APPENDIX H

: USER'S MANUAL

27" WIDE TFT LCD TV/MONITOR

Model: **LT-27KMF**

Owner's Manual

Warnings

WARNING

RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING :
To reduce the risk of electric shock do not remove cover (or back).
No user serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING :

To prevent fire or shock hazard, do not expose the set to rain or moisture. Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mar, or damage the Active Matrix LCD permanently.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the cable TV 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.

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.

CAUTION:

Do not attempt to modify this product in any way without written authorization. Unauthorized modification could void the user’s authority to operate this product.

Warnings

Service

Never remove the back cover of the TV, this can expose you to high voltage and other hazards. If the TV does not operate properly, unplug it and call your dealer. Connect the antenna cable to the connection marked Ant. (on the rear). For best reception, use an outdoor antenna.

Location

Position your TV so that no bright light or sunlight will shine directly on the screen. Do not expose the TV to vibration, moisture, dust or heat. Also ensure that the TV is placed in a position that allows a free flow of air. Do not cover the ventilation openings on the back cover. You can install the TV on a wall or place it on a table-top or similar flat surface. Mounted the TV securely to eliminate the risk of injury from the TV falling.

Cleaning

Unplug the TV before cleaning the face of the LCD Screen. Dust the TV by wiping the screen and cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid or aerosol cleaners.

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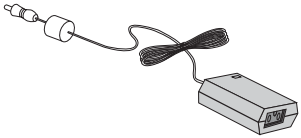
Supplied Accessories

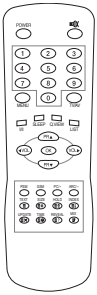
■ **Make Sure the following accessories are provided with Product.**

1. AC/DC adaptor

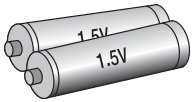


2. AC Cord

3. Remote controller

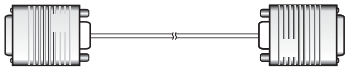


4. Batteries (type AAA)



5. Owner's manual

6. PC IN cable

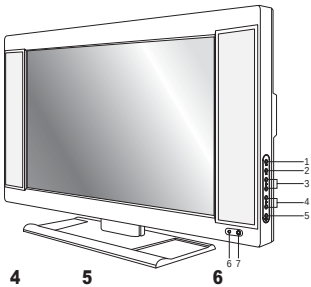


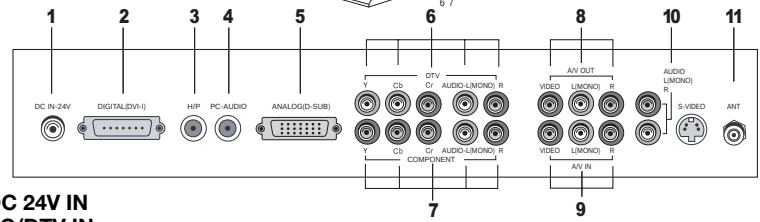
7. PC Audio IN cable

8. PC DIGITAL Cable

Controls

1. ON/OFF Switches TV set on or off.
2. MENU
Displays a menu.
3. - CH + (Channel Up/Down)
Selects a program or a menu item.
4. - VOL + (Volume Up/Down)
Adjusts the volume./ Adjusts menu settings.
5. TV/AV Selects TV, COMPONENT, VIDEO, S-VIDEO, RADIO(Only when the set is Radio On.) PC or DTV mode. / Clears the menu from the screen.
6. Power Indicator
Illuminates in red when the TV is in standby mode./ Illuminates in green when the TV is switched on. Illuminates in amber and blinks when the power save mode only PC mode).
7. Remote control sensor
Accepts the IR signal of remote controller.





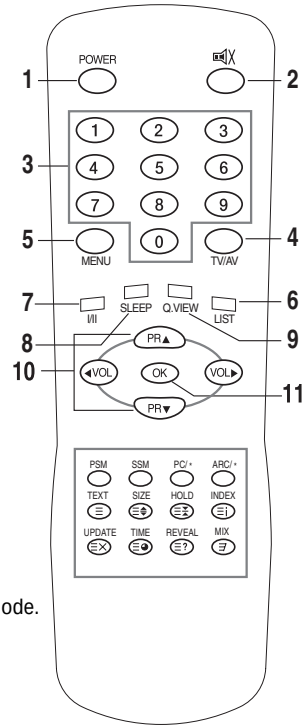
1. DC 24V IN
2. PC/DTV IN
3. H/P OUT
Connect a headphone to this socket.
4. PC AUDIO IN
Connect the audio cable from the PC to the PC Audio IN of the set.
5. HEADPHONE out5. PC ANALOG IN (D-SUB)
6. DTV
7. COMPONENT
8. A/V OUT
9.A/V IN
Connect the Audio/Video outputs of external equipment to these inputs.
10. S-VIDEO IN
Connect the output of an S-VIDEO VCR to the S-VIDEO input
Connect the audio outputs of an S-VIDEO VCR to the AV-IN audio inputs.
11. ANT (Antenna input)

Controls

All the functions can be controlled with the remote controller . Some functions can also be adjusted with the buttons on the front panel of the set.

Remote controller

Before you use the remote controller, please install the batteries.



1. POWER
Turns the TV from standby or off to standby mode.

2. MUTE
Turns the sound on or off.

3. NUMBER buttons
Selects channel numbers.

4. PSM
Recalls your preferred picture setting.

5. SSM
Recalls your preferred sound setting.

6. MENU
Displays a main menu.

7. ST/SAP
Selects the MTS-Stereo, Mono and SAP

8. Q.VIEW
Returns to the previously viewed channel.

9. TV/AV
Selects TV, COMPONENT, VIDEO, S-VIDEO, PC or DTV mode.
Clears the menu from the screen.

10. CH▲▼ (Channel Up/Down)
Selects next channel or a menu item.

11. OK
Accepts your selection or displays the current mode.

12. VOL◀▶(Volume Up/Down)
Adjusts the sound level.
Adjusts menu settings.

Controls

13. CC
Sets the caption function.

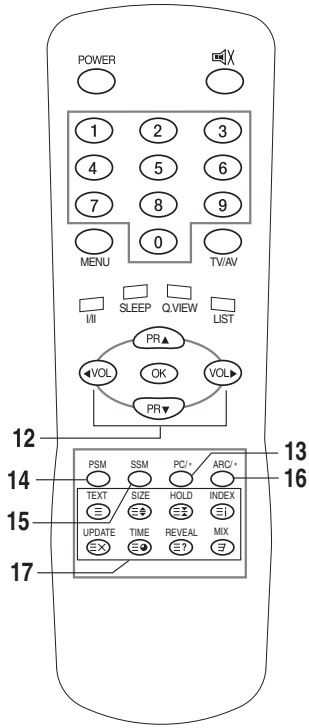
14. MEMORY
Stores or removes the current channel.

