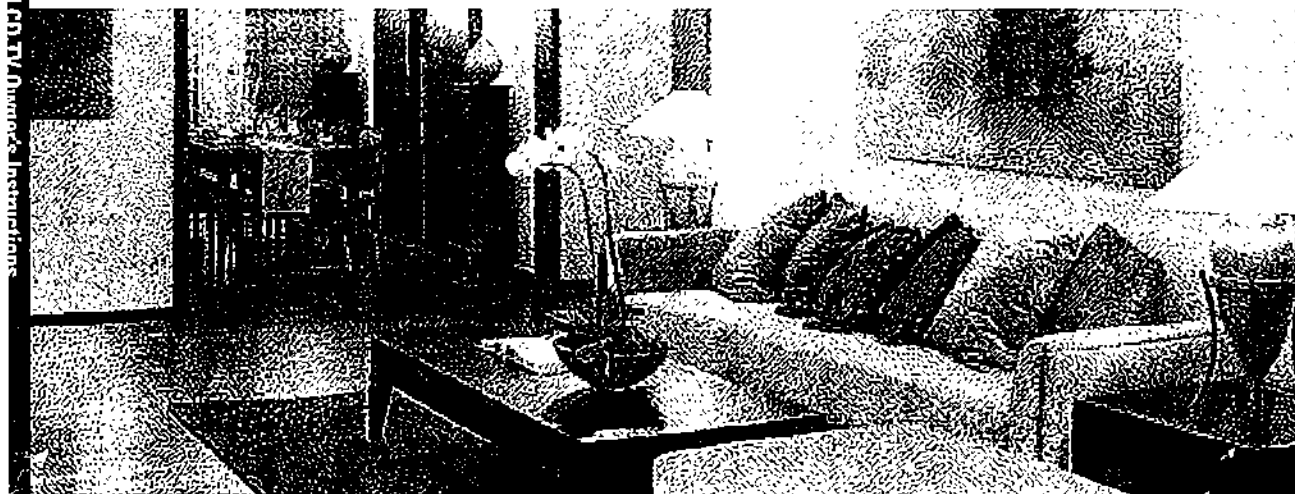


SAMSUNG

SAMSUNG LCD TV Owner's Instructions

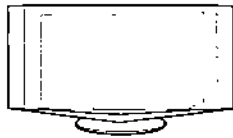


TFT-LCD TV

Owner's Instructions | LT-P468W

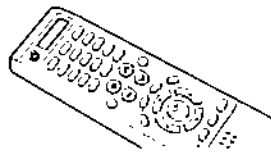
This device is a Class B digital apparatus.

Product Features



Enjoying images with high definition and 5.1 channel surround

- No image distortion with a viewing angle over 160 degrees
- 5.1 Channel, life-like sound quality using the SRS TruSurround XT function
▶ See page ??
- Enjoy DVDs in higher definition with Progressive Scan ▶ See page ??



Enjoy viewing with multiple convenience

- The Auto Volume function solves volume control problems experienced when changing channels. ▶ See page ??
- Variable Screen Size: 4 : 3 for TV programs and Widescreen for movies
▶ See page ??

MCC (My Color Control)

Skin tones and the color of the sky and grass are easily adjustable to suit your preferences ▶ See page ??

I2C (Intelligent Image Control)

The optimum contrast is obtained using automatic detection of the contrast distribution of input images ▶ See page ??

Anynet

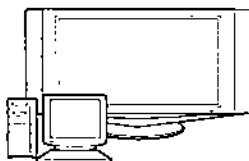
A Home Theater must be easy to use. AnyNet, Samsung's unique technology, creates a true home theater experience! Easy to control with the touch of a button, AnyNet! Start the new Home-Network. ▶ Please refer to the Anynet

IBC (Intelligent Brightness Control)

Comfortable viewing, without eye strain, is enabled through the optimal brightness control which automatically detects the level of the surrounding lights. ▶ See page ??

Color Weakness Enhancement Mode

Samsung values the satisfaction of every viewer.
Vibrant color is available to color blind viewers as well. ▶ See page ??



A simple connection to a PC enables you to view moving pictures on your TV!

- Automatic recognition of the PC connection using VESA Plug & Play
▶ See page ??
- By connecting both a PC VIDEO and AUDIO CABLE (sold separately) to your TV, you can enjoy both pictures and sounds. ▶ See page ??

Before Reading This Manual:

Please refer to the following before reading the remainder of this manual.

