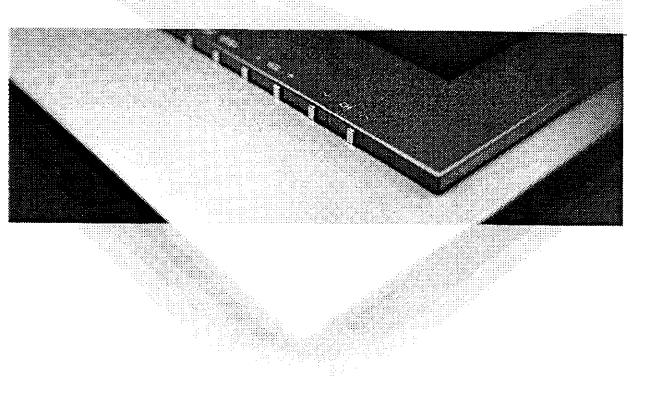


Owner's Instructions

LCD TV with Life-Like Picture & Sleek Design LTN325W I LTN406W

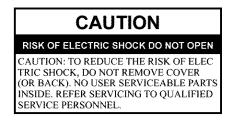


Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an elec trician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particu larly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a used, cau tion 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.



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.

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I), that 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 cable entry as practical.

Caution: FCC/CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.

Attention: pour eviter les chocs electriques, introduire la lame le plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

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.

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

As an ENERGY STAR Partner.

Samsung Electronics America, Inc. has determined that this product or product model meets the ENERGY STAR guidelines for energy efficiency.

FCC Information

User Instructions

The Federal Communications Commission Radio Frequency Interference Statement includes the following warning:

NOTE: 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 in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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 receptions, 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
- circuit different from that to which the receiver is connected.
 Consult the dealer or an experienced
- radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance: SAMSUNG ELECTRONICS CO., LTD America QA Lab of Samsung 3351 Michelson Drive, Suite #290, Irvine, CA92612 USA

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product. Provided with this monitor is a detachable power supply cord with IEC320 style terminations. It may be suitable for connection to any UL Listed personal computer with similar configuration. Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal to or exceeds the monitor voltage rating. For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 240 Volt applications use only UL Listed Detachable power supply cord with NEMA configuration 6015P type (tandem blades) plug cap.

IC Compliance Notice

This Class B digital apparatus meets all requirements of the Canadian nterference-Causing Equipment Regulations of ICES-003. Cet appareil Numérique de classe B respecte toutes les exigences du Règlemont NMB-03 sur les équipements produisant des interférences au Canada.

Notice de Conformité IC

Cet appareil numérique de classe B respecte toutes les exigences du Règlement ICES-003 sur les équipements produisant des interférences au Canada.

VCCI

This is a Class B product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numéique de la classe B estconforme à la norme NMB-003 du Canada.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause unesired operation. This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

Important Warranty Information Regarding Television Format Viewing

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving.

Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of picture tubes (LCDs) that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven LCD aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.

[Note]

If a still image is displayed for an extended period of time, residual images or blurring may appear. When you need to leave the monitor unused for an extended period of time, adjust the settings so that the monitor automatically goes into energy saving mode or activates the screen saver to display moving images.

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Chapter One

YOUR NEW TV

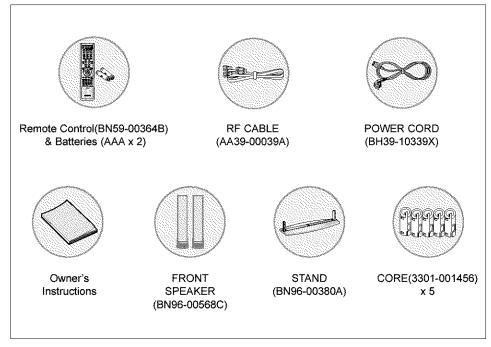
List of Features

Your TV was designed with the latest technology. This TV is a high-performance unit that includes the following special features:

- · Easy-to-use remote control
- · Easy-to-use on-screen menu system
- · Automatic timer to turn the TV on and off
- · Adjustable picture and sound settings that can be stored in the TV's memory
- · Automatic channel tuning for up to 181 channels
- · A special filter to reduce or eliminate reception problems
- Fine tuning control for the sharpest picture possible
- A built-in multi-channel sound decoder for stereo and bilingual listening
- · Equiped, dual channel speakers
- · Headphone jack for private listening
- 16:9 letter box format available depending upon source

List of Parts

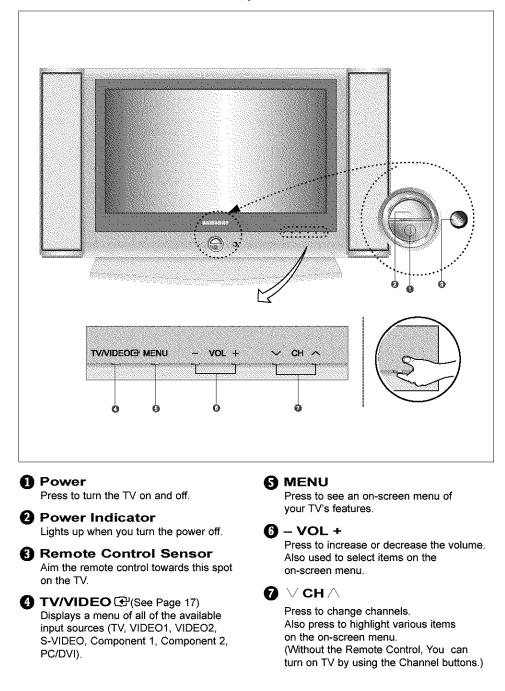
Please make sure the following items are included with your LCD TV. If any items are missing, contact your dealer.



Familiarizing Yourself with The TV

Front Panel Buttons

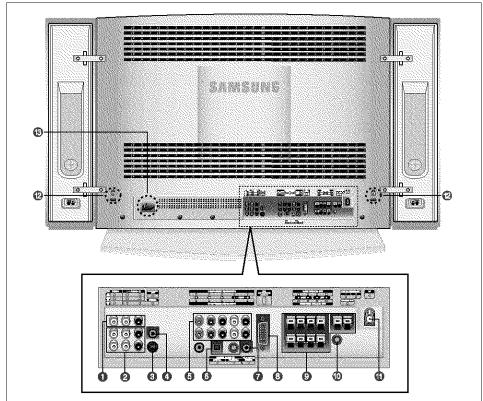
The buttons on the front panel control your TV's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.



Rear Panel Jacks

Use the rear panel jacks to connect an A/V component that will be connected continuously, such as a VCR or a DVD player.

For more information on connecting equipment, see pages 7-15.



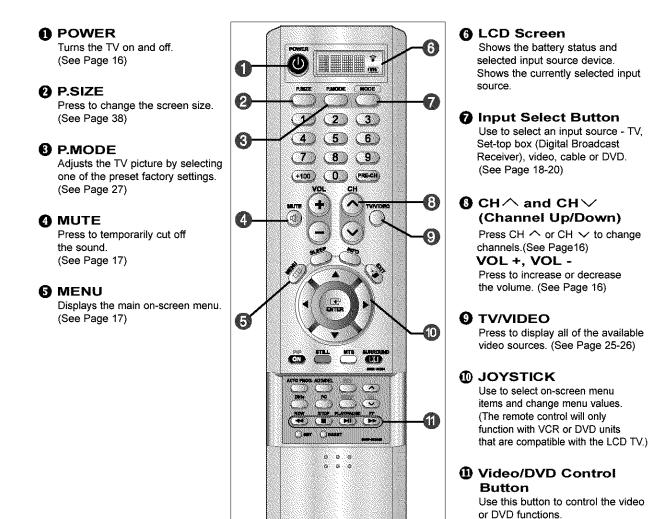
- **1** VIDEO/AUDIO OUTPUT
- **2** VIDEO/AUDIO INPUT
- **SUPER VIDEO INPUT**
- **HEADPHONE** jack
- **G** COMPONENT
- **O** DIGITAL AUDIO IN jack
- **Ø** PC AUDIO INPUT

- B PC VIDEO(DVI-D) INPUT
- **③** SPEAKER OUT jack
- **(**) WOOFER OUTPUT
- RF INPUT
- Kensington Lock
- B POWER INPUT

Remote Control

Frequently Used Buttons

You can use the remote control up to a distance of about 23 feet from the TV. When using the remote, always point it directly at the TV.



English-**4**

SAMSUNG

· Works only with compatible VCR

or DVD players.

YOUR NEW TV

Convenient Buttons

1+100

Press to select channels over 100. For example, to select channel 121, press "+100", then press "2" and "1". (See Page 24)

2 Sleep Timer

Press to select a time for the TV to turn off automatically. (See Page 54)

Automatic Channel Button Press to automatically store

selected TV/cable channels. (See Page 24)

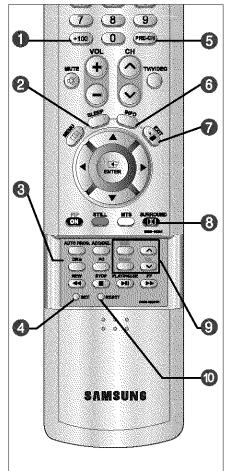
ADD/ERASE Press to add or erase channels

in the TV's memory. (See Page 25) DNIe Button

Press to improve the digital video

quality. (See Page 40) PC Press to switch to the PC mode.

SET button



9 PRE-CH

Tunes to the previous channel. (See Page 16)

6 Display Button

Press to display the current channel and audio/video settings. (See Page 17)

6 EXIT

Press the menu to exit.

O PIP

See the PIP screen section of this manual. (See Page 36)

STILL

Press to stop the action during a particular scene. Press again to resume normal video. (See Page 38)

MTS Button

Press to select MONO or STEREO mode. (See Page 47)

Dolby Digital Button Press to enjoy theater-quality 3-D sound. (See Page 41-45)

9 PIP controls

(See Page 37)

<u>CH</u>

Displays the available channels in sequence.

(These buttons change channels in the PIP window only.)

SIZE

Press to make the PIP window double, large or small.

<u>SWAP</u>

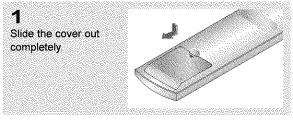
Exchanges the video signal that is currently displayed on the main screen with the signal in the PIP window.

(While the main screen is in PC mode, it does not work.)

RESET

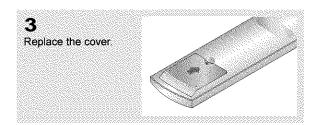
When your remote does not work, change the batteries and press the "Initialize" button for 2-3 seconds before use.

Installing Batteries in the Remote Control





Make sure to match the "+" and "-" ends of the batteries with the diagram inside the compartment.



Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time.

The remote control can be used up to about 23 feet from the TV.

(Assuming typical TV usage, the batteries last for about one year.)

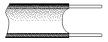
The remote control doesn't work!

Check the following:

- 1. Is the TV power switch on?
- 2. Is the selected source TV and not video, cable or DVD?
- 3. Are the plus end and the minus end of the battery reversed?
- 4. Did the battery run out?
- 5. Is there a power outage?
- 6. Is the power cord unplugged?
- 7. Is there a special fluorescent light or a neon sign nearby?

Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like this, see "Antennas with 300-ohm Flat Twin Leads", below.



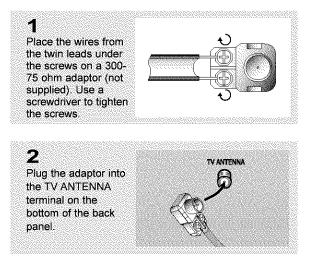
If your antenna has one lead that looks like this, see "Antennas with 75-ohm Round Leads", on page 8.



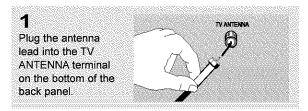
If you have two antennas, see "Separate VHF and UHF Antennas", on page 8.

