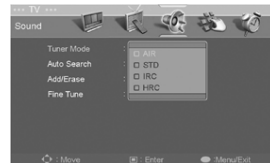
Listening to Stereo Sound

Depending on the particular program being broadcast, you can listen to stereo, mono or a secondary Audio Program.

Press		.
Use		to move to
Press		to move to "MTS".
Press	ENTER	to select.
Use		to select the desired category.
Press		to go back to the previous menu.
Or press	MTS	Button on the remote control. (Multi Television Sound)

Resetting LCD TV Settings

It resets all of the parameters to the factory default.

Press		.
Use		to move to
Press		to move to "Reset".
Press	ENTER	to select.
Use		to select the "YES".
Press	ENTER	to select
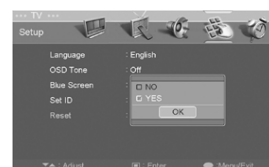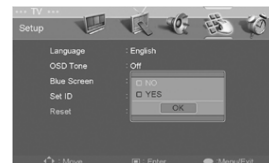
The LCD TV will turn off. The parameters will be set to factory default.

Setting Time

Press ⬤ .

Use ◁▷ to move to ⏰ .

Press (ENTER) to select "Clock".

Use ▲▼ to adjust the desired hour.

Press ▷ to move one step.

Use ▲▼ to adjust the desired minute.

Press ⬤ to go back to the previous menu.

Automatic Power On/Off

Clock time must be set

Press ⊙ .

Use ◁▷ to move to 🕐 .

Press ▽ to move to desired category.

Press (ENTER) to select.

	Setting Time for Power On	Setting Time for Power Off
Setting Hour Use 🔼🔽 to set	On Timer 12 -- Off	Off Timer 11 -- Off
Setting Minute Use ◁▷ to select, 🔼🔽 to set	On Time 12 30 Off	Off Time 11 10 Off
Set/Cancel Use ◁▷ to select, 🔼🔽 to select the "On" or "Off"	On Time 12 30 On	Off Time 12 30 On
Channel Select Use 🔼🔽 to set Channel	On Time Channel : 2	
Volume Control Use 🔼🔽 to set volume	On Time Volume 11	

To have the TV turn off after you fall a sleep

press (SLEEP) button on the remote control.

It automatically turns off the TV after a designated period of time
Depending on the number of times the "SLEEP" button is pressed, the TV will be turned off after 30, 60, 90, 120, 150 or 180 minutes.

Using TV as a Monitor

Press ⊙ SOURCE button on the remote control.

Use 🔘 to move to "PC".

Press 🔘 ENTER to select.

Input Source	
■ TV	
■ AV	Connected
■ S VIDEO	Connected
■ Component 1	Not Connected
■ Component 2	Not Connected
□ PC	Connected
■	
▼▲ : Move ▣ : Enter ● :Menu/Exit	

PC Mode must be on in order for you to use the TV as a monitor.

Adjusting PC Screen

Press ⊙ .

Use 🔘 to move to 🖥 .

Press 🔘 to move to "PC/HDTV".

Press 🔘 ENTER to select.

Use 🔘 to move to desired category.

Use 🔘 to adjust the setting.

Press ⊙ to go back to the previous menu.

· Auto in progress
· Phase : It adjusts the phase shift of the image. Use when image appears blurry or out of focus.
· H-Position : It moves the image on the screen horizontally.
· V-Position : It moves the image on the screen vertically.

Adjusting Color Tone

Press ⊙ .

Use ◁▷ to move to [icon].

Press ▽ to move to "PC/HDTV".

Press (ENTER) to select.

Use ▽ to move to "Color Tone"

Press ▷ to select.
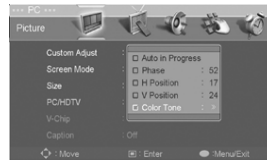
Use ▽ to select the desired category.

Press ⊙ to go back to the previous menu.

· Cool 1: This results in a blueish tone.
· Cool 2: This results in a more blueish tone.
· Normal : This is standard color setting.
· Warm1 : This results in a reddish tone.
· Warm2 : This results in a more reddish tone.

Trouble shooting Tips

Do not use other functions that are mentioned on this user's manual. It will be main reason of a faulty and motion error.

In case a problem occurs with your LCD TV, please take the following steps first.

If you still have the problem, turn the power off and contact your dealer or an authorized service center.