15. SLEEP
Sets the sleep timer.

16. PC/*
Selects the PC mode.

17. ARC/*
You can watch TV in various picture formats; **16:9, 14:9, 4:3, Auto, 16:9 Zoom, 14:9 Zoom, 4:3 Zoom.** Repeatedly press the **ARC/*** button to select your desired picture format.

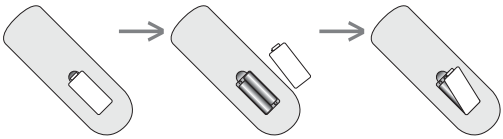
Note. 16:9 and 4:3 in PC mode are available.



Battery installation

■Inserting batteries

1.Pull the battery cover upward in the arrow direction to remove.
2.Insert the batteries with correct polarity.
3.Put the battery cover back.



* Apply two 1.5V alkaline batteries of AAA type. Don't mix the used batteries with new batteries.
* Remove batteries when you don't use the remote control for long time. Liquid leakage from old battery may cause operation failure.

■Notes for using remote control

- Make sure these are no objects between the remote control and its sensor.
- Don't place the remote control near a heater or damp place. Strong impact on remote control may cause operation failure.
- Signal from the remote control may be disturbed by sun light or other strong light. In this case, turn the set to other direction.

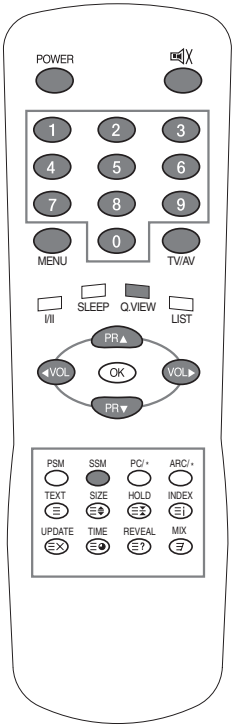
Basic Operation

Turning the TV On and Off

Standby Setup: The AC-DC converter and the AC power cord must be set up and connected to have the TV in standby mode ready to be turned on. Press the ON/OFF button on the front panel of the TV to go into standby mode.

1. If the TV is in standby mode, press the **POWER** button on the remote controller or the TV itself to turn the TV on.
2. Press the Power button again on the remote controller or the TV itself to turn the TV off.

Note : If the TV is on and the **POWER** button is pressed to turn the TV off, the TV goes into standby mode.



Channel selection

You can select a Channel number with the **CH▲▼** or NUMBER button.

Volume adjustment

Press the **VOL◀▶** button to adjust the volume.

Quick view

Press the **Q.VIEW** button to view the last channel you were watching.

Mute function

Press the **MUTE**(🔇) button. The sound is switched off and the display 🔇 appears.

You can cancel it by pressing the **MUTE**(🔇), **VOL◀▶** or **SSM** button.

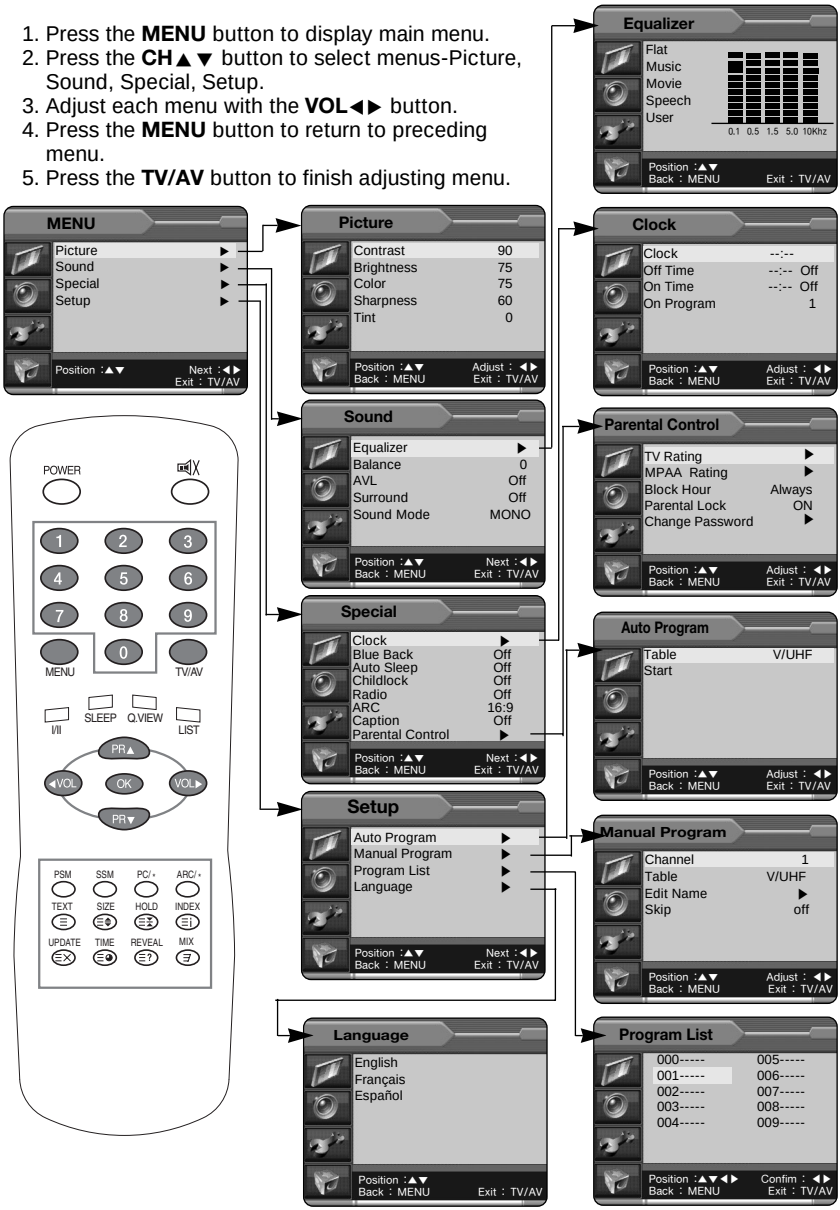
On screen Language selection

The menu can be displayed on the screen in desired language.
First select your language.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select the **Language** menu.
4. Press the **CH▲▼** button to select your desired language.
5. Press the **TV/AV** button.
   All the on screen displays will appear in the selected language.