Antennas with 300-ohm Flat Twin Leads

If you are using an off-air antenna (such as a roof antenna or "rabbit ears") that has 300-ohm twin flat leads, follow the directions below.

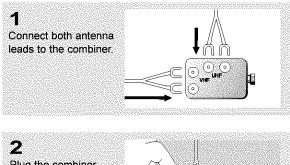


Antennas with 75-ohm Round Leads

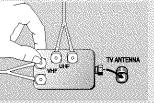


Separate VHF and UHF Antennas

If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires a an optional combiner-adaptor (available at most electronics shops).



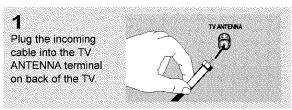
Plug the combiner into the TV ANTENNA terminal on the bottom of the rear panel.



Connecting Cable TV

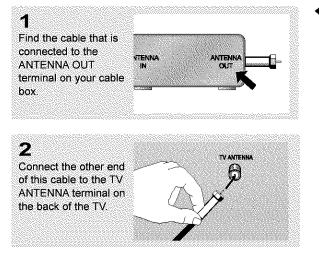
To connect to a cable TV system, follow the instructions below.

Cable without a Cable Box



Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.

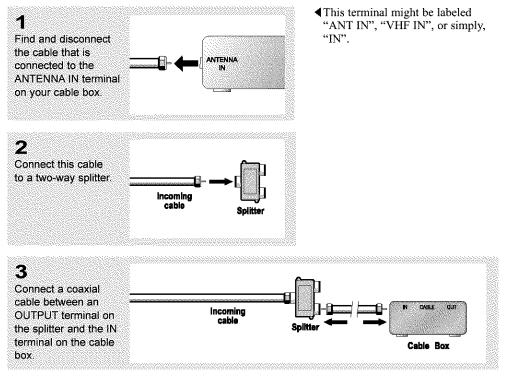
Connecting to a Cable Box that Descrambles All Channels

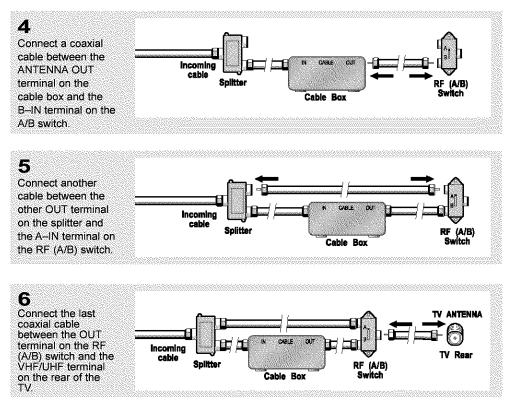


This terminal might be labeled "ANT OUT", "VHF OUT", or simply, "OUT".

Connecting to a Cable Box that Descrambles Some Channels

If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch, and four lengths of coaxial cable. (These items are available at most electronics stores.)

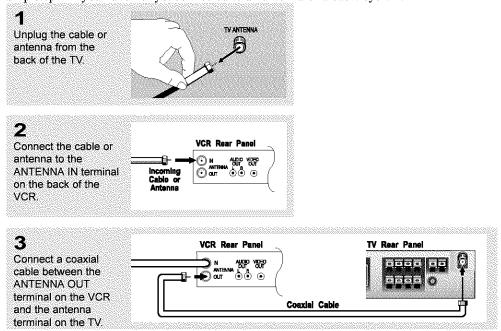




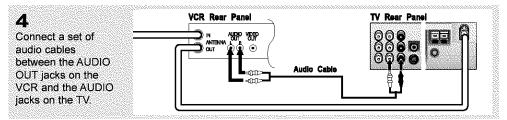
After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B," you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

Connecting a VCR

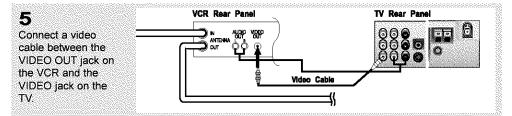
These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 7-10). Skip step 1 if you have not yet connected to an antenna or a cable system.



A coaxial cable is usually included with a VCR. (If not, check your local electronics store).



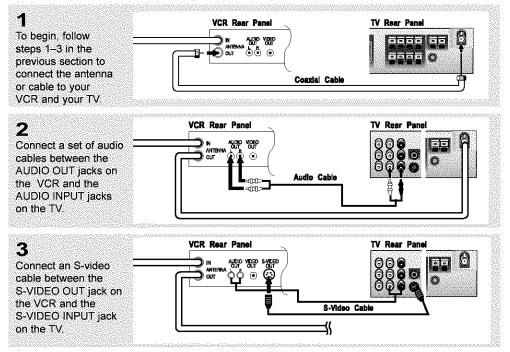
If you have a "mono" (non-stereo) VCR, use the Y-connector (not supplied) to hook up to the left and right audio input jacks of the TV. If your VCR is stereo, you must connect two cables.



Follow the instructions in "Viewing a VCR or Camcorder Tape" to view your VCR tape. # Each external input source device has a different back panel configuration.

Connecting an S-VHS VCR

Your Samsung TV can be connected to an S-Video signal from an S-VHS VCR. (This connection delivers a better picture as compared to a standard VHS VCR.)



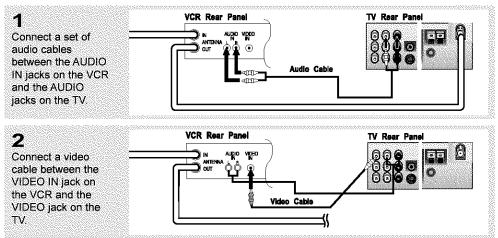
An S-video cable is usually included with an S-VHS VCR.

(If not, check your local electronics store.)

Each external input source device has a different back panel configuration.

Connecting an External Input Source

Connect the Input/AUDIO cables to the Input/AUDIO OUT jacks on the TV and the Input/AUDIO IN jacks on the VCR (Connect the cables to the jacks of the same color.)

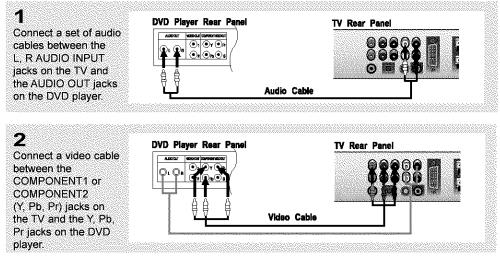


Make sure that the output is set to TV. (See Page 33)

Each external input source device has a different back panel configuration.

Connecting a DVD Player

The rear panel jacks on your TV make it easy to connect a DVD player to your TV.

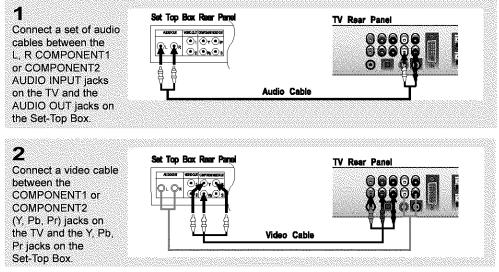


Note: For an explanation of Component video, see your DVD player owner's manual.

Each external input source device has a different back panel configuration.

Connecting a Digital TV Set-Top Box

The connections for a typical set-top box are shown below.

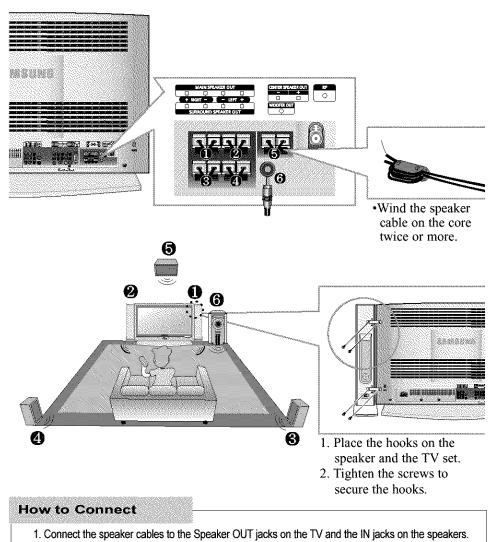


Note: For an explanation of Component video, see your Set-Top Box owner's manual.

Each external input source device has a different back panel configuration.

Connecting the Speakers

5.1. Channel system: 5 channels – 2 channels for the front (left and right);
 1 channel for the center; and 2 for the rear (left and right)
 0.1 Channel – Subwoofer Channel



2. Connect the Subwoofer OUT jack on the TV to the subwoofer.

How to Turn the Sound On

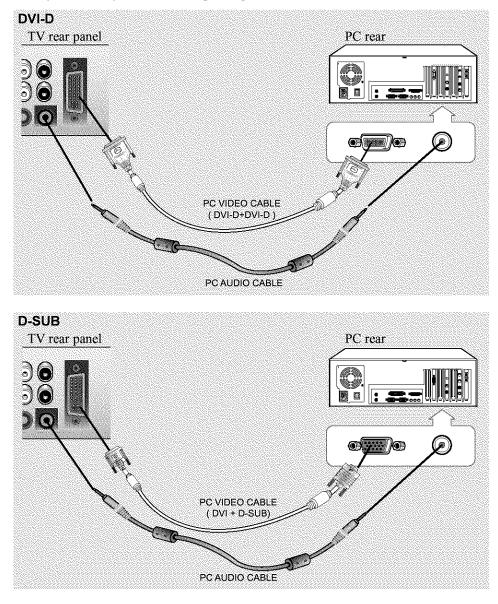
- 1. Turn the TV on and press the TV/Input button to select TV.
- 2. Press the Volume button to adjust the volume level.

• The center, rear (left and right) and the subwoofer speakers are sold separately.

· Contact the nearest electronics store to purchase them.

Connecting a PC

Note: This figure shows the Standard Connector-jack panel. The actual configuration on your TV may be different, depending on the model.



• PC AUDIO INPUT Connect these to the audio-output jacks on your PC.

PC VIDEO INPUT

Connect to the video output port on your PC.

Each external input source device has a different back panel configuration.

Chapter Three

SPECIAL FEATURES

Turning the TV On and Off

Press the POWER button.

You can also use the Power button on the front panel.

[Note]

1. Use of the 'Power' button on the remote is possible only when the TV is

in 'Power Saving' (stand-by) mode. If the TV is powered off,

the remote cannot be used to turn the TV on.

2. To retain the time and or automatic alarm settings, always put the TV

in stand-by mode with the remote control.

Use of the the power switch on the TV will clear all time related settings.

[Benefit] This full 'power off function is as effective as unplugging the power cable.

TV switches to stand-by mode when powered off by the remote control.

To return power (0) to the screen, press the remote control 'ON' or channel button

 $(\frac{3}{6})$. Pressing the power button on the TV does not return power to the screen because in this case, the TV restores the last mode, which was 'Power Saving'.

Changing Channels

Using the Channel Buttons

1 Press the CH ∨ / ∧ buttons to change channels.

When you press the $CH \checkmark / \land$ buttons, the TV changes channels in sequence. You will see all the channels that the TV has memorized. (The TV must have memorized at least three channels.) You will not see channels that were either erased or not memorized.

Using the Pre-CH Button to select the Previous Channel

1 Press the **PRE-CH** button. The TV will switch to the last channel viewed.

To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select the second channel. Then, use the PRE-CH button to quickly alternate between them.

Adjusting the Volume

1 Press the VOL +/- buttons to increase or decrease the volume.

Using Mute

1

At any time, you can temporarily cut off the sound using the Mute button.

Press MUTE and the sound cuts off.

The word " @ " will appear in the lower-left corner of the screen.

2 To turn mute off, press the MUTE button again, or simply press either the VOL +/- button.

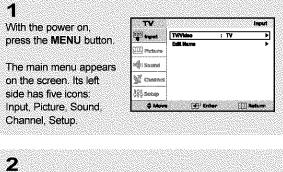
Viewing the Display

The display identifies the current channel and the status of certain audio-video settings.