Symbol Used Throughout the Text

Symbol	Name	Definition
	Before You Begin	Checklist Prior to Activating Functions
	One-Touch Button	Functions Controlled by a Single Button
	Caution	Situations where a function could be disabled or the setup could be erased
	Note	General advice for product operation and relevant page numbers

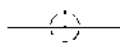
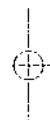
Using the Owner's Instructions

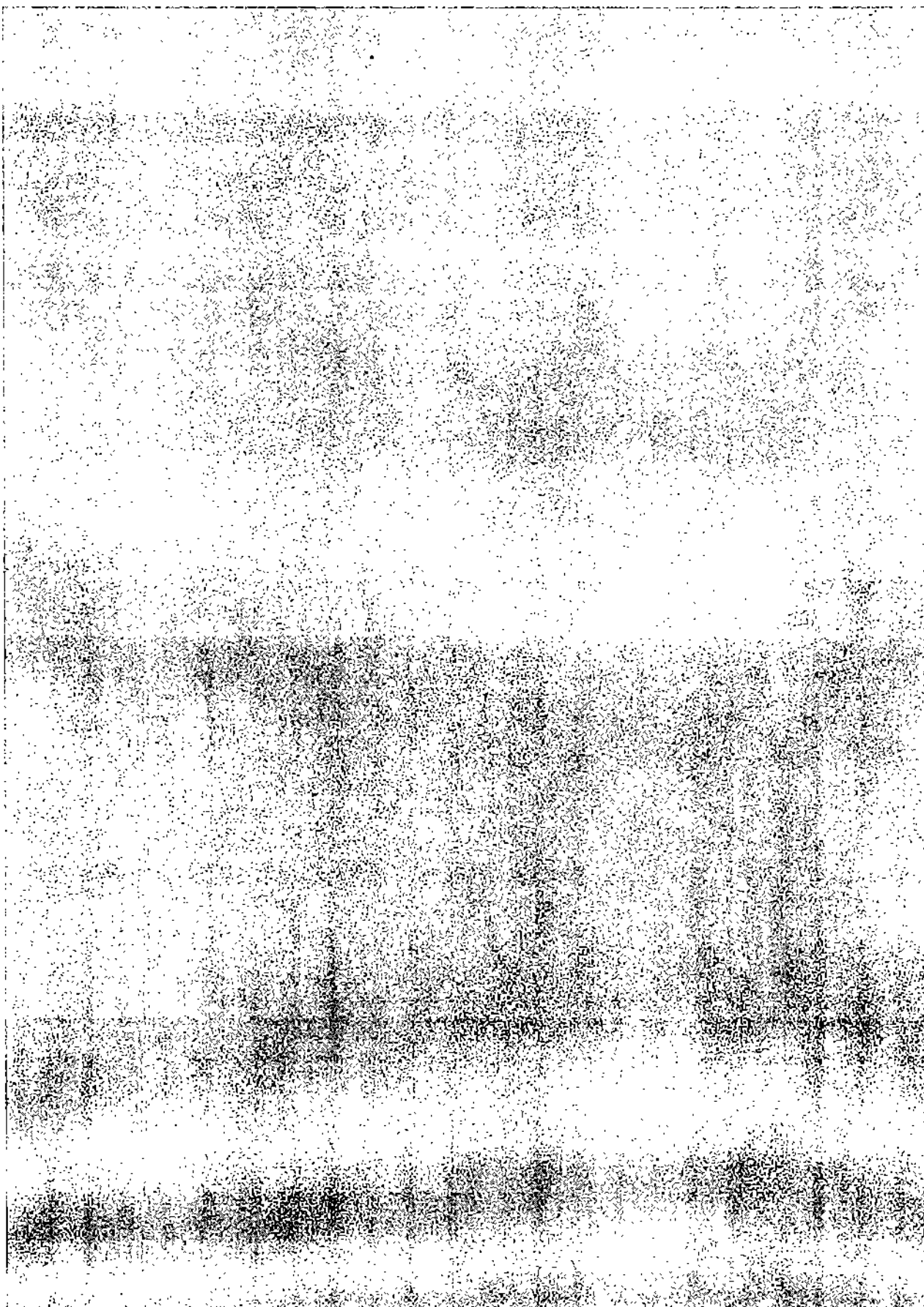
1. Read all the safety instructions before using this product. ► See page ??
2. Refer to Troubleshooting if problems arise. ► See page ??
3. Refer to the Index to quickly search for information. ► See page ??
4. Refer to the Glossary for term definitions. ► See page ??
5. Refer to the Screen Menu for an easy understanding of the menu structure. ► See page ??