On Screen Display

1. Press the **MENU** button to display main menu.
2. Press the **CH▲▼** button to select menus-Picture, Sound, Special, Setup.
3. Adjust each menu with the **VOL◀▶** button.
4. Press the **MENU** button to return to preceding menu.
5. Press the **TV/AV** button to finish adjusting menu.



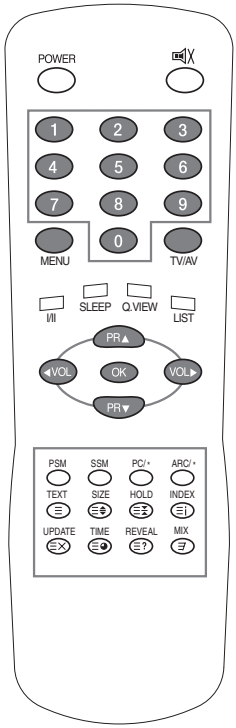
Setting up TV Channel

Once you have preset the Channel, you will be able to use the **CH▲▼** to scan the Channel you Programed. Channel can be tuned using Auto or Manual Program menu.

Auto Program

All Channel that can be received are stored by this method. It is recommended that you use Auto Program during installation of this set.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select the **Auto program** menu**.**
4. Press the **CH▲▼** button to select **Table** mode.
5. Select a Table mode with the **VOL◀▶** button, **V/UHF◀▶ Cable**.
6. Select the Start with the **CH▲▼** button.
7. Press the **VOL◀▶** button to start **Auto program**.
8. Press the **MENU** button to stop **Auto program**.
9. Press the **TV/AV** button to return to normal TV viewing.



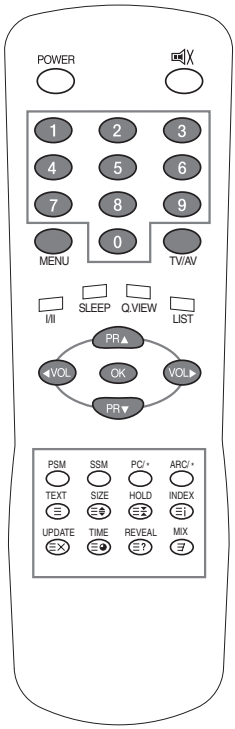
Setting up TV Channel

Manual Program

Manual Program lets you manually tune and arrange the Channels in whatever order you desire. Also you can assign a Channel name with 5 characters to each channel number.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Select the **Manual program** menu.
4. Press the **CH▲▼** button to select **Channel**.
5. Select the Table menu. Then select a tuner mode with the **VOL◀▶** button,
   V/UHF◀▶Cable.
6. Select the Edit Name with **CH▲▼** button. Then press the **VOL◀▶**button.

7. Press the **CH▲▼**button repeatedly to edit program name. You can use the numeric 0 to 9, the alphabet A to z (capital and small letters.) a blank and -. With the **VOL◀▶** button you can select in the opposite direction.
8. Press the **OK** button to store it.
9. Press the **MENU** button to return to prior menu.
10. Press the **TV/AV** button to return to normal TV viewing.



Setting up TV Channel

Program List

You can check the Programs stored in the memory by displaying the Program list.

1. Press the **MENU** button.
2. Select the **Setup** menu.
3. Press the **CH▲▼** button select Program list.

Selecting a Channel in the Program list

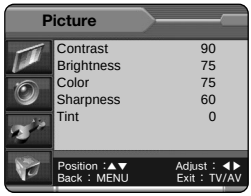
Select a channel with the **CH▲▼** or **VOL◀▶** button.
The set switches to the chosen channel number.

Paging through a Program list

When the set is TV mode, there are 7 program table pages in which contain 69 Programs and when the set is cable mode, there are 13 program table pages in Which contain 125 programs.
Pressing the **CH▲▼** or **VOL◀▶** button repeatedly turns the pages.

Picture Control

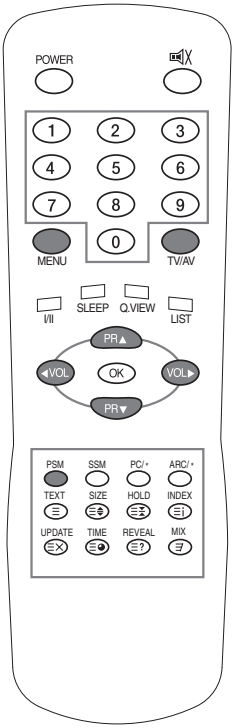
You can adjust picture Contrast, Brightness, Colour, Sharpness and Tint to the levels you prefer.



Manual Picture Control

1. Press the **MENU** button.
2. Select the **Picture** menu.
3. Press the **CH▲▼** button select a picture item.
4. Press the **VOL◀▶** button to adjust the picture condition as you want.
5. Press the **TV/AV** button to store as User mode.

Selected Item	Setting Change
Contrast	More darkness VOL◀ 0~100 ▶VOL More light
Brightness	Less bright VOL◀ 0~100 ▶VOL More bright
Color	Lower color intensity VOL◀ 0~100 ▶VOL Higher color intensity
Sharpness	Soft picture VOL◀ 0~100 ▶VOL Sharp picture
Tint	More purple VOL◀ -50~50 ▶VOL More green



Auto Picture Control

PSM (Picture Status Memory)

1. Press the **PSM** button.
2. Press the **PSM** button repeatedly to select [PSM].
3. Press the **OK** button.

Each press of the button changes the screen display as below.