í Press the Display STD 104 button on the remote control. The TV will display the channel, the type of sound, and the status of certain picture and sound settings.

- The on-screen displays
- disappear after about ten seconds. Press the button once more or wait
- approximately 10 seconds and it disappears automatically.
- Allows the user to adjust the settings according to his/her prefer ence and shows the current settings.

Viewing the Menus



Use the UP/DOWN▲▼ buttons to select one of the 5 icons Then press ENTER 3 or RIGHT > to access the icon's sub-menu.

3 Press the MENU button to exit.

- ▲The on-screen menus disappear from the screen after about thirty seconds.
- CHANNEL, VOLUME and TV/Video buttons on the control panel of the TV to make selections.



SPECIAL FEATURES

Setting Up Your Remote Control

After it has been set up properly, your remote control can operate in four different modes: TV, VCR, Cable, or DVD. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you hoose.

Note

The remote control might not be compatible with all DVD Players, VCRs and Cable boxes.



Setting Up the Remote to Operate Your VCR 1 Turn off your VCR. 2 Press the MODE button and make sure that the VCR LED is illuminated. 3 Press the Set button on your TV's remote control. 4 Using the number buttons on your remote control, enter three digits of the VCR code listed on page 21 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.) 5 Press the Power button on the remote control. Your VCR should turn on if your remote is set up correctly. If your VCR does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR. If no other codes are listed, try each VCR code, 000 through 089.

Note on Using Remote Control Modes: VCR When your remote control is in "VCR" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your Cable Box



1 Turn off your cable box.

- 2 Press the MODE button and make sure that the Cable LED is illuminated.
- 3 Press the SET button on your TV's remote control.
- 4 Using the number buttons on your remote control, enter three digits of the cable box code listed on page 21 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a "0." If there is more than one code listed, try the first one.
- 5 Press the Power button on the remote control. Your cable box should turn on if your remote is set up correctly.

If your cable box does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of cable box. If no other codes are listed, try each code, 000 through 077.

Note on Using Remote Control Modes: Cable Box When your remote control is in "Cable Box" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your DVD



1 Turn off your DVD.

- 2 Press the MODE button and make sure that the DVD LED is illuminated.
- 3 Press the SET button on your TV's remote control.

4Using the number buttons on your remote control, enter three digits of the DVD code listed on page 21 of this manual for your brand of DVD. Make sure you enter three digits of the code, even if the first digit is a "0." If there is more than one code listed, try the first one.

5 Press the Power button on the remote control. Your DVD should turn on if your remote is set up correctly.

If your DVD does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of DVD. If no other codes are list-ed, try each code, 000 through 008.

Note on Using Remote Control Modes: DVD When your remote control is in "DVD" mode, the volume buttons still control your TV's volume.

Remote Control Codes

VCR Codes

Admiral	015,088	KLH	082	RCA	009,014,016,017,037,044,046,063,078
Aiwa	024	LG	001,002,007	Samsung	000,016,022,031,041,051
Audio Dynamic	s 022,025	Lloyd	024	Sansui	025
Bell&Howell	011	Logik	040	Sanyo	011,021
Broksonic	019	LXI	024	Scott	022,050,058,077
Candle	016,018,022,054,055,061	Magnavox	017,038,062,065	Sears	011,014,018,021,027,028,044,052,057
Canon	017,062	Marantz	011,017,023,025,038,039,055,070	Sharp	015,036,048,054
Citizen	016,018,022,054,055,061	Marta		Shintom	026,035,040,064
Colortyme	023	MEI		Signature	024
Craig	016,021	Memorex		Sony	026,035,047
Curtis-Mathes	009,016,017,023,024,055,062,073,076	MGA		Sylvanía	017,024,038,062,065
Daewoo	003,004,005,006,007,008,022,054,085	Midland		Symphonic	024
DBX		Minota		Tandy	011,024
Dimensia	009	Mitsubishi		Tashiko	
Dynatech	024	Montgomery ward		Tatung	039
Electrohome	036	MTC	016,024	Teac	024,039,078
Emerson 0	17,018,019,022,024,029,032,036,043,	Multitech	016,024,040,041	Technics	017
050,0	051,056,058,066,071,074,076,077,079	NEC	011,023,025,039,055,070,073	Temika	
Fisher	011,021,027,028,052,057,067	Optimus	015	TMK	076
Funai	024	Panasonic	017,062,084,086	Toshiba	014,022,028,057,058
GE		Pentax	014,044	Totevision	016,018
Go Video	016	Pentex Reserch+	055	Unitech	
Harman Kardor		Philco	017,038,062,065	Vector Res	earch
Hitach	014,024,044,045	Philips	017,038	Victor	
Instant Replay	017	Pioneer	014,025,042,059	Video Cono	cepts
	1,014,016,017,023,025,039,044,060,062	Portland	053,054,061	Videosonic	
JCL	011,017,023,025,039,055	ProScan	009	Wards	
JVC		Quartz	011	Yamaha	
kenwood	011,023,025,039,055	Quasar	017,053	Zenith	
		Radio Shack/Reali	stics 011,015,017,018,021, 024,028,036,052,062		

Cable Box Codes

Anvision	015,016	NSC	017	Signature	054
Cable star	015,016	Oak	024,046	Sprucer	035
Eagle	015,016	Osk Sign	na 024	Starcom	054
Eastrm Int.		Panasoni	c 011,035,047,069	Stargate 2000	066
General Ins	strument 054	Philips	015,016,027,029,034,036,037,040,041,048,049	Sylvania	019,067
GI	012,013,023,031,032,	Pioneer	026,028,052	Texscan	019,067
	033,038,044,075,076,077	Randtek	015,016	Tocom	025,029,057,058,063
Hamlin	011,012,020,021,042,056	RCA	008,035,074	Unika	039,040,049
Hitachi	045,051,054	Regal	011,020,021	Universal	059,060
Jerrold 01	12,013,023,031,032,033,038,044,054,070,073	Regency	010,041	Viewstar 015,016,027,02	9,034,036,037,040,041,048,049
Macom	045,051	SA		Warner Amex	052
Magnavox	015,016,027,029,034,036,037,040,041,048,049	Samsung	000,011,030,052,071,072	Zenith	022,050,065,069

DVD Codes

Philips	007
Proscan	008
RCA	008
Toshiba	002
Panasonic	006
Sony	004
Samsung	000

Chapter Four

OPERATION

Plug & Play Feature

When the TV is initially powered On, two basic customer settings proceed automatically and subsequently: Setting Auto program, Clock.

4	
1 Press the POWER button on the remote control. The message "Plug & Play" is displayed.	Plug & Play
2 Press the ENTER © button. The TV will begin mem- orizing all of the avail- able channels.	Auto Program
3 Press the LEFT/RIGHT ↓ buttons to move to the hour or minute. Set the hour or minute by pressing the UP/DOWN ▲ ♥ buttons. (refer to "Setting and Displaying the Current Time" on page 51.)	42 Migre (€) forber [] Time TV Clock
4 The message "Enjoy your watching." is displayed	Enjoy your Watching

Memorizing the Channels

Your TV can memorize and store all of the available channels for both "off-air" (antenna) and cable channels. After the available channels are memorized, use the CH \land and CH \checkmark buttons to scan through the channels. This eliminates the need to change channels by entering the channel digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding and deleting channels (manual).

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 (i.e., an antenna or a cable system).

Press the MENU button	TV			Channel
o display the menu.	Sign appent	AInCATV	: Alar	Þ
	IIII) Pictarie	Auto Program Add/Delate		
Press the DOWN	sound) (الم	Fine Tune LNA	: 08	1
button to select	K Channel			
"Channel", then press				
the ENTER I button.	\$ Mov	• 💽 🖬	ter 🔟	Return

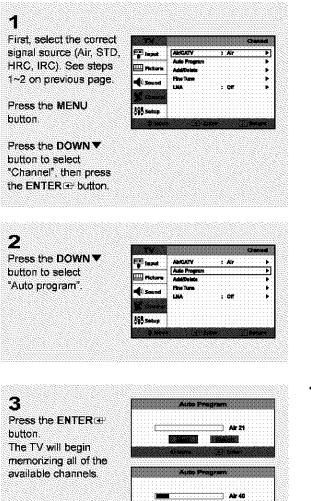
Repeatedly press the	TV		Channel
ENTER I button to	and input	ANCATV Auto Program	: A65
cycle through these	E Picture	Add/Delale	Hills
hoices:	👘 🖏 sound	FineTune LNA	: 07
ir (antenna), STD,	Channel		
RC or IRC (all cable	States and a sector		

Note : STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area.

At this point the signal source has been selected. Proceed to "Storing Channels in Memory" (next page).

Storing Channels in Memory

(Automatic Method)



After all the available channels are stored, the Auto program menu reappears. Press the MENU button to exit. The TV automatically cycles through all of the available channels and stores them in memory. This takes about one to two minutes.

Press ENTER I at any time to interrupt the memorization process and return to the CHANNEL memu.

to select channels over 100.

Ex) Press @ -> @ -> @ to select cable channel 108.

Adding and Erasing Channels (Manual Method)

1 Use the number buttons to directly select the channel that will be added or erased.

2 Press the ADD/ERASE button. Repeatedly pressing this button will alternate between "Added" and "Erased."

You can view any channel (including an crased channel) by using the number buttons on the remote control.

To Select TV/Input

Use to select TV or other external input source connected to the TV. Use to select the screen of your choice.

Press the MENU butto to display the on-	n IV	TV/Video Edit Name	: TV	Import
screen menu.	Picture			
press the ENTER®	ৰ্ণি) Sound 🎽 Cleannel देही, Setup			
2				
			1	W/Video
ress the ENTER		TV		W/Video
Press the ENTER		1V Video1 Video2		W/Video
Press the ENTER Press the ENTER Press the ENTER Press the TV", then press the	Property and a second s	Video1 Video2 S-Video	, , , , , , ,	¥7¥Iàso
2 Press the ENTER button to select TV", then press the ENTER button		Video1 Video2		¥/¥ikes

To Edit the Input Source Name

Name the input device connected to the input jacks to make your input source selection easier.

1 Press the MENU button to display the on- screen menu. Press the DOWN▼ button to select "Input", then press the ENTER ⊕ button	TryMas Try Pricture Edit Nume Ø Sound Edit Nume Ø Sound Sound Ø Channes Sound Ø Sound Sound Ø Sound Sound Ø Sound Sound Ø Sound Sound
2 Press the BOWN ▼ buttons to select "Edit Name", then press the ENTER ⊡ button	Miles Date bewond Pricture Video1 Pricture Sylfeo Ø Sound Componentil Ø Sound Componentil Ø Channed - Ø Channed - Ø Channed - Ø Channed - Ø Sound - Ø Channed - Ø Channed - Ø Channed -
3 Press the UP/DOWN▲▼ buttons repeatedly until the correct vcr appears After the vcr is entered, press the ENTER⊕ button.	Total Video Edit Marrie Wideo Y C R Wideo Y C R Wideo Video Wideo V C R Wideo V C R Wideo V C R Wideo V C R Wideo Component Component Coline UTB W Channa PCDVI V D Rockery V C R V D Rockery V C R V D Rockery V C R
button.	Cat Nerre Video1 : CAT Nerre Video1 : CAT Restrict Video1 : CAT Restrict Svideo: CAT Restrict

Using Automatic Picture Settings

Your TV has two automatic picture settings ("Custom", "Dynamic", "Standard", and "Movie") that are preset at the factory. You can activate either Custom, Dynamic, Standard, or Movie by pressing P.MODE (or by making a selection from the menu). Or, you can select "Custom" which automatically recalls your personalized picture settings.