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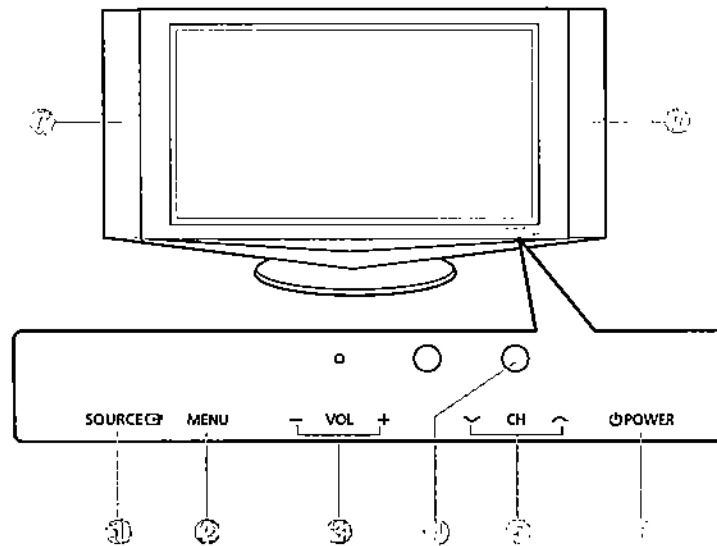
Wall Installation Instructions 11

Using the Anti-Theft Lock 11

Your TV and Accessories

Front Panel/Rear Panel

Front Panel Buttons



1 SOURCE Button

Checks the connection status of all input sources or selects an item from the menu screen.

2 MENU Button

Press to open or exit from the on-screen menu, or return to the previous item.

3 VOLUME Button

Press to adjust the volume. Also used to select an item or make an adjustment in the on-screen menu.

4 BRIGHT Sensor

Press to activate the auto brightness adjustment.

5 CHANNEL Button

Press to change channels. Also press to

move up or down in the on-screen menu.

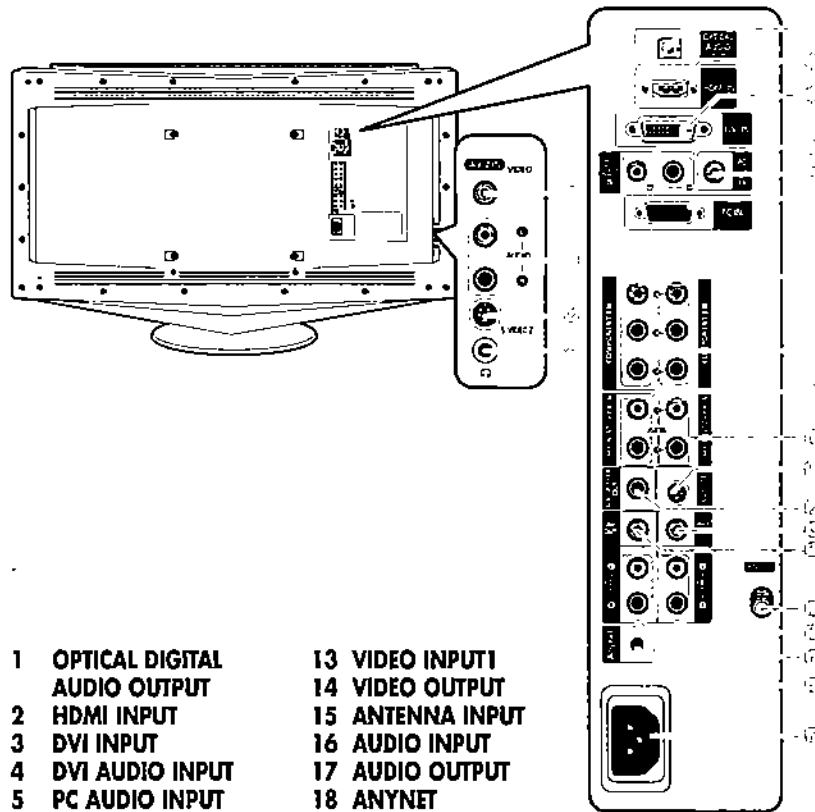
6 POWER Button

Press to turn the TV on and off.

7 Speakers

You can hear the TV sound from the speakers.

Rear Panel Jacks



- | | |
|-----------------------------------|-------------------|
| 1 OPTICAL DIGITAL
AUDIO OUTPUT | 13 VIDEO INPUT1 |
| 2 HDMI INPUT | 14 VIDEO OUTPUT |
| 3 DVI INPUT | 15 ANTENNA INPUT |
| 4 DVI AUDIO INPUT | 16 AUDIO INPUT |
| 5 PC AUDIO INPUT | 17 AUDIO OUTPUT |
| 6 PC INPUT | 18 ANYNET |
| 7 COMPONENT1
VIDEO INPUT | 19 POWER INPUT |
| 8 COMPONENT2
VIDEO INPUT | 20 VIDEO INPUT2 |
| 9 COMPONENT1
AUDIO INPUT | 21 AUDIO INPUT |
| 10 COMPONENT2
AUDIO INPUT | 22 S-VIDEO INPUT2 |
| 11 S-VIDEO INPUT1 | 23 HEADPHONE JACK |
| 12 WOOFER OUTPUT | |