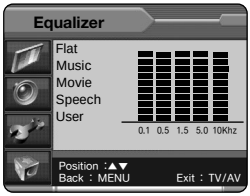
Dynamic → Standard → Mild → Game → User

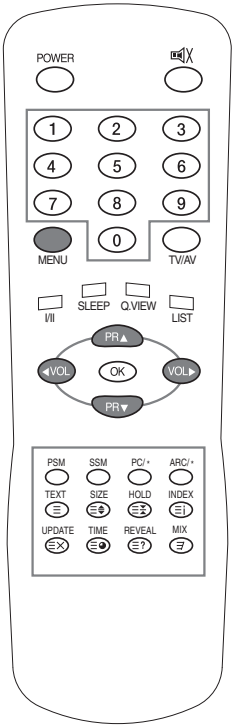
- **Dynamic** : Vivid Picture Appearance
- **Standard** : Standard Picture Appearance
- **Mild** : Softer Picture Appearance
- **Game** : External Video Game Picture Setup
- **User** : Manual Picture Setup

Sound Control

You can select your preferred sound setting; Flat, Music, Movie or Speech and you can also adjust the sound frequency of equalizer, balance.

1. Press the **MENU** button
2. Select the **Sound** menu.
3. Press the **CH▲▼** button to select the desired sound item; Equalizer, Balance, AVL , Surround or Sound Mode.
4. Press the **VOL◀▶** button to make desired adjustment.





5. Press the **CH▲▼** button to select your preferred setting; **Flat, Music, Movie, Speech** or **User**.
   To set the Equalizer User,
   a. Select User by pressing the **CH▲▼** button.
   b. Select a sound band by pressing the **VOL◀▶** button.
   c. Make appropriate sound level with the **CH▲▼** button.
   d. Press the **MENU** button to return to preceding Menu and the TV/AV button to return to normal TV viewing.
7. Select the Balance menu and adjust the balance of speakers.
8. Select the AVL(Automatic Volume Leveler) menu On or Off.
9. Select the Surround menu On or Off.
10. Select the **Sound Mode** menu. Mode is displayed one by one as shown below. (You can select it with ST/SAP button on the remote controller.)

MONO → STEREO → SAP

Auto Picture Control SSM (Sound Status Memory)

1. Press the **SSM** button.
2. Press the **SSM** button repeatedly to select.

Each press of the button changes the screen display as below.

Flat → Music → Movie → Speech → User

Parental Control

If used, this optional feature can “block” undesirable programming from appearing on the TV. Note: Parental Control is not available in PC Mode. To block Computer inputs, use the block AUX SOURCES option in the Parental Control menu in TV Mode; computer inputs will not be available.
Parental Control offers the user a wide variety of options and settings that restrict or “block” the programming that can appear on the TV. Parental control allows the user the capability of defining which program rating they consider accept-able, to the younger or more sensitive viewer. It can be preset and turned either on or off by the user who specifies the secret 4-number code, the password. The number of hours blocked are specified. General audience and children viewer blocks should both be programd into the TV’s memory. Viewer ratings are specified for both TV and the motion picture industry; both rating systems should be used, for complete coverage. The ratings are based on the ages of children.

Overview

To insure complete coverage for all TV programs, (movies and regular TV shows) choose a rating for MPAA, from the selections below. AND choose ratings from the TV Parental Guidelines Rating System on the next page, using the Age Block option for General Audiences, and for Children. In addition to those, you may wish to add additional restrictions from the Content Block menu. See the Parental Control menu, and submenus example on the next page.

Things to Consider before Setting Up Parental Control

Determine which rating you consider acceptable to the viewer. (For example, if you choose TV-PG, all more restrictive ratings will be automatically blocked; the viewer will not be able to see: TV-PG, TV-14, or TV-MA rated programming.)
Do you want to block the auxiliary video source entirely? (Blocks the signal sent by the equipment, such as a VCR, connected to the TV Audio/Video input jacks; in the Aux. Block option.) Or leave unblocked, then choose allowable ratings.
Block program “Content” based on individual parameters such as: Strong Dialog, Bad Language, Sex Scenes, Violence Scenes, or Fantasy Violence Scenes; in the Content Blk option.
How many hours do you want Parental Control to be active? You can set the Hours option for up to 99 hours.
If you want to set the hours option all the time, select the always.
Select a secret password; in the Set Password option. Use the number keys on the remote. Don’t forget the password, it is the only way you can access the Parental Control menu and change rating selections, or turn Parental Control off.
Do you want Parental Control to be active all the time? If not, you can turn it on or off with the Lock On/Off option.
* You can set different Parental Control viewing restrictions for general audiences and for children - - both can be active at the same time.
* Simply specifying one content block such as Sex Scenes, will not automatically block another content in the programs from appearing.
* Even if you choose to leave the Aux inputs unblocked, the ratings you specify will automatically restrict the programming that appears from the video sources.
* You cannot disable Parental Control by disconnecting the TV from power. Block hours will automatically reset to the original block time setting specified if power is disconnected.

Parental Control

1. Press the **MENU** button.
2. Select the **Special** menu.
3. Press the **CH▲▼** button to select the Parental Control, then press the **VOL◀▶** button.
4. The “Enter Password” screen will appear. Enter your 4-digit password.

Note : The default Input password for a new TV set is “0000”.

5. After entering a valid Enter password, the “Parental Control” screen will appear.

6. Use the **VOL◀▶** and **CH▲▼** button to select and adjust or set the rating for the TV or MPAA.
7. Press the **VOL◀▶** buttons to select the TV Rating. Then press the **CH▲▼**buttons to move to one of the six age-based categories in column and press the **VOL◀▶** buttons to move to one of the levels in each row.
8. At this point, one of the TV-Ratings is selected. Press the **CH▲▼**buttons:
   Depending on your existing setup, a letter ‘U’ or ‘B’ will be highlighted. (U=Unblocked, B=Blocked)
9. While the ‘U’ of ‘B’ is highlighted, press the **VOL◀▶** buttons to block or unblock the category.
   To select a different TV-Rating, press the **CH▲▼**buttons with cusor in the first column.
10. Press the **VOL◀▶** buttons to select the MPAA Rating. Then press the **CH▲▼** buttons to select particular MPAA Rating. While a particular category is selected, press the**VOL◀▶** buttons to active it. A highlighted letter (‘U’ or ‘B’) will be displayed. Press the **CH▲▼** buttons to change the ‘U’ or ‘B’.
11. If you want to change password, select the Change Password menu.
12. Then enter your new password.