- Press the MENU button											we	
	📟 Inpet		ture li	fode	• • •	• •	C	uatos	1	• •	- Þ	1
o display the menu.		gi Cu	etom i	Pictu		11	111			11	11	<u>c :</u>
	married by and the	0 C (ior Tot	100			C M	(anim)	100		:•	0
	Sound.) : Siz	\$. 1	ide :			1	61
Press the DOWN		DN	la 🛛			11	. D	Nie O	6	8	1	43
	Chaine	(: P7	t : : :								: •	c :
button to select		1:::	::::	111	:::	11			11			11
'Picture", then press	ÇÎ Ç Setup	1000										11
	and design industry				30,610	95A				3994	898	驪
outton.												

Press the	The Picture
JP/DOWN▲▼	Dob Impert Picture Node : Custom
uttons to select the	Color Tone : Standard
Dynamic [°] , "Standard [°] ,	Saund Die : Dile Off
Movie" or "Custom"	Chanes P
icture setting	्रेरी, Sectup

Alternate method:

Simply press the P.MODE button on the remote control to select one of the standard picture settings.

- Choose Dynamic to increase the elarity and sharpness of the picture.
- · Choose Standard for the standard factory settings.
- Choose *Movie* when viewing the movies.
- Choose *Custom* if you want to adjust the settings accordings to personal preference (see "Customizing the Pieture, page 28).

Customizing the Picture

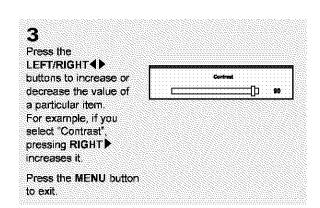
You can use the on-screen menus to change the contrast, brightness, sharpness, color and tint according to personal preference.

(Alternatively, you can use one of the "automatic" settings. See before page.)

1												
Press the MENU button to display the menu.	Input	Picture Node : Custo			dom	m · · · · ·						
		Custo	m Pi	cture	11	11		11				1
		Color	Toni	611		9	Nor	nii		11	20	81
Press the DOWN V	🗣) Sound	Size Dilig		:::	÷		DN	la Ia Ci	7	::		bri € i
outton to select	Channel	PP									Ð	ł
Picture [®] , then press	န်ရှိနဲ့ Setup					::		2		1		1
he ENTER dutton	HARRY TANK			1					ie ^o	90A	0Kin	

Press the	Cusions Picture
ENTER	Contrast
outtons to select a	Brightness 59 Bill Brightness 59
particular item.	Sound Color 50
	X Channel

The customer can select Color Tone: "Cool 2", "Cool 1", "Normal", "Warm 1", "Warm 2" according to personal preference.



Using Automatic Sound Settings

Your TV has four automatic sound settings ("Custom", "Standard", "Music", "Movie" and "Speech") that are preset at the factory. You can activate any of them by pressing the S.MODE button (or by making a selection from the on-screen menu). Or, you can select "Equalizer", which automatically recalls your personalized sound settings.

Press the MENU button					Secon	
	input	Sound Node	::::	Custom		Þ.
to display the menu.		Custom Sound				×.
	Picture.		111	Nono		۴÷.
		NTE Setting	1111	07		Þ.:
ress the DOWN		Gound Select	1111	i Nais 🗆		₩÷.
utten to select	Channel	Dolby Digital				₩C
lion to select		Ext. Audio				۴÷
ound", then press the	çişç Satup	Headphone				ŧ÷.
TER button						

2	
Press the ENTER button. Press the UP/DOWN ▲ ▼ buttons repeatedly to select the "Standard", "Music", "Movie", "Speech" or "Custom" sound settings	Market Brund Mede Classet Inskit Brund Mede Classet Pickurs UTS Bitter Mithematic Mithematic Mithematic Bitter Mithematic Bitter

Alternate method: Simply press the the **S.MODE** button on the remote control to select one of the standard sound settings.

- · Choose Standard for the standard factory settings.
- Choose Music when watching music videos or concerts.
- Choose Movie when watching movies.
- Choose Speech when watching a show that is mostly dialogue (i.e., news).
- Choose *Custom* to recall your personalized settings.

Customizing the Sound

The sound settings can be adjusted to suit your personal preference. (Alternatively, you can use one of the "automatic" settings. See before page.)

		Socied
Press the MENU button	eee Input	Sound Node : Custom
o display the menu.	III Picture	Custom Sound P
		MTS Butting : ON +
Press the DOWN		Kound Salect I Main K
outton to select		Dolby Digital
Sound", then press the	Şî Şetap	Headphone
NTER button	internation and the	a and bio and been

Press the DOWN V	Sound Sound
outton to select	Imput Sound Node : Custom >
"Custom Sound", then	Picture NTS : Mono P
oress the ENTER 🛥	NTS Setting : Of Bound Salast : Mahn ⊨
outton	Channel Doliny Digital
	Sid Setap Handakana

3					
Press the					
JP/DOWN ▲▼	STRATE-VILLANA	2			
outtons to select a					
articular item to be	input	Base	<u></u>		30
shanged.	🛄 Hicture	[. <u> </u>	
ress the					
EFT/RIGHT		•			
	did setup				
buttons to increase or					asta y
lecrease the value of a					
articular item.					
Press the MENU button					
o exit.					

ENTER H button.

Selecting a Menu Language

4	
Press the MENU button	
to display the menu.	Piop&Piop Piop&Piop Picture V-Chip
Press the DOWN V	Cuption Language : 5
button to select "Setup" then press the	Channet Blan Bornen : O Video Cut : Tr

2 Press the DOWN V COO INPU button to select Language. 🖽 ria va Sou Langu Press the ENTER I X a. ::017 ::TV Video Out button.

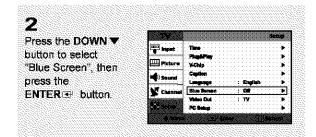
					etaip -
Time					
Plug&Pla	¥ : : :				
VChip		::::			::::
Caption					
Lungung	•	111	Erek		
Dias Scri		:::?	França	ala -	
		111			
PC Skup					
		Lundid		ilitzaan	dinist/1922
			88		
	Caption Lungung Blun Bor Video Ot	Cuption	Caption Language : : Dius Acreen : : Video Cut : :	Caption Language : Engl Dias Screen : Franc Video Cut : Engl	Caption Lunguage : English Dian Baren : Français Video Cut : Experiol

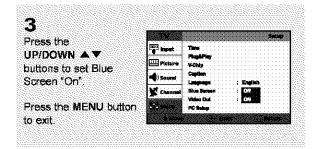
Setting the Blue Screen Mode

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 set the "Blue screen" mode to "Off".

ress the MENU button	- TV	.
o display the menu.	Puel Part Physic Press	
auchied and including	Picture Vichip	×.
ress the DOWN	Sound Caption	2
utton to select	Channel Blue Borean : Off	×
etup", then press	- PC Setup	÷
e ENTER d button.	Chines & Color Differen	





To Select an External Output Device

You can select one from TV, Input1 (Component1), Input2 (Component2), and S-Video to send the signals to a device connected to the output jacks.

Press the MENU button						Setsip	
o display the menu	eeo Input	Time Plusie	 			 	5
	III Picture	VCbin	:::	:::	::::	 	
Press the DOWN	Sound	Caption					
outton to select	Channel	1	 :::	Ċ	W	110	k.
Setup [®] , then press the		Video O PC Sets		1	v		
NTER button	Repairs second					winsing	

2												
Press the DOWN										-	ita i	
outton to select	🔤 inpu		Tin				::					×
Video Out" then press	🛄 Piciu	Ne i	Ph V-C	alle Alle	**							
he ENTER d button.	I) Sour	đ		ption inicia			÷	i i Fini				Р. 16
	S Char	net	Bi	i ta	risian	1		01				Ş.
				ieo O Setu	_	 		TV	 			*
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	1000 Marca	C.
Press the DOWN		• •
utton to select.	Time Input	÷
MILLOT IN DURING .	PlugtPlay	11
	Hickore ViChip	
	Caption	÷
	· Language · · · · · · · · · · · · · · · · · · ·	•
	Channel Blue Borson : Video 1	
	Video Out : Video 2	11
	PC Smup S-Video	
		矖

- If a VCR is connected to the output jacks, you can record the signals coming from the source of your choice.
- If the output is set to TV and the PIP window function is on, you can select the audio from the PIP window. The output audio is automati cally changed to the audio from the PIP window.

LNA (Low Noise Amplifier)

If the TV is operating in a weak-signal area, sometimes the LNA function can improve the reception (a low-noise preamplifier boosts the incoming signal).

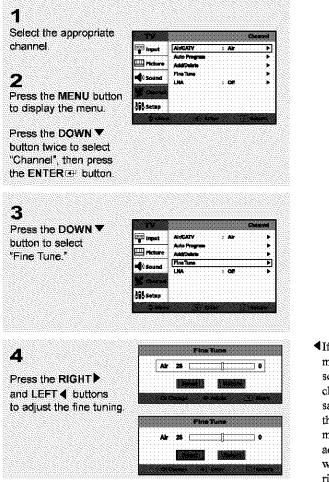
Press the MENU button		Clumed
o display the menu.	ingen lagert	AIXCATY : Air 🕨
	III Return	Auto Program III. Add/Delete III.
Press the DOWN	- Sound	Fina Tune P
outton to select		
Channel", then press	Lib Setup	

P 1	ingut Metur		Alr/ Aut		V.				Air				
			Altr/	CAT.	•				Air			11	.,
		7	Auto	- 8-									
i Hani					÷.,	nų j	11	:::	11	11		11	2
	- RAUE			WD al			11			22		11	
- D	Sound		_	Tu			11	:::			11	11	
abulates.	(and the second	100	LW	t ·			• •		OΠ	• •	• •	• •	••
	umim											1	
101										11		11	
818-	a a contra da contra Contra da contra da co			 skotine	halant			instead	Selveda		Refe	 Rudes	Notice
		्री) Sound हेर्नुहे Setup	ား Sound ကို Character ကိုင် Setup	Sound Liv	INA	(INA) Sound	INA	INA	INA :	INA: : Off	INA : Off	LWA : Off	Liva : Cif

3	
Press the UP/DOWN ▲▼ buttons to set LNA "On"	Casesard Tarsat Abricativ : Air Auto Fregman Auto Fregman Auto Fregman Auto Fregman Auto Fregman (1) Sound UMA : 00000000000000000000000000000000000
Press the MENU button to exit.	A Consent Consent \$70 Setup A Consent A Desire A Consent

Fine Tuning Channels

Use fine tuning to manually adjust a particular channel for optimal reception.



If you do not store the channel in memory, adjustments to the settings are applied before you change the channel but are not saved. Therefore they return to the original settings once you move to another channel. Useradjusted channels are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner.

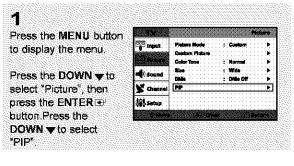
Viewing Picture-in-Picture

This product has one tuner built-in, which does not allow PIP to function in the same mode. Please see 'PIP Settings' below for details.

You can use the PIP feature to simultaneously watch two video sources.

Note: While V-Chip is in operation, the PIP function cannot be used.

Activating Picture-in-Picture



 Quick way to access the PIP menu: Simply press the PIP button on the remote control.

-		
2		
Press the ENTER	- input	• PIP • • • • • • • • • • • • • • • • •
		TVMdeo : TV ►
button to select PIP		Sweep
"On"	Sound	Size 🕨
VIL.	Sound	Position :
	Channel	Ch.No. Ant 3 +
	Sil Setup	
	is in the second	

▲If you turn the TV off while watching and turn it on again, the PIP window will disappear.

3

Press the MENU button to exit. Note: Picture-in-Picture does not function when the V-Chip is active.