Getting started

Your TV and Accessories

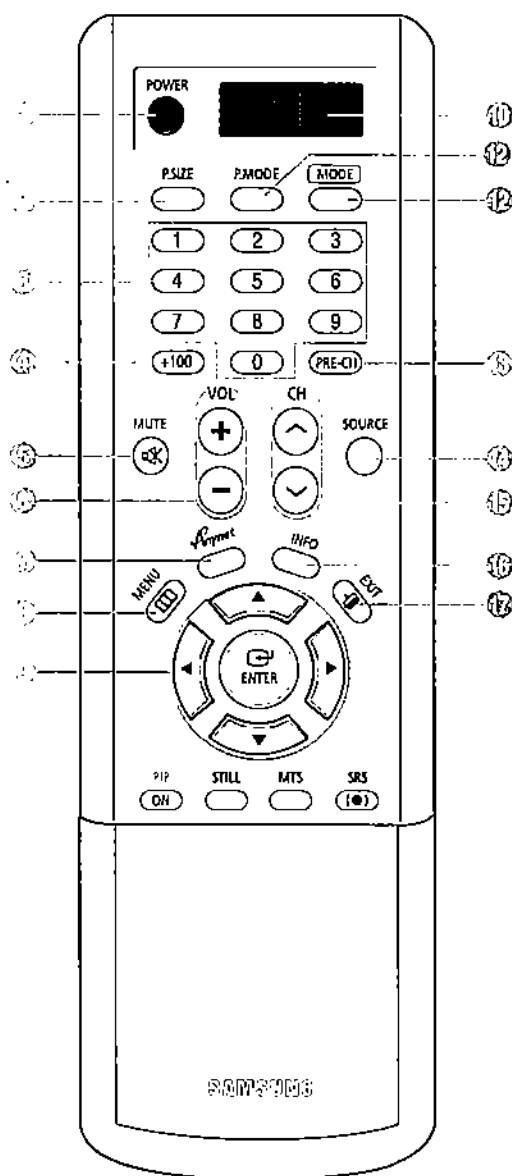
Your TV and Accessories

Remote Control and Accessories

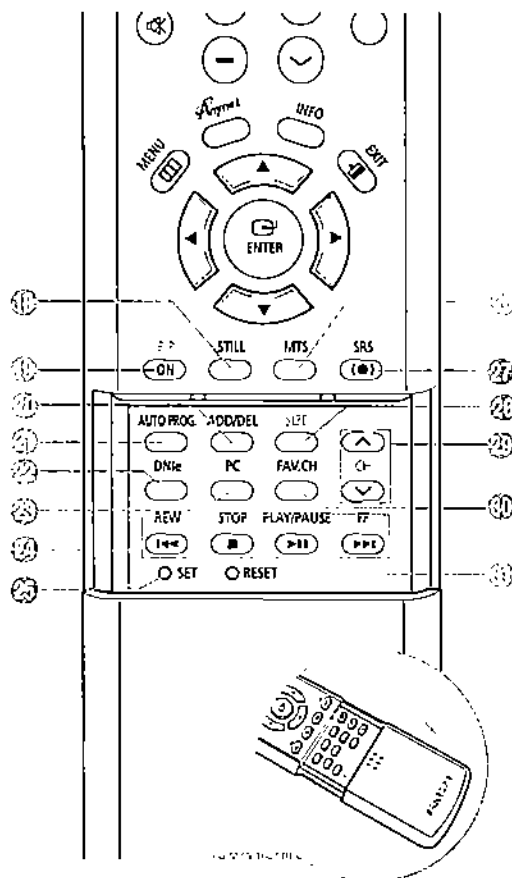
Getting Started

Your TV and Accessories

Remote Control Buttons



- 1 POWER
- 2 P.SIZE ► See page ??
- 3 Numbers ► See page ??
Press to select channels.
- 4 +100 ► See page ??
Press to select channels over 100.
- 5 MUTE
Press to temporarily cut off the sound.
- 6 Volume Control
Press to increase or decrease the volume.
- 7 Anynet
Please refer to the AnyNet Owner's Instructions.
- 8 MENU
Press to display the on-screen menu.
- 9 Move & ENTER ► See page ??
Press to select or move to menu values.
- 10 LCD Display
Shows the battery status and selected input source device.
- 11 P.MODE ► See page ??
- 12 MODE ► See page ??
- 13 PRE-CH ► See page ??
Press to return to the previous viewing channel.
- 14 TV/VIDEO ► See page ??
Press to select or check the status of the TV, AV1, AV2, S-Video1, S-Video2, Component1, Component2, HDMI, DVI or PC.
- 15 Channel Buttons ► See page ??
Press to change channels.
- 16 INFO ► See page ??
Press to display the current channel settings.
- 17 EXIT ► See page ??
Press to exit from the menu.