Re-enter the same 4 digits. Press the OK button to memorize your new password.

INFORMATION

MOTION PICTURE ASSOCIATION OF USA (MPAA) RATING SYSTEM

Grade		Meaning
G	General Audiences	Content not offensive to most viewers
PG	Parental Guidance Suggested	Content is such that parents may not want their children to view the program.
PG-13	Parental Guidance Suggested	Program is inappropriate for preteens, with a greater degree of offensive material Suggested than a PG rated program
R	Restricted viewing	Not for children under age 17. Strong elements of sex and/or violence.
NC-17	Restricted Viewing	Not for children under age 17 under any circumstances. Strong sexual content.
X	Hard Core Films	Same as NC-17 rating.
No Rating	No Rating	MPAA Not Rated

TV PARENTAL GUIDELINE RATING SYSTEM

Grade		Meaning
TV-Y	General Audience	Considered suitable for all children under 7 years old.
TV-Y7	Children 7 and over	Considered suitable for children over 7, may contain Fantasy Violence Scenes.
TV-G	Parental Guidance	Considered suitable for all audiences; children may watch unattended.
TV-PG	Parents Strongly Cautioned	Suggested Unsuitable for younger children, may contain: Suggestive Dialog, Bad Language, Sex, and Violence Scenes
TV-14	Parents Strongly Cautioned	Unsuitable for children under 14, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.
TV-MA	Mature Audience Only	Adults only, may contain: Strong Dialog, Bad Language, Sex, and Violence Scenes.

Note : The V-Chip will automatically block certain categories that are ‘more restrictive’.
If you block TV-Y category, then TV-Y7 will be automatically blocked.
Similarly, if you block TV-G category, then all the categories in the ‘young adult’ will be blocked(TV-G, TV-PG, TV-14 and TV-MA).

INFORMATION

The sub-rating of TV rating

Grade	Meaning
FV	Fantasy Violence
V	Violence
S	Sexual Situation
L	Adult Language
D	Sexual Suggestive Dialog

Note ; The TV-Y7, TV-PG, TV-14 and TV-MA have additional options. See the next step to change.
To set the FV, D, L, S and V sub-ratings, first select one of these TV-Ratings: TV-Y7, TV-PG, TV-14 and TV-MA
Next, while the TV-Ratings is highlighted, repeatedly press the **VOL** ◀▶ buttons.
This will cycle through the available sub-ratings(FV, D, L, S or V).
A highlighted letter(‘U’ or ‘B’) will be displayed or each sub-ratings.
While the ‘U’ or ‘B’ is highlighted. Press the **CH** ▲▼ buttons to change the sub-ratings.

Captions

The captions is a process which converts the audio portion of a television program into written words which then appear on the television screen in a form similar to subtitles. Closed captions allow viewers to read the dialogue and narration of television programs.

Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. It's possible to caption a live program by using a process called real-time captioning, which creates captions instantly. Professional reporters using a machine shorthand system and computer for translation into English normally do real-time captioning.
Captioning is an effective system for the hearing-impaired, and it can also aid in teaching language skills.
The picture at left shows a typical caption.

Poor reception conditions are encountered:

• IGNITION:

Picture may flutter, drift, suffer from black spots or horizontal streaking. Usually caused by interference from automobile ignition systems, neon lamps, electrical drills, and other electrical appliances.

• GHOSTS:

Ghosts are caused when the TV signal splits and follows two paths. One is the direct path and the other is reflected off tall buildings, hills or other objects. Changing the direction or position of the antenna may improve reception.

• SNOW:

If your receiver is located at the weak, fringe area of a TV signal, your picture may be marred by small dots. It may be necessary to install a special antenna to improve the picture.

An old, bad, or illegally recorded tape is played.
Strong, random signals from a car or airplane interference with the TV signal.
The signal from the antenna is weak.
The program wasn't captioned when it was produced, transmitted or taped.

1. Press the **MENU** button.
2. Select the the **Special** menu
3. Press the **CH ▲▼** buttons to select Caption menu.
4. Press the **VOL ◀▶** button, select the Caption mode.
5. Each time you press the **VOL◀▶** buttons, the caption mode is displayed one by one as shown below.

→ OFF ↔ CC1 ↔ CC2 ↔ CC3 ↔ CC4 →
↑ ↓
← TEXT4 ↔ TEXT3 ↔ TEXT2 ↔ TEXT1 ←

6. Press the **TV/AV** button

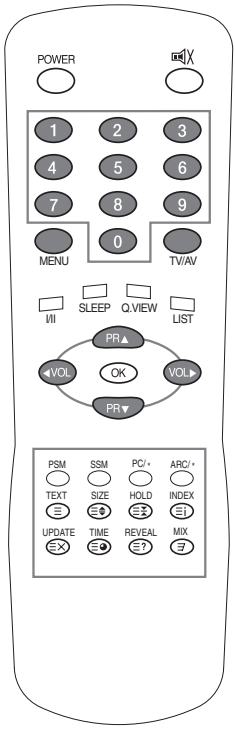
* This TV is programd to remember which mode it was last set to, even if you switch the POWER off.

Other functions

Clock

Setting the clock is necessary in order to use the various timer features of the TV.
You can set automatic TV On or Off time.

1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the Special menu. Then press the **VOL◀▶** button.
3. Press the **VOL◀▶** button to select Clock menu.



4. Set the present time with the numeric buttons and the **CH▲▼** button on remote controller. Store a time value between 00:00 … 23:59(hours:minutes)
5. Press the **CH▲▼** button to select Off Time.
6. Set the TV off time with the numeric buttons and the **CH▲▼** button. Then press the **VOL◀▶** button. Select On or Off with **CH▲▼** button.(When the setting is off, the TV set will be switched off to stand by mode.)
7. Press the **CH▲▼** button to select On Time.
8. Set the TV on time with the numeric buttons and the **CH▲▼** button. Then press the **VOL◀▶** button. Select On or Off with **CH▲▼** button. When the setting is On, the set will be switched On automatically to the last selected program.
9. Press the **CH▲▼** button to select On Program. You can select the first displayed program with the **VOL◀▶** button when the set is switched on automatically.
10. Press the TV/AV button to return to normal TV viewing.

Note : The present time must be set for using the Clock function.