PIP Settings

Alto A	PC Analog	PC DVI	IV Tuner1	TV Tuner2	A¥1	AV2	9-VH9	COMP1	COMP2
PC Analog	X	X	0	0	0	0	0	0	0
PC 3/4	X	X	0	0	0	0	0	0	0
TV Tuneri	X	X	X	0	0	0	0	0	0
TV Tunior2	X	X	0	X	0	0	0	0	0
av1	X	X	0	0	X	0	0	٥	0
avi	X	X	0	0	0	X	0	٥	0
8-8MS	X	X	0	0	0	0	X	0	0
(0)(P)	X	X	0	0	0	0	0	Ä	X
C014P2	X	X	0	0	0	0	0	Ä	X

Swapping the Contents of the PIP image and Main image

When you press the SWAP button, the image in the PIP window will appear on the main screen, and vice versa. •While the main screen is in PC mode, it does not work.

Changing the PIP Channel

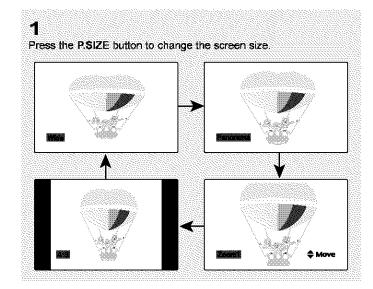
Press the PIP CH \checkmark / \land button to change the channel that appears in the PIP window.

Changing the Size of the PIP Window

Press the SIZE button to alternate between a smaller and larger PIP window.

- You cannot select the PIP window function when the TV set is in energy saving mode. You will see the "Check the cable connection" or "Out of input range" message on the screen in PC mode.
- Press the is button once more to deselect PIP mode.
- You may notice that the picture in the PIP window becomes slightly unnatural when you set the main screen to game or karaoke mode.
 Switch the main screen and the PIP window for normal viewing.
- You can adjust picture position only by using the 🗔 size menu.

Changing the Screen Size



- Wide : Sets the picture to 16:9 wide mode.
- Panorama : Use this mode for the wide aspect ratio of a panoramic picture. (However, it does not work in 720p and 1080i modes.)
- Zoom 1,2 : Magnifies the size of the picture on screen.
- 4:3 : Sets the picture to 4:3 normal mode. This is the standard TV screen size.

Freezing the Picture

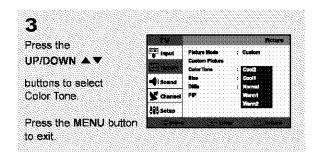
- **1** Press the STILL button to freeze a moving picture. • Not available if V-Chip is turned on. • Normal sound will still be heard.
- Press again it cancel.

Adjusting the Background Color

You can change the color of the entire screen according to your preference.

Press the MENU buttor		
o display the menu	Custom Picture Node : Custom 1 Custom Picture)	
ress the DOWN ▼	Color Tone : Normal)	
itton to select	Channel PP	
cture [®] , then press		
ENTER button.		

Press the DOWN	Mittan
outton to select	Cate Input Picture Node : Custom P
"Color Tone", then	ColorTone : Normal D
press the ENTER	() Sound Dine : Wide P
button.	Channet PP



The customer can select Color Tone: "Cool 2", "Cool 1", "Standard", "Warm 1", "Warm 2" according to personal preference.

Setting the DNIe

Samsung's New Technology brings you more detailed images with contrast and white enhancement and 3D noise reduction.

Press the MENU button		Picture
e diaslow the mean	input	Picture Node : Custom + +
o display the menu	COLUMN STREET,	Gustom Picture 🕨
	-Harley Manager	GolorTena : Normal P
Press the DOWN) Sound	Size : Wide #
outton to select	X Channel	
Picture", then press	Setup	
he ENTER Dutton.		

Press the DOWN	The Market Market	i ti
button to select "DNIe"	Input Picture Mode : Custom	갽
then press the	Color Tone : Normal	j,
ENTER I button.	Sound State Chile Chile Chile	-)) -))
	Stannel PP	2
	185 Setup	11

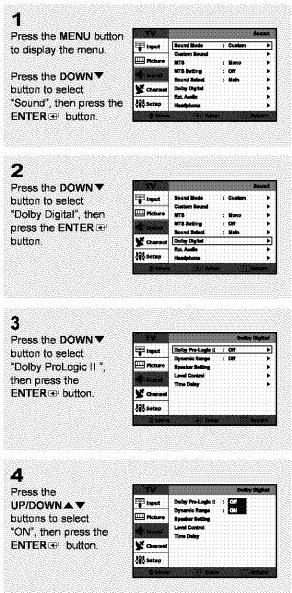
Press the	Rom	
	1000 Input Picture Mode : Custom	
outtons to select	Color Tone : Normal	
DNIe items.	Sound State : Wide	1
	Channel PP DNis Cr	
	AS Setun	

- DNIe Demo: The screen shows the improved image on the left-hand side and the original image on the right-hand side.
- DNIe On: Improved picture mode demonstrated by DNIe Demo is activated.
- DNIe Off: The mode is deactivated and the screen returns to its original condition.

To Enjoy Dolby Digital Sound

Dolby Digital is a surround sound technology that reproduces sound using multiple separate channels. Often called the 5.1 channel system, it consists of five channels that have the 20 - 20,000Hz bandwidth - two front channels (left and right), one central channel, and two rear channels (left and right); and the 0.1 channel, or the subwoofer channel, that has the 20 - 100Hz (bass effect).

Turning the Dolby ProLogic II On



• Turn the Dolby ProLogic II on while the TV is receiving mono or stereo signals to enjoy the 5.1-channel Dolby surround sound.

To Enjoy Dolby Digital Sound...Cont.

Turning the Dynamic Range On

1 Press the MENU button to display the menu.	Novel Press Pr
Press the DOWN▼ button to select "Sound", then press the ENTER I button.	Image: Strategy of the strate
2	
Press the DOWN▼ button to select "Dolby Digital", then press the ENTER ■	Number Shound Impart Bound Mode : Custom > Custom Spand > > Michael Linkon Spand > Michael Bound Michael : Michael Michael Bound Michael : Michael
button.	Chennel Delay Defail > §§§ Seture Ed. Atalia. > Inscriptions > Statute >
3	
Press the DOWN ▼ button to select "Dynamic Range", then press the ENTER⊡ button	Dolby Plattal 003 input Daby Pro-Logis I Off Imput Daby Pro-Logis I Off Imput Dynamic Rampa Off Imput Spanior Rating > Lowic Coatrol > Time Dairy > Chemnel
	Sector State State Sector State St
4	
Press the UP/DOWN▲▼ buttons to select "ON", then press the	Dolby Pro-Legic II is Off Dolby Pro-Legic II is Off Dynamic Range II COM Dynamic Range II II COM Dynamic Range II COM Dyn
ENTER I button	Streament 1000 \$26\$ Setup 1000 Waters 1000

• Reduces the difference between the high and low volume. Suitable for nighttime listening.

Adjusts the output level of each speaker connected to optimize the sound quality. Once the audio signals reproduced from a CD, DVD or an LDP disc marked " IIII" or "IIII" start to come in from the connected input source, the channel-by-channel sound comes through the connected speakers (left and right front speakers, left and right rear speakers, and the center speaker).

Speaker

1 Press the MENU button to display the menu. Press the DOWN▼ button to select "Sound", then press the ENTER⊡ button.	The part of t
2 Press the DOWN ▼ button to select "Dolby Digital", then press the ENTER ⊕ button.	The Storad Imput Bound Mode (Guetom) Imput Dation Solid) Imput Bound Solid) Imput)) Imput))
3 Press the DOWN ▼ button to select "Speaker Setting", then press the ENTER ⊡ button	Dellar Pro-Logie II Cottay Diglicat Pricture Dellar Pro-Logie II Cottay Pricture Distant States Of Pricture Distant States Of Monomia Distant States Distant States States Distant States Distant States Bissisti States Distant States Distant States
4 Press the UP/DOWN▲▼ buttons to select "Front Left", then press the ENTER⊕ button.	Statement Solden Provid Laft Large Provid Laft Large Provid Laft Large Provid Solder Form Hight Power Hight Large Solder Form Hight

- Choose your left and right front speakers among the small and large speakers and select On/Off for the center, the left and right rear speakers and the subwoofer.
- When the Dolby ProLogie II is on: Turn the subwoofer on and choose the small speakers as your left and right front speakers to hear the bass sounds.
- If the speakers are not connected yet, turn the speaker control off to hear the "Down-Mixed" sound through the front speakers.

To Enjoy Dolby Digital Sound...Cont.

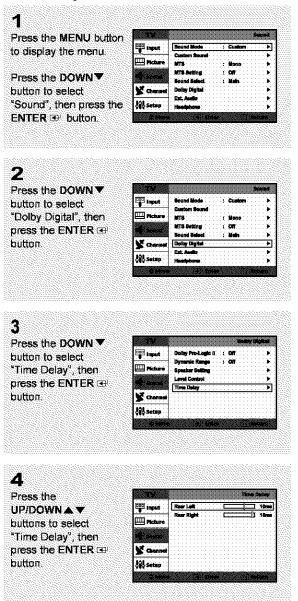
Level

1 Press the MENU button to display the menu. Press the DOWN▼ button to select "Sound", then press the ENTER ⊕ button	Baund Baund Egg Isput Baund Mode Curtom baund Efficience MTB Curtom Baund MTB Baund Mode > MTB Baund Baing D07 MTB Baund Baing C07 MTB Baund Baing D07 MTB Baing Baing D07 MTB Baing Baing D07 SQ Server Baing Baing >
2 Press the DOWN ▼ button to select "Dolby Digital", then press the ENTER ⊡ button.	Bound Noda Custom Imput Bound Noda Custom Distore Round Nono MTB Nono MTB Nono MTB Nono MTB Selond MTB Selond MTB Nono MTB Doby Digital MTB Headphone Selond Nono Selond Nono Selond Nono
3 Press the DOWN ▼ button to select "Level Control", then press the ENTER ⊕ button.	Instrict Delay Pro-Logic X Solicy Delation Import Delay Pro-Logic X SOT Import Sectors Difference in the sector sect
4 Press the UP/DOWN▲▼ buttons to select "TestTone", then press the ENTER ⊡ button.	Content Content Imput Test Torre Off Pictore Provil Laft Imput Pictore Freek Right 0.08 Marcellaft 0.08 Bac Right 0.08 Marcellaft 0.08 Bac Right 0.08 Marcellaft 0.08 Bac Right 0.08 Sol Worter 0.08 Bac Right 0.08 Sol Worter 0.08 0.08 Bac Right 0.08

- You can choose On/Off for a test. The output levels of the left and right front speakers, the center speaker and the left and right rear speakers are adjustable within the range of $-10 \sim +10$ dB.
- Use to adjust the connection settings and output levels for each speaker.

Operation

Time Delay



• For the best quality 5.1-channel surround sound reproduction, place the speakers so that the distance between the speakers and the distance between you and the speakers are the same. The sound coming out of the speakers does not reach the listener at the same time; the timing varies depending on the location of the speakers. This gap is adjustable by changing the delay time of the rear speakers.

To Enjoy Dolby Digital Sound...Cont.

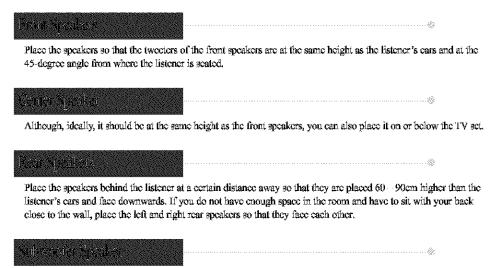


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Ideal Speaker Placement



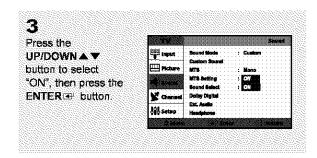
The subwoofer speaker does not require special attention in its placement. Place the speaker anywhere you like.

Changing the STEREO Settings

If you live in an area that has poor reception (due to weak frequency), you may hear noise and experience poor sound quality during the channel selection. Set the stereo setting to Off to eliminate the noise. Select Off and set the MTS setting to Mono.