- 18 STILL** ▶ See page ??
- 19 PIP** ▶ See page ??
- 20 ADD/DEL** ▶ See page ??
Press to add or erase channels.
- 21 AUTO PROG.** ▶ See page ??
Press to automatically store selected channels.
- 22 DNLe** ▶ See page ??
Press to improve picture quality.
- 23 PC**
Press to check the status of the PC connection or select PC mode.
- 24 VIDEO/DVD Buttons**
- 25 SET** ▶ See page ??
Press to set to VIDEO, Cable TV or DVD.
- 26 MTS** ▶ See page ??
Press to choose stereo, mono or Secondary Audio Program (SAP broadcast).
- 27 SRS TSXT**
Press to enjoy 5.1 Channel life-like surround sound quality with 2.1 channel speakers.
- 28 SIZE [PIP]** ▶ See page ??
- 29 Channel [PIP]** ▶ See page ??
- 30 FAV.CH** ▶ See page ??
Press to switch between your favorite channels.
- 31 RESET** ▶ See page ??
If your Remote Control does not work, change the batteries and press the RESET button for 2-3 seconds before use.

Getting started

Your TV and Accessories

Accessories

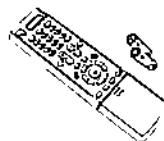
RemoteControl (AA59-XXXXXA)
Batteries (1.5V, AAA type)
(4301-000121)

Power Cable (XXXX-XXXXXA)

Amytel Cable (XXXX-XXXXXA)

Owner's Instructions

Safety Guide Manual/
Warranty Card; 2EA/
Registration Card



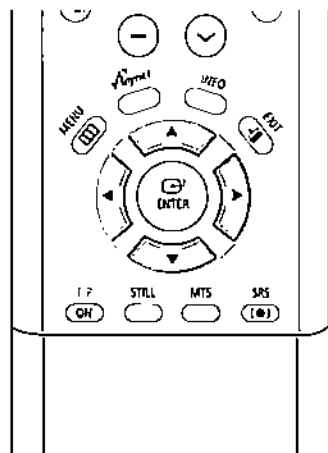
Your TV and Accessories

Using Your Remote Control

Setting Up Your TV

Using Your Remote Control

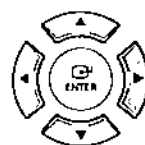
Using the Move and ENTER Buttons



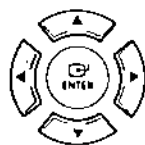
Moves to an upper menu item.



Moves to a lower menu item.



Moves to a right setup item.



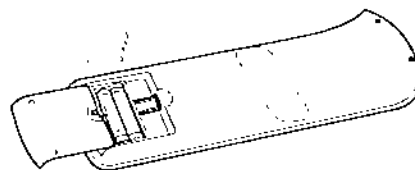
Moves to a left setup item.



Press to select the chosen item.

Inserting Batteries in the Remote Control

1. Hold down the ▼ area and slide the cover out.
2. Install two AAA size 1.5V batteries ensuring that the "+" and "-" ends of the batteries are correctly aligned.
3. Replace the cover.



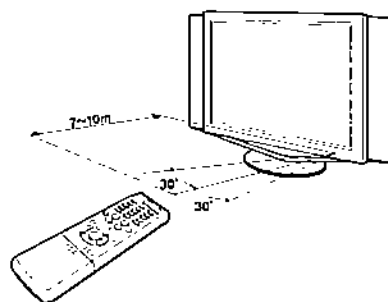
Remote Control Connection Angle

The remote control connection range lies within a 30° angle to the right or left of the TV and up to a distance of about 23 feet from the TV.



Caution

- Properly dispose of the expired batteries. Contact your local government or community disposal service for disposal practices in your area. Keep them away from small children.
- Do not mix old and new batteries. When replacing the batteries, replace them both.
- If the Remote Control will not be in use for a while, remove the batteries.