Screen related Matters

| Problem	Action
The screen does not appear.	Is the power plug pulled out? Insert the power plug. Turn the main power button on and press the power button of the remote controller.
The screen appears too slowly after the power is turned on.	This problem occurs for a brief time in the process of image elimination processing in order to hide temporary screen noise that occurs when the power is turned on. But if the screen does not come after 1 minute has passed, contact your dealer or an authorized service center.
Screen is too bright or too dark.	Perform brightness adjustment or contrast adjustment. (Please refer to page 24)
Screen is too large or too small.	Adjust the screen size. (Please refer to page 28)
Stripes appear on the screen and it shakes.	Stop using wireless telephones, hair driers and electric drills.
Simultaneous Screen does not appear.	Check that LCD TV and external equipment are connected. Check the inputs of simultaneous screen by pressing sub-screen selection.
The screen does not move.	Press the "STILL" button. (Please refer to page 21) Check if the Pause button is pressed on external equipment.
Computer Input Screen is abnormal.	Perform manual fine adjustment (Please refer to page 40).
Automatic Turn On does not work.	Automatic Turn on function works only when turning the LCD TV off with the remote controller or standby button.
The screen does not appear on AV source.	Check that S-Video source is connected. If AV and S-Video are simultaneosely connected, you can't select AV source.

Sound related Matters

Problem	Action
Screen appears, Voice is not heard	1. Press the "MUTE" button. (page 21) 2. Increase the sound by pressing volume adjustment button. 3. Check if voice terminal of external input is connected properly. 4. Check if audio cables are connected properly. 5. If it is on PIP mode, convert audio of main screen and sub-screen by pressing "S.SELECT". 6. Select and check the other input. If the sound still does not work and the other channels are the same after you have done as the above, contact your dealer or an authorized service center.
Lots of noise (static) occurs.	When connecting a Set-Top-Box, check that it is on stereo broadcasting If it is, the TV program may not be available or the reception may be bad. Check the audio source with another player. If that source is good, contact your dealer or an Authorized service center.

Trouble shooting Tips

Others

Problem	Action
Remote controller does not work.	1. Check if main power is on. 2. Check that the batteries of the remote controller were loaded properly. 3. Check to see if any obstacle exists between the LCD TV and the remote controller and remove it, if any. 4. If the batteries have no power, replace them with two new batteries.
LCD TV makes strange noise.	It is the noise when the mechanism expands or contracts from to changes to the environment due to factors such as humidity, temperature, etc. It is not a failure.
LCD TV indication lamp is on.	The red means the Stand-by power is on. It will take a few seconds to turn off as the main power is off.
Had forgotten Password of V-Chip	Press , , , (ENTER) buttons on the Remotecontrol in V-Chip function.
Can not select PC mode when D-sub cable is connected to the RGB output of Set-top-box.	D-sub cable must not meet VESA standard. (D-sub No. 10 pin must be grounded) Component cable can be used if there is an Component terminal.(See Page 18)

This LCD TV is for household use and registered as suitable on electromagnetic waves. Therefore, you can use it in every location as well as residential areas.

Supporting display mode

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
640× 480	31.47	60
	37.86	72
	37.50	75
720× 400	31.47	70
800× 600	35.15	56
	48.88	72
	46.88	75
1024× 768	48.36	60
	56.48	70
	60.02	75
1280× 1024	64.0	60

Considerations in Installation

If any signal of unsupported resolution is input, the "Out of Range" message appears.

Supported Display Modes

Component Mode $[Y, C_B(P_B), C_R(P_R)]$

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	
720× 480	15.73	60.00	SDTV, DVD 480i
720× 480	31.47	59.94	SDTV, 480p
1280× 720	45.00	60.00	HDTV, 720p
1280× 720	44.96	59.94	HDTV, 720p
1920× 1080	33.75	60.00	HDTV, 1080i
1920× 1080	33.72	59.94	HDTV, 1080i

Specifications

MODEL	DLN-26D3	DLN-30D3
Aspect Ratio	15 : 9	15 : 9
Screen Size (H× V)	566.4mm× 339.84mm	643.2mm× 385.92mm
Resolution	1280× 768(Wide XGA)	1280× 768(Wide XGA)
Pixel pitch	0.4425mm× 0.4425mm	0.1675mm× RGB× 0.5025mm
Displayable Colors	16.7M	16.7M
Brightness	450cd/ (Typical)	550cd/ (Typical)
Contrast	500:1	600:1
Color Temperature	9500 K	9500 K
Viewing Angle	85 / 85 / 85 / 85	85 / 85 / 85 / 85
Input signal	NTSC, SD~HD, VGA~SXGA	
Tuner	NTSC	
RGB Input	D-Sub, DVID	
AC Input	AC100-240V~, 50/60Hz, 2A	AC100-240V~, 50/60Hz, 2A
Power Consumption	140W	150W
Dimensions/ Weight (H× V× W) (Kg)	TV Only - 818.5× 434× 116.5/ 15.2Kg with stand - 818.5× 488.4× 215/ 18.3Kg	TV Only - 933× 479× 104/ 15.3Kg with stand - 933× 526× 215/ 18.4Kg

The outside design and specification can be modified without any previous notice for improving the performance.

Memo

DIGITAL ART