Press the MENU button						bhin
n aliantari dha manani i	🚥 Input	Sound Mode	1.10	Custom		•
to display the menu.		Custom Bound	111		111	: .) :
	🛄 Picture	I MTS	204	Mono .	111	X (1)
		MTS Betting	\mathbb{C}	or		1 i 🍋
Press the DOWN		Sound Select	- 16	iinin 👘		•
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	5	Ext. Audio	111		111	.:⊮
Sound", then press the	çi Şəhərə	Hastiphone	111			10 b i
NTER button.					nens)/	099000

Press the DOWN	Sound
utton to select	imput Bound Mode : Cuatom >
MTS Setting", then	Custom Sound
ress the ENTER I	MTS Betting : Of >
outton.	Channel Dolby Digital >
	Ett. Audio +



- If the sound quality is poor while you are watching a program broadcast in stereo, press the MTS button and select "Mono."
- You cannot use the bilingual function while you are watching a program in mono.
- If you set the stereo setting to Off and change the channel, the setting remains Mono regardless of the properties of the signals sent from the broadcaster.
- Press the MTS button to switch between Mono and Stereo. (Please note that it works only when the broadcast is done in stereo.)

Selecting the Main or Sub Sound

You can select either Main or Sub when PIP is On.

Press the MENU button	TV Seen
o display the menu.	Union Sound Mode (Custom)
	Picture arrs : Mana)
Press the DOWN	Bound Belact ; Main Charmel Dolby Digital
Sound", then press the	Bri Audio
NTER I button	

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utton to select	🛄 input	Sound	Node m South) () C	tuistori	1		×
Sound Select	Picture Picture					lono	::	:::	ě
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	Setup	Headp							2
	RELOADS COORD			30,000			1999	(490) (C	NOX11

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Picture	MTS None MTS NTS
	Scinid Selait (1897)
Channel	Dolby Digital Contract In the second secon
ŞîŞ Setup	Headphone
	TY Imput Metare Cannet Site Site Site Site Site Site

▲Note : Sound Select can also be used to select the Main or Sub sound over the speakers.

To Select an External Input Device

1	
Press the MENU button to display the menu	Event Sound Imput Sound Mode : Cuviem
Press the DOWN▼ button to select "Sound", then press the ENTER I button.	mit Setting : Orr → Bound Salad. : Stah. → Delty Dight : Sala. → 2§€ Settin Haspiton. →
2	
Press the DOWN▼ button to select "Ext Audio", then press the ENTER⊕ button.	Sound Note Couldress Inpart Sound Note Couldress Inpart Couldress Sound Note Infrature Mr3 Mone Mr3 Sound Note None Mr3 Sound Note None Mr3 Sound Sound None Mr3 Sound Sound None Mr3 Sound Sound None Mr3 Dolby Digital None Side Sound None None
3	
Press the DOWN ▼ button to select *Optical", then press the ENTER ⊕ button.	Pite Spritual Cit Pite Spritual Cit Pite Contail 1 Picture Contail 1 Picture Contail 1 Picture Contail 2 Picture Contail 2 Component 1 Component 2 Picture Picture
	(f) Solup 2 Martine (1997)
4	
Press the UP/DOWN▲▼ buttons to select then press the	Chi Date Date Dig Inpart Optical : Orr Without Consult : Consult Without Vithout Vithout
	R-Vidéo

- Optical cable: Changes electric pulses into optical signals for transmission. This transmission system transmits the digital audio signals in the S/PDIF format, in which the glass conductor trans mits the signals in the form of light.
- Coaxial cable: Uses copper wires to transmit the digital signals.

Adjusting the Headphone Sound

The headphone option is especially useful when simultaneously watching the main screen and the PIP window.

Press the MENU button						Sen	m¢
o display the menu.	🚥 input	Sound No		 Cus	911		
	E Picture	Custom Se MTS	Jund .	Mon			
Press the DOWN	F MARK	NTS Settin Sound Sel	- · · ·	Off			P.
outton to select		Doby Dig					Ē
Sound [®] , then press the	512 Setup	Ext. Audio					
NTER button							

Note : Headphones must be purchased separately.

2									<u></u>	333	555	555
Press the DOWN											See a	14
outton to select	Coco Imput	101	Soum			1	4	Ciu	tom	63		Þ
		1.1	Cuerto	m S o	und					11		Ľ
Headphone [®] and press			NTS 2	hetti n		1		Off	10	11		
he ENTER I button.	b. Station		Soum	310	nii (11				11		Þ
	Channel		Dolby			11				11		
	lil Setup	1	Lat. A							÷÷	+++	-
	pppppplant/kwada			ileen.						192	20102	

Press the			 Hee	lpinone i
	input	Relation		10
buttons to select the	- Mcture	Beau		
particular item to be		Trable	 	1
changed.				
-	Setup			
Press the				
LEFT/RIGHT				
outtons to increase or				
decrease the value of				
a particular item.				

▲Note : When you want to listen to TV with headphones only, press the MUTE or VOL- button on the remote control to set the TV speaker volume to zero(0).

button Press the

UP/DOWN▲▼

buttons repeatedly until the correct time appears.

After the hour is entered, press the ENTER I button

Setting the Clock

Setting the clock is necessary in order to use the various timer features of the TV. Also, you can check the time while watching the TV. (Just press DISPLAY.)

1 Press the MENU button to display the on- screen menu.	input Picture	Setap Time
Press the DOWN▼ button three times to select "Setup", then press the ENTER button.	1) Sound Channel States Base	Copton > Language : Bradish > Bian Screen : Ori > Viele Out : TV > PC: Solup > PC: Solup :
2 Press the DOWN▼ button to select "Clock" and press the ENTER	input input im Picture in Sound Sound	Itema [Citek: 1 32:05 sm ▶] Singe Off ▶ On Time Off ▶ Off Time Off ▶
3		
3 Press the RIGHT►	input	Clock Hour Minuta andpe

Picture 12 Di am

) Sou

Ya

◀Note : You can also set the time using the numeric buttons on the remote.

Setting the On/Off Timer

Press the MENU button					Sertage
o display the on-	input	Time Plug&Play	 		
creen menu.	Picture Picture	V-Chip Ception			₽
ress the DOWN	Sound	Linguage	: Eng	leh 🗌	
utton three times to	Ciennel	Blue Screen Vieleo Cul	: 017 : TV		
elect "Setup", then	l-i-	PC Setup			
ress the ENTER 👁				MORE.,	
utton.					

- Before using the timer, you must set the TV's clock. (See "Setting the Clock" on page 51)
- 2 Press the DOWN ▼ button to select "Clock" and press the ENTER ⊕ button.

3

Press the DOWN ▼ button to select "On time", then press the ENTER ⊕ button.

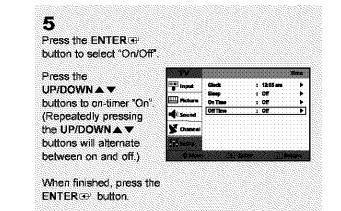
Press the UP/DOWN▲▼ buttons repeatedly to select the appropriate time (i.e., the hour when the TV will turn on).

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When you set the hours, make sure the correct time of day (am or pm) appears to the right of the hour.

4 Press the ENTER ← button to select the "On time" minutes. Press the UP/DOWN ▲ ▼ buttons repeatedly to select the appropriate minutes.

continued ...



6 To set the Off time, press the DOWN V button to select 12 DE em III Pi "Off time". **(**) à ith Press the ENTER N a 07 button and set the hours and minutes. (Follow the same procedure as in steps 1~5 above.)

7 When finished setting the timer, press the MENU button to exit.

- What is Absent Power Off?
 - When you set the timer on, your television will be turned off if you do not operate any controls during 3 hours after you turn on the TV.
 - This 'Absent power off' function is available in only 'Timer on' situation.
 - This function will prevent the leakage accident or dissipation
 - caused by the occation that your TV will be left in turned on situation for a long time due to 'Timer on'.
 - (when you are away on holiday for example)

To deactivate the "On time," select "Off" during this step.

Setting the Sleep Timer

Set the timer for the TV to turn off at the preset time automatically.

Setting the On/Off Timer Using the Menu

Press the MENU button							. Set	(1)
o display the on-	🖤 Input	Time						
screen menu	🕮 Picture	Plug&Play V-Chip Caption						20
Press the DOWN	Sound	Language			-	-		5
outton three times to	Y Channel	Bius Scree Video Out	n : :		017 TV		:::	21
select "Setup", then		PC Setup	:::				:::	<u>ж</u>
	BY AND STATING			65121012			939492	

Press the DOWN	TV	
outton to select	input Click : 12:06 am	×
'Sleep", then press the	Bleep : Cff Con Time : Cff	-
ENTER e button	() Sound Of Time : Off	۲
		8

- Press the ENTER -	TV .Suc
outton. Press the	input liinute Activation
JP/DOWN▲▼	Heture - OT
outtons repeatedly until	I Sound
he correct time appears	S Channel

Easy Way to Set the Sleep Timer

Press the 👝 button on the remote.

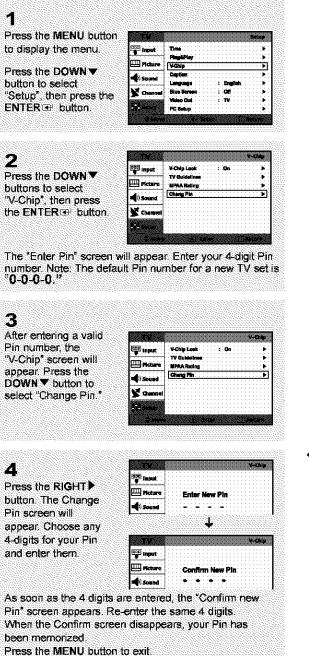
The number on the screen changes from

Off • 30 • 60 • 90 • 120 • 150 • 180.

Using the V-Chip

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

Setting Up Your Personal ID Number (Pin)

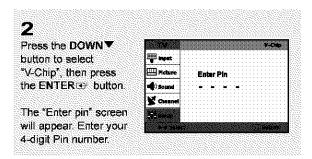


If you forget the Pin, press the remote-control buttons in the following sequence, which resets the pin to 0-0-0: POWER OFF → MUTE → 8 → 2 → 4 → POWER ON.

How to Enable/Disable the V-Chip

Note: V-Chip cannot be used during PIP operation.

1		
Press the MENU button		Switzep
to display the menu.	input Time	•
Press the DOWN▼	Mcture VChip	•
button to select	Sound Language	i Biglini F
"Setup", then press the	Changed Blue Screen Video Out	:017 ►
ENTER I button.	Coc Matter PC Betup	•



The "V-Chip" screen will	10						¥-6	nip (
appear, and "V-Chip lock"	eee input	V-Chip L	ook		ж			•
will be select.	🖽 Picture	TV Quide			: :			() () ()
	Sound	Chang P	n					•
To enable the V-Chip						:::		:::
feature, press the								
RIGHT ▶ button so that the "V-Chip Lock" is set	a lizza zanai			initer				
to Yes.								
						18		
(Pressing the RIGHT)								
button will alternate								
between Yes and No.)								

How to Set up Restrictions Using the "TV guidelines"

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

1		
Press the MENU button	00001-0000	Sociality
o display the menu.	inpet	Tinė
	III Picture	PhagaPiny •
Press the DOWN	() Sound	Caption F
outton to select 'Setup", then press the	Channel	Blue Screen COV
INTER I button		Video Out : TV IP PC Setur

2

Press the DOWN ▼ button to select "V-Chip", then press the ENTER button.

The "Enter Pin" screen will appear. Enter your 4-digit Pin number.