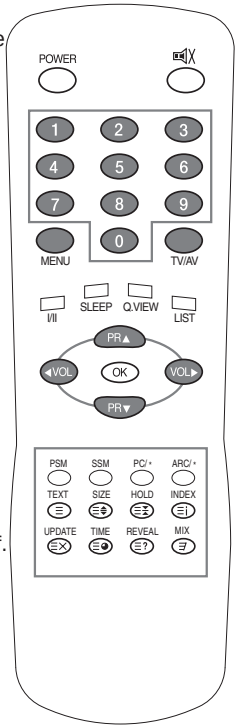
Auto wide (Aspect Ratio Control)

Press the ARC button to select a desired picture format.
Each press of the ARC button, selects Auto Wide, 16:9, 14:9, ZOOM, 1:1 and Auto wide mode.

Other functions

Blue Back

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must select the Blue Back On.(Pressing the VOL◀▶ button will alternate between “On” and “Off”.)



Auto sleep

If you select Auto sleep On the set will automatically switch itself to standby mode approximately ten minutes after a TV Channel stops broadcasting.

1. Press the MENU button.
2. Select the Special menu.
3. Press the **CH▲▼** button to select Auto sleep.
4. Press the **VOL◀▶** button to select On.
5. Press the **TV/AV** button to return to normal TV viewing.

Childlock

Childlock menu is necessary in order to disable the buttons on the side panel of the set. Especially it is useful to prevent unauthorized viewing.

1. Press the **CH▲▼** button to select Childlock.
2. Press the **VOL◀▶** button repeatedly to select On or Off.

* When the setting is Childlock On, the buttons on the side panel of the set is disabled.
* When the setting is Childlock Off, the buttons on the side panel of the set is enabled.

Radio

You can listen to radio with the set.

1. Press the **MENU** button.
2. Press the **CH▲▼** button to select the Special menu. Then press the **VOL◀▶** button.
3. Press the **CH▲▼** button to select Radio.
4. Press the **VOL◀▶** button to select Radio On or Off.

Sleep timer

You don’t have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.
Press the SLEEP button to select the number of minutes.
The timer begins to count down from the number of minutes selected.

Note :

a. To view the remaining sleep time, press the SLEEP button once.
b. To cancel the sleep time, repeatedly press the SLEEP button until the display appears.

ST/SAP

Press the ST/SAP button. You can select the Sound output system-Stereo, Mono and SAP and the language during dual language broadcast.

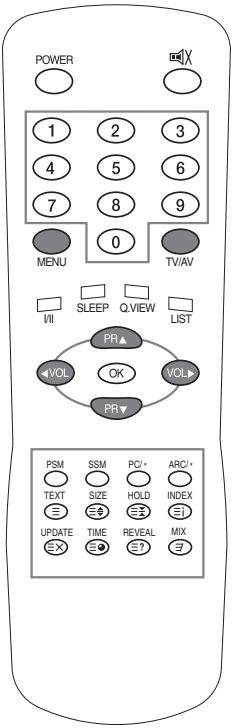
Radio Control

This function is possible only when the set is in Radio mode.
(Radio mode is displayed
when the Setting for special menu is radio On.)

1. Use **TV/AV** button on remote controller to select Radio mode.
2. Press the **MENU** button to set Radio Setup menu.
3. Press the **VOL◀▶** button repeatedly to select Mode Auto or Manual.
   * When the Radio Setup Mode is Auto, only the programs stored in memory are selected.
   * When the Radio Setup Mode is Manual, all frequencies are selected.
   Press the **CH▲▼** button to select program
4. Press the **CH▲▼**button select Frequency.
   Then press the **VOL◀▶** button repeatedly to tune in the desired station manually. If you press the **VOL◀▶** button continually above 2 seconds, It automatically changes present frequency into next frequency.
5. Press the **CH▲▼**button to select Program.
   Then press the **VOL◀▶** button repeatedly to select program.

6. Press the **CH▲▼** button to select memorize. If you want to memorize this radio setup, press the **VOL◀▶** button.
7. Press the **CH▲▼** button to select Delete. With the **VOL◀▶** button to delete the station.
8. Press the **CH▲▼** button to select Auto Program.
9. Press the **VOL◀▶** button repeatedly to automatically scans and tunes to the next available station.

10. Press the **CH▲▼**button to select Off Time.
Then press the **VOL◀▶** button repeatedly to select Off, 5, 10, 30(minutes).
11. Press the **CH▲▼** button to select Edit Name.
    Then press the **VOL◀▶** button to edit radio name.
12. You can assign a radio name with 8 characters.
    Press the **CH▲▼**button repeatedly. You can use the numeric 0 to 9, the alphabet A to z(capital and small letters.) and a blank.
    With the **VOL◀▶** button, you can select in the opposite direction.
13. Press the **MENU** button to return to prior menu.
14. Press the **TV/AV** button to exit. Then the radio setting condition is displayed.



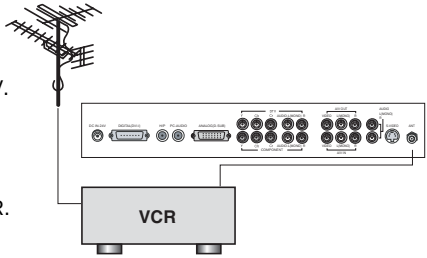
Note.
If you want to listen to the radio in the PC mode, the ANT. Jack must be connected to the antenna input of the set.

Connecting external equipment

You can connect additional equipment, such as VCRs, camcorders etc. to your set. Examples are shown below.

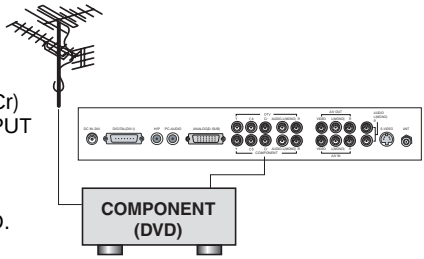
Antenna connection

1. Connect RF out on the VCR to the Antenna input on the rear of the TV.
2. Connect the antenna cable to the antenna in jack on the VCR.
3. Press the **TV/AV** button to select Antenna input source.
4. Press the **PLAY** button on the VCR.