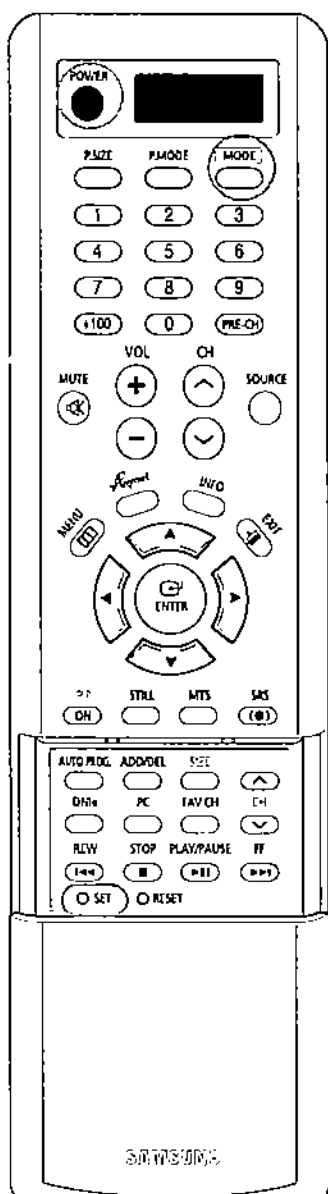


Your TV and Accessories

Setting Up Your Remote Control

This TV's remote control can operate almost any VCR, cable box or DVD. After it has been set up properly, your remote control can operate in five different modes: TV, VCR, Cable, DVD or STB. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

Setting Up the Remote to Operate Your VCR, Cable box or DVD player



1 Turn off your VCR. (or Cable box, DVD player)

2 Press the MODE button.
The Mode is changed whenever Mode button is pressed.

3 Press the Set button on your TV's remote control.

4 Enter 3 digits of the VCR (Cable box or DVD) code listed on next page for your VCR (Cable box or DVD).

5 Press the Power button. Your VCR (Cable box or DVD) should turn on. If it turns on, your remote control is now set correctly.
If it does not turn on, repeat steps above, but try one of the other codes listed for the brand of particular yours.

6 Once your remote control is set up, press the MODE button any time you want to use the remote control to operate VCR (Cable box or DVD).

- Note**
- The remote control may not be compatible with all DVD Players, VCRs, Cable boxes.
 - The remote control can only operate STB made by Samsung.
 - When your remote control is in the VCR, CATV, DVD or STB mode, the volume buttons still control your TV's volume.
 - When your remote control is in the TV mode, the VCR or DVD control buttons (rewind, stop, play/pause and fast forward) still operate your VCR or DVD.

Getting started

Setting Up Your Remote Control

Your TV and Accessories

CODE

Getting Started

CODE**VCR Remote Control Codes**

Brand	Codes	Brand	Codes	Brand	Codes
Admiral	020	JVC	007 008 018 021 026 037	RCA	017 019 002 021 035 041 043 057 068
Aiwa	025	Kenwood	007 008 018 026 037	Samsung	000 001 002 003 004 005
Akai	027 004 032	KLH	070	Sansui	026
Audio Dynamics	007 026	Lloyd	025	Sanyo	018 024
Bell&Howell	018	Logik	038	Scott	003 047 052 067
Broksonic	022	LXI	025	Sears	018 019 006 024 028 029 041
Candle	002 006 003 015 008 055	Magnavox	021 036 056 059	Sharp	020 034 045 015
Canon	021 056	Marantz	008 007 018 021 026 036	Shimom	027 033 038 058
Citizen	002 003 006 008 015 055		037 062	Signature	025
Colorlyme	007	Marta	006	Sony	027 033 044
Craig	002 024	MEI	021	Sylvania	021 025 036 056 059
Curtis Mathes	002 017 007 008	Memorex	006 021 024 025	Symphonic	025
	021 025 056 064 066	MGA	034	Tandy	018 025
Daewoo	003 015 010 011 012 013	Midland	005	Tashika	006
	014 016	Minolta	019 041	Tatung	037
DBX	007 026	Mitsubishi	019 034 041 046	Teac	025 037 068
Dimensia	017	Montgomery Ward	020	Technics	021
Dynatech	034	MTC	002 025	Teknika	021 006 025 031
Emerson	001 003 006 021 022 025	Multitech	002 025 038 005	TMK	066
	030 032 034 040 047 050	NEC	018 007 026 037 008 062 064	Toshiba	003 019 029 051 052
	052 060 063 065 066 067	Optimus	020	Television	002 006
	069	Panasonic	021 056 071 072	Unitech	002
Fisher	018 024 028 029 048 051 061	Pentax	019 041	VectorResearch	007 026
Funai	025	Pentex Research	008	Victor	026
General Electric	017 002 021	Philco	021 036 056 059	Video Concepts	007 026
	005 056	Philips	021 036	Videosonic	002
Go Video	002	Pioneer	019 026 039 053	Wards	002 003 006 019 020 021
LG(Goldstar)	006 007 008 009 010	Portland	015 049 055		024 025 034 038 041
Harman Kardon	007	PROSCAN	017	Yamaha	007 008 018 026 037
Hitachi	019 025 041 042	Quartz	018	Zenith	023 027 033 073
InstantReplay	021	Quasar	021 056		
JC Renney	002 007 018 019 021	Radio Shack/Realistic	006 018 020 021 024 025 029 034 048 056		
	026 037 041 054 056				