				•••					÷													C	77 100			1000000
¹⁰ Input		11		1		1	11			÷	÷	1			1	2			2	1	÷		÷	÷	÷	1
- Inpuc		11		1		1	11	1			÷	1			÷					1	ŝ		÷			1
		•		÷		÷	•				÷	÷		÷	÷	-	÷	÷	•	÷	÷		÷	÷		1
II Picture	1	1		E	'n	Ŕ	ėr	f	기	ń	÷	÷	÷	÷	÷	1	÷	÷	1	÷	i	÷	i	i	÷	1
	1	1		T		T	17	3	Ĵ	7	ĵ,	1	1	ŝ.	1	1	1	ĵ,	1	ŝ.	ŝ	1	1	Ĵ	ŝ	1
) Sound				-			-		•	-			-						•							1
				÷		2				-	÷	÷			÷	-			-	2	÷		÷	÷		1
Channel						1																				1
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C. R. O. B. S.	11	11	1	2	2	1	11		1	1	÷	1	1	1	1		1			1	÷		÷	ì	÷	1
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										5						1			2			5				
	1		10					÷	0		0												2			

3 Press the DOWN ▼ button, to select "TV Guidelines", then press

the ENTER d button.

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4								
The "T screen Press I ▲▼ b	V guidelines" will appear. the the UP/DOWN iuttons to select the six age-based nes: Young children Children 7 and over	Picture Picture Picture Sound Schemel Schemel Schemel	TV-Y TV-Y7 TV-Q TV-Q TV-P0 TV-14 TV-HA	U U U U U	L F¥	U U U U	Y- L J U J U nblocke	D D U U
TV-G TV-PG TV-14 TV-MA	General audience Parental guidance Viewers 14 and ove Mature audience	r						

Note: These categories consist of two separate groups : TV-Y and TV-Y7 (young children through age 7), and TV-G through TV-MA (everybody else). The restrictions for these two groups work independently: If a household includes very young children as well as young adults, the TV guidelines must be set up separately for each age group. (See next step.)

5

At this point, one of the TV-Ratings is selected.

Press the RIGHT button: Depending on your existing setup, a letter "U" or "B" will start blinking. (U= Unblocked, B= Blocked)

While the "U" or "B" is blinking, press the UP/DOWN▲▼buttons to block or unblock the category

Press the MENU button once to save the TV guidelines. A TV-Rating will be highlighted, and no letters will blink. To exit this screen, press the MENU again. To select a different TV-Rating, press the UP/DOWN ▲ ▼ buttons and then repeat the process.

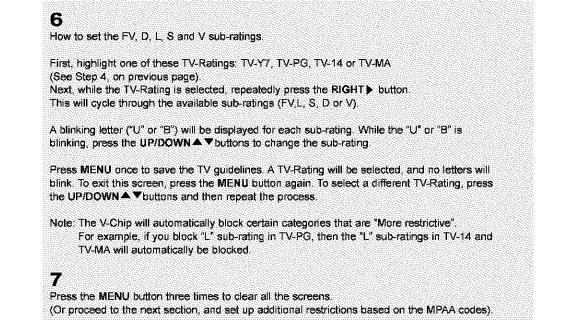
Note 1: The TV-Y7, TV-PG, TV-14 and TV-MA have additional options.

See the next step to change any of the following sub-ratings:

- FV: Fantasy Violence
- D: Sexual suggestive Dialog
- L: Adult Language
- S: Sexual situation

V: Violence

Note 2: The V-Chip will automatically block certain categories that are "more restrictive." For example, if you block "TV-Y" category, then TV-Y7 will automatically be blocked. Similarly, if you block the TV-G category, then all the categories in the "young adult" group will be blocked (TV-G, TV-PG, TV-14 and TV-MA). The sub-ratings (D, L, S, V) work together similarly. (See next section.)



How to Set up Restrictions using the MPAA Ratings: G, PG, PG-13, R, NC-17, X

The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. (Eventually, movie videocassettes will be encoded with MPAA ratings.) When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable ratings (either MPAA or TV-Ratings).

1	
Press the MENU button	Setus
to display the menu	The P
Press the DOWN	PlugkPiny PlugkPiny Image: PlugkPiny PlugkPiny V-Chip PlugkPiny A Chotton
button to select	Sound Language : English M Channel Blue Screen : Off
"Setup", then press the ENTER I button	Video Dut : TV P
ENTERS OULOIL	C terms 10. Lines IT Person

•	
4	
Press the DOWN V	-Chip
button to select	Con Input
"V-Chip", then press	Enter Pin
the ENTER I button.	• Sound
	N Channal
The "Enter Pin" screen	
will appear. Enter your	
4-digit Pin number.	

OPERATION

Press the DOWN		₩-Q #
utton to select	Coo input	¥-Chip Lock ; On ▶
MPAA rating", then	- Picture	T¥ Guidelines MPAA Rating
ress the RIGHT) Sound	Chang Pin F
outton.	Y thannel	

Repeatedly press the		
DOWN ▼ button to	👜 mpsit. 9 V	-
select a particular MPAA category. (When	PG U PG-12 U	Ì
a category is selected.	R Li NC-17 Li	-
ts color changes to	X Channel X U	1
plue.) Pressing the	B : Blocked U : Unblocked	Ì
DOWN ▼ button will	Comme de Brees I metores	瀫

G	General audience (no restrictions).
PG	Parental guidance suggested.
PG-13	PG-13 (Parents strongly cautioned).
R	R (Restricted, Children under 17 should be accompanied by an adult).
NC-17	No children under age 17.
X	X (Adults only).
NR	Not rated.

While a particular category is highlighted, press the **RIGHT** button to activate it. A blinking letter ("U" or "B") will be displayed. Press the **UP/DOWN** ◆ buttons to select "U" or "B".

Press the MENU button three times to save the settings and to clear all screens.

Note: The V-Chip will automatically block any category that is "more restrictive". For example, if you block the "PG-13" category, then "R," "NC-17," and "X" will automatically be blocked also.

How to Reset the TV after the V-Chip Blocks a Channel ("Emergency Escape")

If the TV is tuned to a restricted channel, the V-Chip will block it. The screen will go blank and the following message will appear: "Excessive rating"

To resume normal viewing, tune to a different channel using the number buttons. Under certain conditions (depending on the rating of the local TV programs) the V-Chip might lock out all the channels.

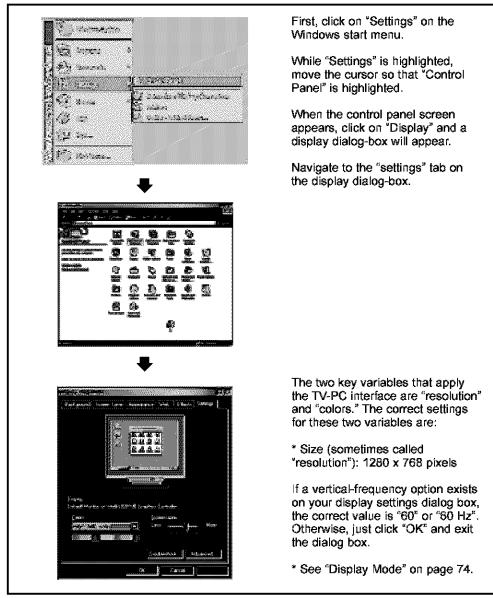
In this case, use the Menu button for an "emergency escape":

Select the V-Chip on the Menu. Enter your Pin number, and press the ENTER button to temporarily disable the V-Chip Lock.

Using Your TV as a Computer (PC) Display

How to Set up Your PC Software (Windows only)

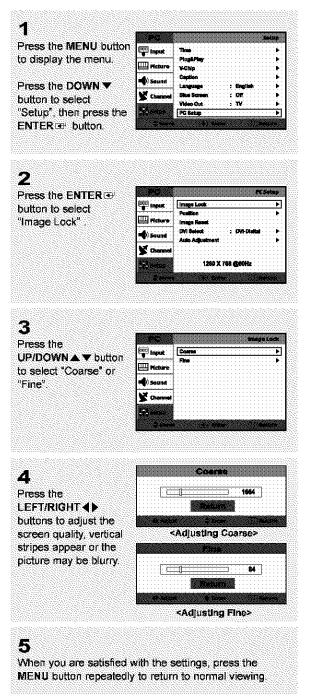
The Windows display-settings for a typical computer are shown below. However, the actual screens on your PC will probably look different, depending upon your particular version of Windows and your particular video card. Even if your actual screens look different, the same, basic set-up information will apply in most cases. (If not, contact your computer manufacturer or Samsung Dealer.)



Adjusting the Screen Quality

The purpose of the picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by fine tuning alone, then do the frequency adjustments to the utmost and fine tune again. After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.

Press the PC button on the remote control to select the PC mode.



PC DISPLAY

Changing the Screen Position

Press the PC button on the remote control to select the PC mode.

1	
Press the MENU button to display the menu.	Setup Constant Time Plag&Play Plag&Play Constant Plag&Play Constant Plag&Play Constant Plag&Play Constant
Press the DOWN ▼ button to select "Setup", then press the	Image: Caption >
ENTER I button	

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utton to select	nput:	image		ė i		: : :		::		1		è
Position [®] , then press	Picture	Poelitie		(•
e ENTER button.	Sound	DVI 8e Auito A		liniu			DVI-	Ðlu	itae)			è
	K Channel											1
			ា	280	X 7		200	Htz.		i.	::	i

MARKED BUILDING
Position
C Input
Picture
Sound

PC DISPLAY

To Initialize the Screen Settings

Use to return the screen settings to the default values.

o display the menu.	Star Imput	The		
e alopiaj ilio niela.	IIII) Picture	Piug i Piuy V-Chip		
ress the DOWN▼	nili) Seensi	Caption Language	: English	Ľ
utton to select	1 Osamei	Blue Screen	: Off	1
Setup", then press the	818 setup	Video Out PC Setup	: 17	►

2 Press the DOWN▼	PC	PC Setup
	Even tapat	image Lock 🕨 🕨
outton to select	[III] Michare	Position >
Image Reset", then		Image Result DVI Select : DVI-Dialial
press the ENTER	elle) source	Auto Adjustment >
outton.	💥 Channel	
	393 Setup	1260 X 768 @60Hz
		i i Return

3	
Press the MENU button	Imaga Reset
to exit.	Image Reset is Completed.
	Return
enter en en en en en en en en b	

PC DISPLAY

How to DVI Select

Choose the right DVI signal for your computer.

Press the MENU button to display the menu. Press the DOWN ▼ button to select "Setup", then press the ENTER I button.	PIC Settur Input Time Hotaria PhogaPiny Withing Ling Withing Ling Withing Ling Base Screen Off Video Out TV Video Out TV Castron Ling Video Out TV PC Setur Ling
2 Press the DOWN ▼ button to select "DVI Select", then press the ENTER button. Repeatedly press ENTER ☞ to choose DVI Select.	PIC PC Seture Inage Lock > Position > Image Reset > <t< td=""></t<>
3 Press the DOWN ▼ button to select "DVI Select", then press the ENTER ⊕ button. Press the MENU button to exit.	PC PC Setup Impati Image Lock Peablin Image Reset Image Reset PH Balact Image Reset PH B

How to Auto Adjust

Use the Auto Adjust function to have the TV set automatically adjust the video signals the monitor receives. The function also automatically fine-tunes the settings and adjusts the frequency values and positions.

1 Press the MENU button to display the menu. Press the DOWN ▼ button to select "Setup", then press the ENTER ⊕ button.	PIC Series Pictarro Piuga/Ray Pictarro Caption Soundi Languaga Soundi Cir Vicio Ou TV Vicio Ou TV Vicio Ou TV Pic Bartup D Move (4) Enter
2 Press the DOWN ▼ button to select "Auto Adjustment", then press the ENTER ⊕ button. Repeatedly press ENTER ⊕ to choose Auto Adjustment.	PC PC Setup Imga Lock > Postion > Mitaro DN Balect : DVH-Disital DN Balect : DVH-Disital > More 1289 X 766 @601ta > \$25 \$ Salup 1289 X 766 @601ta >
3 Press the MENU button to exit.	Auto Adjustment Auto Adjustment

If the TV seems to have a problem, first try this list of possible problems and solutions. If none of these troubleshooting tips apply, call your nearest Samsung service center.