COMPONENT INPUT

1. Connect the Video outputs (Y Cb Cr) on a DVD to the COMPONENT INPUT on the TV.
2. Press the **TV/AV** button to select COMPONENT mode.
3. Press the **PLAY** button on the DVD.

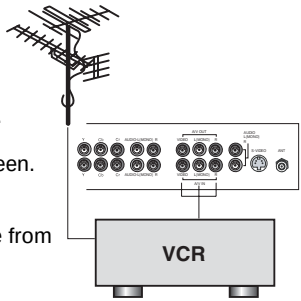


A/V INPUT

1. Connect the **A/V** out jacks on a VCR to **A/V-IN** jacks on the TV.
2. Press the **TV/AV** button to select VIDEO mode.
3. Press the **PLAY** button on the VCR.

The VCR playback picture appears on the TV screen.

Note :
If you have a mono VCR, connect the audio cable from the VCR to the A/V-IN socket of the set.

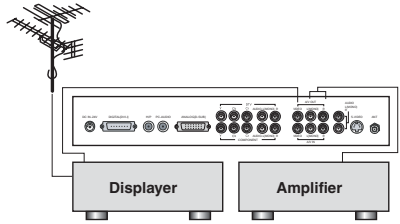


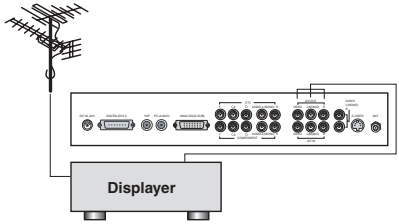
Connecting external equipment

A/V OUT

1. Connect the Audio outputs(L, R) of the TV to Audio-IN(L, R) of another displayer or the amplifier system
   - If you connect the amplifier system, you can also play the TV sound through the stereo amplifier system.
2. Connect the Video output of the TV to Video IN of another displlayer.

Note : If you press the mute button, only the sound of the TV's speaker's are switched off.



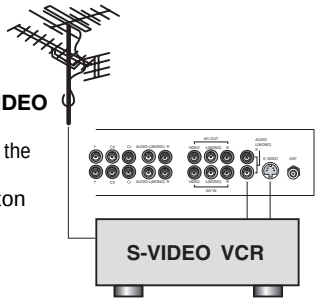


S-VIDEO INPUT

If using an **S-VIDEO** source, the picture quality will be improved over a video source.

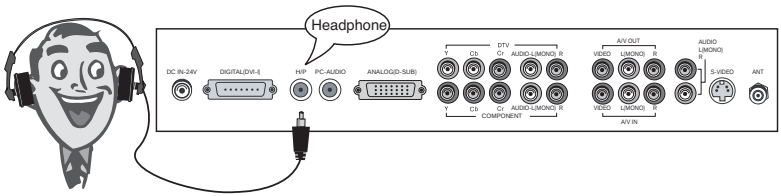
1. Connect the **S-VIDEO** output of a VCR to the **S-VIDEO** input on the TV.
2. Connect the audio cables from the **S-VIDEO** VCR to the L (MONO) R inputs on the TV.
3. Select **S-VIDEO** mode by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.

The VCR playback picture appears on the screen.



Headphone jack

Insert the headphone plug to the headphone jack on the TV. You can listen to the sound through the headphone; no sound form the speaker on the TV. To adjust the headphone volume, press the **VOL◀▶** button. If you press the **MUTE** button, the sound from the headphone is turned off.



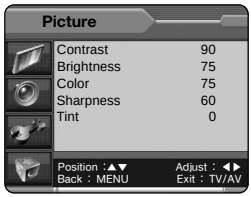
Connecting the PC as a monitor

This function is possible only when the set is in PC mode.
Use the TV/AV button on remote controller.

Picture adjustment

You can adjust picture Contrast, Brightness, Temperature, Clock and Phase as you prefer.

1. Press the **TV/AV** button to select the PC mode.
2. Press the **MENU** button.
3. Select the Picture.
4. Press the **CH▲▼** button to select the desired picture item.
5. Press the **VOL◀▶** button to make appropriate adjustments.
6. Press the **TV/AV** button to exit menu.



Contrast

This function is to adjust picture to light/dark.

Brightness

This function is to adjust brightness of picture.

Temperature

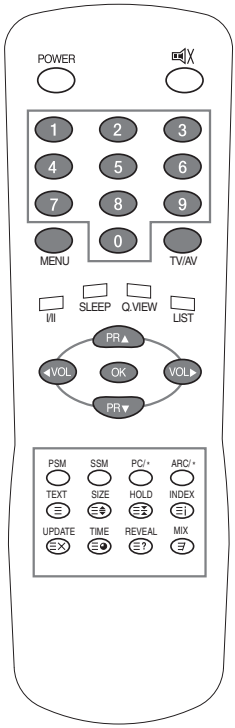
Temperature is a measure of the warmth of the image color.

Clock

This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.

Note :

This mediation range is different according to the supported resolution.



Phase

This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

ARC (Aspect Ratio Control)

Selects a screen mode.-4:3 or 16:9

* 4:3 mode : Sets the picture to 4:3 normal mode.
* 16:9 mode : Sets the picture to 16:9 wide mode.

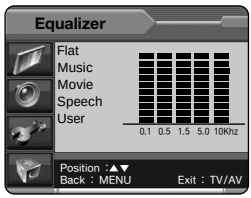
4 : 3

16 : 9

Connecting the PC as a monitor

Sound adjustment

1. Press the **MENU** button.
2. Select the **Sound** menu.
3. Press the **CH**▲▼button to select the desired sound item; Equalizer, Balance, AVL, Surround Sound Mode or Input.
4. Press the **VOL**◀▶ button to make desired adjustment.
5. Press the **VOL**◀▶ button in Equalizer to set the Equalizer.