Cable Box (CATV) Remote Control Codes

Brand	Codes	Brand	Codes	Brand	Codes
Anvition	017 018	Philips	019 021 023 028	Sprucer	022
GI	041	Pioneer	018 020 004 044	Stargate 2000	036
Hamlin	003 024 031	RCA	014 022 040	Sylvania	016
Hitachi	025 030	Regal	003	Texscan	016
Jerrold	038 039	Regency	015 023	Tocom	032
Macom	025 030	SA	042 043	Universal	033 034
Magnavox	019 023 028	Samsung	000 001 002 003 004 005	Viewstar	019 021 023 028
Oak	026		006 007	Wamer amex	046
Panasonic	003 022 027 037 044	Scientific Atlanta	042 043	Zenith	017 029 035 037 045

DVD Remote Control Codes

Brand	Codes	Brand	Codes	Brand	Codes
Anvition	017 018	Philips	019 021 023 028	Sprucer	022
GI	041	Pioneer	018 020 004 044	Stargate 2000	036
Hamlin	003 024 031	RCA	014 022 040	Sylvania	016
Hitachi	025 030	Regal	003	Texscan	016
Jerrold	038 039	Regency	015 023	Tocom	032
Macom	025 030	SA	042 043	Universal	033 034
Magnavox	019 023 028	Samsung	000 001 002 003 004 005	Viewstar	019 021 023 028
Oak	026		006 007	Wamer amex	046
Panasonic	003 022 027 037 044	Scientific Atlanta	042 043	Zenith	017 029 035 037 045

CODE

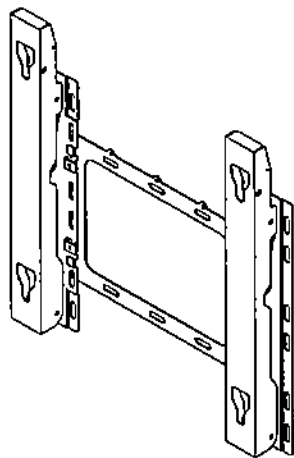
Wall Installation Instructions

Notes & Checking Parts

1. The Wall Attachment Panel is sold separately.
2. Do not install the product in any location other than a vertical wall.
3. To protect the performance of your product and prevent problems, avoid the following locations:
 - Any place vulnerable to vibration or impact: The product may come off and break.
 - Near smoke and fire detectors: The sprinkler may be activated upon detecting heat from the product.
 - Near high voltage: The reception for your product may be interrupted.
 - Near heat sources: The product may get overheated.

Notes & Checking Parts

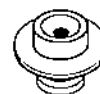
Installation Notes



Wall Mount Bracket



Screws

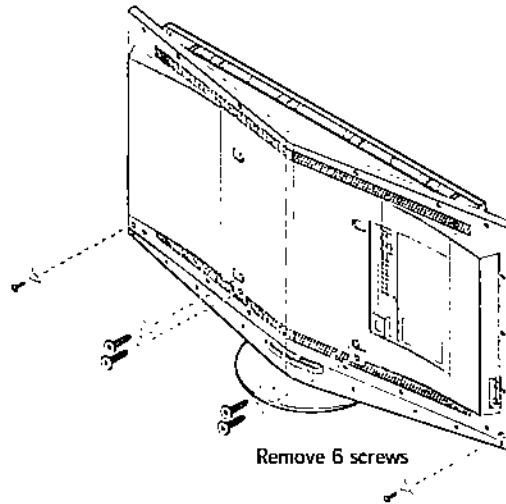


Plastic Screw Anchors

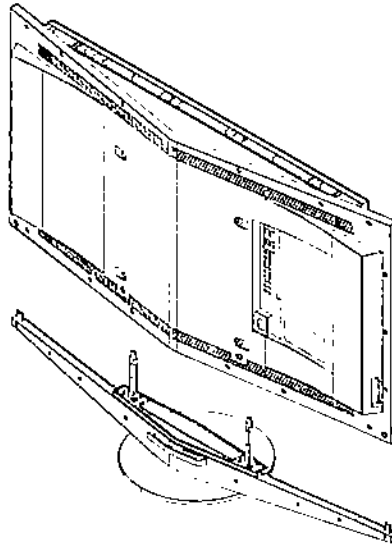
Wall Installation Instructions

Attaching Your TV to the Wall Attachment Panel Bracket

1. Remove the 6 screws from the back of the TV.



2. Separate the stand from the monitor.



Getting Started

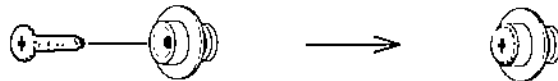
Attaching Your TV to the Wall Attachment Panel Bracket