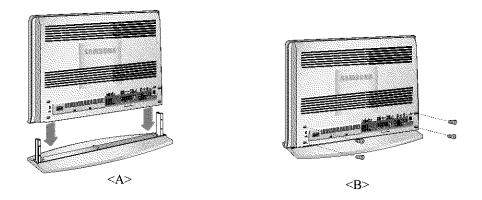
Identifying Problems

Problem	Possible Solution
Poor picture	Try another channel.
	Adjust the antenna.
	Check all wire connections.
Poor sound quality.	Try another channel.
	Adjust the antenna.
No picture or sound.	Try another channel.
	Press the TV/VIDEO button.
	Make sure the TV is plugged in.
	Check the antenna connections.
No sound or sound is too low	First, check the volume of units connected to your TV
at maximum volume.	(digital broadcasting receiver, DTV, DVD, cable
	broadcasting receiver, VCR, etc.). Then, adjust the TV
	volume accordingly.
No color, wrong colors or tints.	Make sure the program is broadcast in color.
	Adjust the picture settings.
	If the set is moved or turned in a different direction,
	the power should be OFF for at least 30 minutes.
	Adjust the antenna.
Picture rolls vertically.	Check all wire connections.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it
	again.
The TV won't turn on.	Make sure the wall outlet is working.
Blurred or snowy picture,	Check the direction, location and connections of
distorted sound.	your antenna.
	This interference is often due to the use of an
	indoor antenna.
Remote control malfunctions	Replace the remote control batteries.
	Clean the upper edge of the remote control
	(transmission window).
	Check the battery terminals.
"Check Signal Cable"	Ensure that the signal cable is firmly connected to the
message.	PC sources.

Problem	Possible Solution				
"Not Supported Mode!"	Check the maximum resolutio	n and the frequency of			
message.	the video Adapter.				
	Compare these values with the	e data in the Display			
	Modes Timing Chart.				
The image is too light or too	Adjust the Brightness and Cor	ntrast.			
dark.	Adjust the Fine function.				
Horizontal bars appear to	Adjust the Coarse function an	d then adjust the Fine			
flicker, jitter or shimmer on	function.				
the image.					
Vertical bars appear to flicker,	The TV is using its power management system.				
jitter or shimmer on the image.	e. Move the computer's mouse or press a key on the				
	keyboard.				
Screen is black and power	Check that the display resolution and frequency from				
indicator light blinks steadily.	your PC or video board is an available mode for you				
	TV. On your computer check: Control Panel, Display				
	Settings.				
Image is not stable and may	If the setting is not correct, us	e your computer utility			
appear to vibrate.	program to change the display	v settings.			
	NOTE: Your TV supports mul	tiscan display functions			
	within the following fr	equency domain:			
	 Horizontal frequency: 	30 kHz ~ 61 kHz			
	Vertical frequency:	56 Hz ~ 75 Hz			
	 Maximum refresh rate: 	1280 x 768 @ 60 Hz			
Image is not centered on the	Adjust the horizontal and vert	ical position.			
screen.					

Installing Stand

The TV supports VESA mounting standard for use with various VESA mounting devices. To install any VESA mounting device, please follow the instructions given.



Lower the TV set in the direction of the arrow (at a right angle) and fix the stand.

2 Use the four screws to tightly fix the stand.

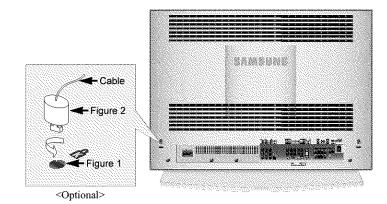
Maintenance of Your LCD TV

1

WARNING: To avoid risk of electric shock, do not disassemble the TV cabinet (except for gaining access to the cable connectors as described on Chapter 2). Users cannot service the TV. User maintenance is restricted to cleaning as explained below:

Unplug the LCD TV from the power outlet before cleaning.

- To clean your flat panel display screen, lightly dampen a soft, clean cloth with water or mild detergent. If possible, use a special screen cleaning tissue or solution suitable for the antistatic coating.
- To clean the LCD TV cabinet, use a cloth lightly dampened with a mild detergent.
- · Never use flammable cleaning material to clean your LCD TV or any other electrical apparatus.

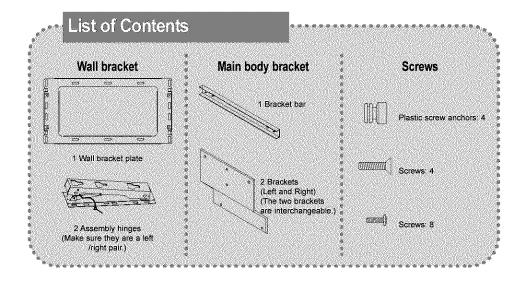


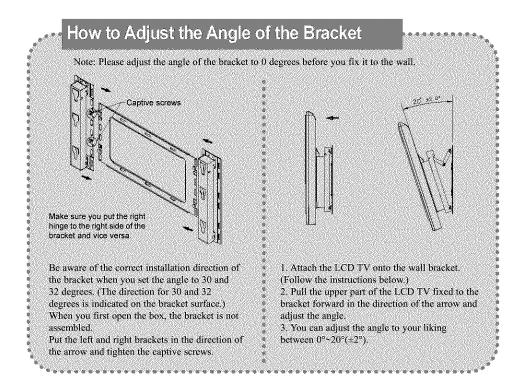
Using the Anti-Theft Kensington Lock

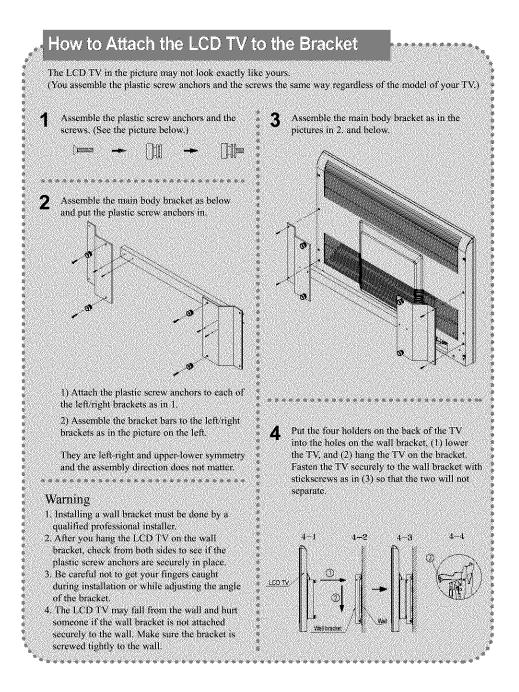
The Kensington lock is a device used to physically fix the system when using it in a public place. The locking device has to be purchased separately. The appearance and locking method may differ from the illustration depending on the manufacturer. Please refer to the manual provided with the Kensington lock for proper use.

1Insert the locking device into the Kensington slot on the LCD TV(figure 1), and turn it in the locking direction(figure 2). **2**Connect the Kensington lock cable. **3**Fix the Kensington lock to a desk or a heavy stationary object.





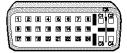




Pin Assignments

Pin DVI Connection

Pin	1	2	3	4	5	6	7	8	9	10
Separate H/V	Rx 2-	Rx 2+	GND	No Connection			DDC Data (SDA)	Analog Vertical Sync	Rx 1-	Rx 1+
Pin	11	12	13	14	15	16	17	18	19	20
Separate H/V	GND	No Connection	No Connectior	DDC Input Power (+5V)		Output Signal Connection	Rx 0-	Rx 0+	GND	No Connectior
Pin	21	22	23	24	25(C3)	26(C5)	27(C4)	28(C2)	29(C5)	30(C1)
Separate H/V	No Connection	GND	Rx C-	Rx C+	Analog (Blue)	Analog GND	Analog Horizental Sync	Analog (Green)	Analog GND	Analog (Red)



Cleaning and Maintaining Your TV

With proper care, your TV unit will give you many years of service. Please follow these guidelines to get the maximum performance from your TV.

Placement

- Do not place the TV near extremely hot, cold, humid or dusty places.
- Do not place the TV near appliances with electric motors that create magnetic fields, such as vacuum cleaners.
- Keep the ventilation openings clear; do not place the TV on a soft surface, such as cloth or paper.
- Place the TV in a vertical position only.

Liquids

• Do not handle liquids near or on the TV. Liquids that spill into it can cause serious damage.

Cabinet

- Never open the cabinet or touch the parts inside.
- Wipe your TV with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
- Do not put heavy objects on top of the cabinet.

Temperature

• If your TV is suddenly moved from a cold to a warm place, unplug the power cord, and allow at least two hours for moisture that may have formed inside the unit to dry completely.

Using Your TV in Another Country

If you plan to take your TV with you to a foreign country, please be aware of the different television systems that are in use around the world. A TV designed for one system may not work properly with another system due to differences in the TV channel frequencies.

Specifications

Mod	el Name	LTN325W	LTN406W		
Panel	Size Display Size Pixel Pitch Type	32.0 inch Diagonal 687.36(H) X 412.42(V)mm 0.537(H) X 0.537(V)mm a-si TFT a	40.0 inch Diagonal 871.68(H) X 523.008(V)mm 0.681(H) X 0.681(V)mm ctive matrix		
	Viewing Angle	170/17	/0 (H/V)		
*Frequency	Horizontal Vertical Display Color	56 ~	61 kHz 75 Hz 216 colors		
Display Resolution	Maximum Mode	1280 X 768 @ 60 Hz			
Input Signal	Sync. Video signal	H/V Separate, TTL, P. or N. 0.7 Vp-p @ 75 ohm			
Video	Color system Video system	NTSC CVBS, S-VHS, RGB			
Component	Video In Audio In	1.0 Vp-p @ 75 ohm 500mVrms			
Power Supply	Input	AC 120 ~, 60Hz			
Power Consumption	Maximum Power Saving	180 W < 1.0 W	260 W < 1.0 W		
Dimensions / Weight	Unit (WxDxH): body With Speaker With Stand	801.0 x 218.0 x 625.0mm 1013.0 x 218.0 x 625.0mm 22 kg	988.0 x 317.0 x 740.0mm 1230.0 x 317.0 x 740.0mm 32 kg		
Environmental Considerations	Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50 °F to 104 °F (10 °C to 40 °C) 10% to 80% -13 °F to 113 °F (-25 °C to 45 °C) 5% to 95%			
Audio Characteristics	Audio Input PC Audio Input Headphone out	RCA Jack Red(R) White(L), 0 3.5ø Stereo Jack, 0.5Vrms (-9 Max. 10mW Output (3.5ø Ste	dB)		
	Frequency Response	RF: 80Hz ~ 15kHz (at- 3dB) A/V: 80Hz ~ 20kHz (at - 3dB)		

* Referring to Display Modes, page 74.

Display Modes

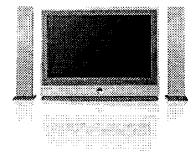
If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal the standard signal mode, adjust the mode by referring to your Videocard user guide; otherwise there may be no video. For the display modes listed below, the screen image has been optimized during manufacture.

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
MAC	640X480	35.000	66.667	30.240	-/-
	832X624	49.726	74.551	49.500	+ /+
IBM	640X480	31.469	59.940	25.175	-/-
	720X400	31.469	70.087	28.322	_ / +
VESA	640X480	37.861	72.809	31.500	-/-
	640X480	37.500	75.000	31.500	-/-
	800X600	37.879	60.317	40.000	+/+
	800X600	48.077	72.188	50.000	+/+
	800X600	46.875	75.000	49.500	+/+
	1024X768	48.364	60.000	65.000	- / -
	1024X768	56.476	70.069	75.000	- / -
	1024X768	60.023	75.029	78.750	+/+
GTF	1280X768	47.700	60.000	80.136	_ / +



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