6. Press the **CH**▲▼ button to select your preferred setting ; Flat, Music, Movie, Speech or User.
   To set the Equalizer User.
   a. Select User by pressing the **CH**▲▼ button.
   b. Select a sound band by pressing the **VOL**◀▶ button.
   c. Make appropriate sound level with the **CH**▲▼ button.
   d. Press the **MENU** button to return to preceding menu.
7. Press the **CH**▲▼ button to the Balance menu.
8. Select the Balance menu with the **VOL**◀▶ button and adjust the balance of speaker.
9. Select the AVL(Automatic Volume Leveler) menu ON or OFF.
10. Select the Surround menu ON or OFF.
11. Select the Sound Mode with **CH**▲▼ button.
12. Press the **VOL**◀▶ button to select sound mode – **L+R, L+L, R+R**.
    L+R : Audio signal from audio L input is sent to left loudspeaker and audio signal from audio R input is sent to right loudspeaker.
    L+L : Audio signal from audio L input is sent to left and right loudspeakers.
    R+R : Audio signal from audio R input is sent to left and right loudspeakers.
13. Select the Input with **CH**▲▼ button.
14. Press the **VOL**◀▶ button to select Input – PC, Radio.

Note :

a. When selecting radio mode, sound mode alternates between MONO and STEREO according to the received signal.

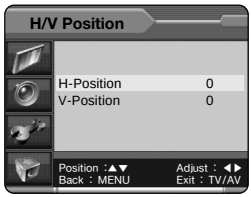
b. In PC mode, radio mode supports only Auto.

c. In PC mode, radio control function is on an equality with Radio function in the front.

Connecting the PC as a monitor

Position Adjustment

This function is to adjust picture to left/right and up/down as you prefer.



1. Press the **MENU** button.
2. Select the **H/V** Position menu.
3. Press the **CH▲▼** button to select the desired position item.
4. Press the **VOL◀▶** button to adjust horizontal position and vertical position.
5. Press the TV/AV button to exit menu

Auto

This function is for the automatic adjustment of the screen position, clock and clock phase. The displayed image will disappear for a few seconds while the Auto-configuration is in process.

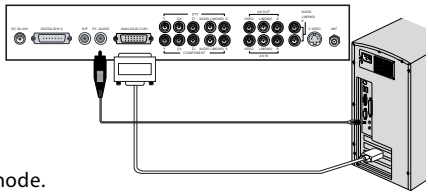
Note: Some signal from some graphics boards may not function properly.
If the results are unsatisfactory, adjust your monitor's position, clock and clock phase manually.

Reset

This function allows you to return to the good picture reproduction programd at the factory and cannot be changed.

Connecting the PC as a monitor

PC/DTV INPUT



1. Connect the PC IN cable (D sub jack) from the monitor output socket of the PC to the PC/DTV input socket of the set.
2. Connect the PC Audio IN cable from the PC to the PC Audio IN of the set.
3. Press the TV/AV button to select PC mode.
4. Switch on the PC, and the PC screen appears on the set.

The set can be operated as the PC monitor.

Resolution

Mode	Resolution	Horizontal frequency(KHz)	Vertical frequency(Hz)
VGA	640 x 480	37.9 KHz	72 Hz
	640 x 480	37.5 KHz	75 Hz
	720 x 400	31.4 KHz	70 Hz
SVGA	800 x 600	35.1 KHz	56 Hz
	800 x 600	37.9 KHz	60 Hz
	800 x 600	48.1 KHz	72 Hz
	800 x 600	46.9 KHz	75 Hz
XGA	1024 x 768	48.4 KHz	60 Hz
	1024 x 768	56.5 KHz	70 Hz
	1024 x 768	60.0 KHz	75 Hz
WXGA	1280 x 768	60.03KHz	75Hz
DTV	720 x 480p	31.5 KHz	60 Hz
	720 x 576p	31.2 KHz	50 Hz
	1280 x 720p	45.0 KHz	60 Hz
	1280 x 720p	37.5 KHz	50 Hz
	1920 x 1080i	33.7 KHz	60 Hz
	1920 x 1080i	28.1 KHz	50 Hz

Note:

a. If the set is cold, there may be a small flicker"when the set is switched on. This is normal, there is nothing wrong with the set.

b. Some dot defects may appear on the screen, like Red, Green or Blue spots. However, this will have no impact or effect on the monitor performance.

Product Spec.

Model	LT-27KMF	
Main body (With stand)	Horizontal size 796(796) mm	Thickness 94(184)mm
	Height 433(493) mm	Weight 9.58(11.6)kg
Power requirements	DC 24V / 6.0A	
Television system	NTSC	
Television program	VHF: 2~12 UHF :21~69 Cable : S1~S41	
LCD Panel	27" WIDE TFT LCD panel	
Resolustion	WXGA(1280 X 768)	
Power consumption	140W	
External antenna impedance	75Ω	
Audio output	10W + 10W	
External input ports	• ANTENNA IN • PC/DTV IN • HEADPHONE JACK • AV IN • AV OUT	• DC 24V IN • COMPONENT • S-VIDEO IN • PC AUDIO IN
AC/DC Power Adaptor	AC 100~240, 50/60Hz output : 24vd.c.,6.0A	

Troubleshooting

Problem	Check item
No picture on screen and no sound from speakers	• Insert the AC power cord plug securely in AC power outlet. • Make sure the remote control is not in the standby mode (The POWER/Standby indicator is red.)
No picture/No picture from AV terminal	• Check the brightness setting of the display. • Lamp may have malfunction. • Make sure a cable with no VIDEO input signal is connected to the S-VIDEO INPUT terminal.
Picture is displayed, but no sound from the speakers.	• Check the sound setting. • Make sure the sound is not muted. • Make sure a pair of headphones is not connected. • Make sure the connectors of the optional speaker system are securely inserted.
Picture is too light	• Make sure COLOR and CONTRAST settings.
Picture is too dark.	• Make sure BRIGHTNESS setting is not set too low. • Lamp may have malfunction.
Remote control does not work.	• Change the batteries. • Make sure the infrared transmitter window is not receiving strong light such as light from fluorescent lamps.
The picture is not sharp. The picture moves.	•The reception may be weak. • The state of the broadcast may also be bad. • Make sure the antenna is facing the right direction. • Make sure the outside antenna is not disconnected.
The picture is doubled or tripled.	• Make sure the antenna is facing the right direction. • There may be reflected electric waves from mountains or buildings.
The picture is spotted.	• There may be interference from automobiles, trains, high voltage lines, neon lights, etc. • There may be interference between the antenna cable and power cable. Try positioning them further apart.
There are stripes on the screen or colors fade.	• Is the unit receiving interference from other devices? Transmission antennas of radio broadcasting stations and transmission antennas of amateur radios and cellular phones may also cause interference. • Use the unit as far apart as possible from devices that may cause possible interference.

Memo