Wall Installation Instructions

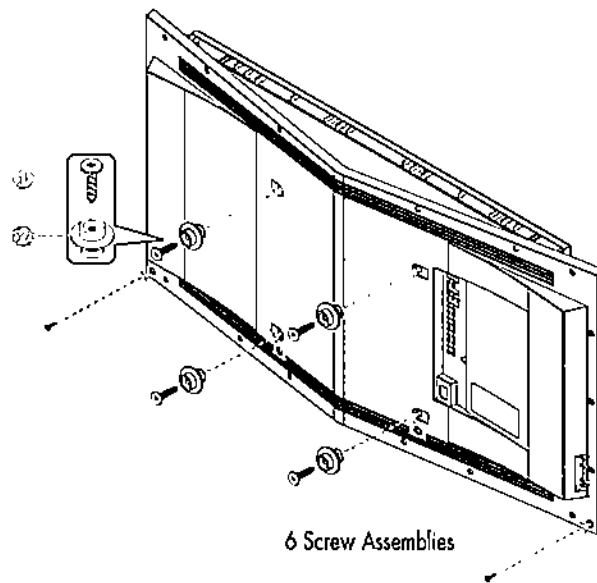
Attaching Your TV to the Wall Attachment Panel Bracket

Getting Started

3. Assemble the plastic screw anchors and the screws. (See the picture below.)

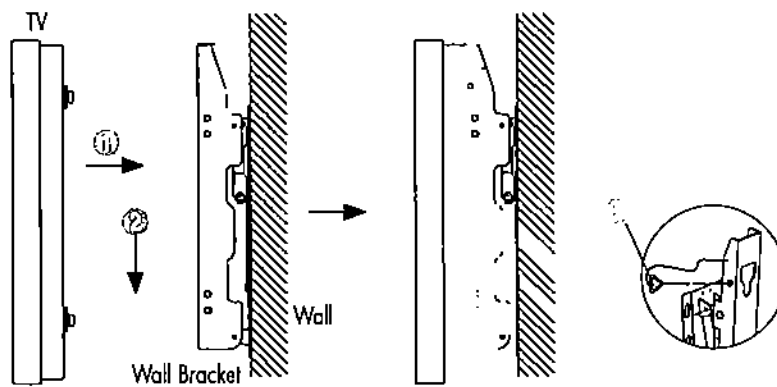


4. Tighten the screw assemblies (as shown in Picture 3) to the back of the TV.



Attaching Your TV to the Wall Attachment Panel Bracket

5. Put the four holders on the back of the TV into the holes on the wall bracket ⑪, lower the TV ⑫, and hang the TV on the bracket. Fasten the TV securely to the wall bracket with stick screws as shown in ⑬ so that the two will not separate.



GAIA-1 5/7/04 8:57 AM Page 19

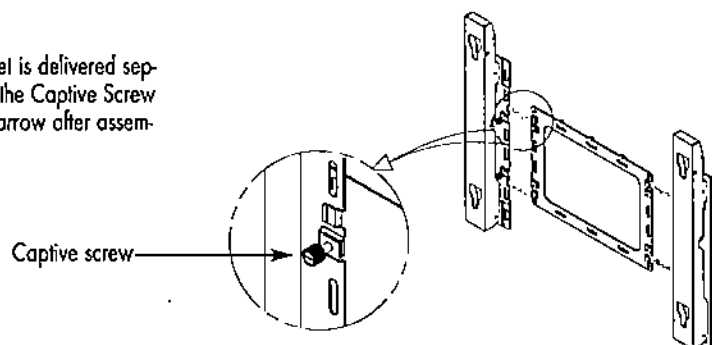
Attaching Your TV to the Wall Attachment Panel Product

Wall Installation Instructions

Adjusting the Angle of the Bracket

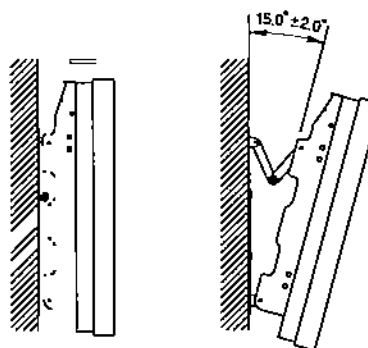
Factory Default

The Wall Mount Bracket is delivered separately. Please tighten the Captive Screw in the direction of the arrow after assembling the bracket.



Changing the Angle

1. Attach the TV to the wall bracket.
(Follow the instructions below.)
2. Pull the upper part of the TV (which has been attached to the bracket) forward in the direction of the arrow and adjust the angle.
3. You can adjust the angle to your liking between 0-15°. ($\pm 2^\circ$)



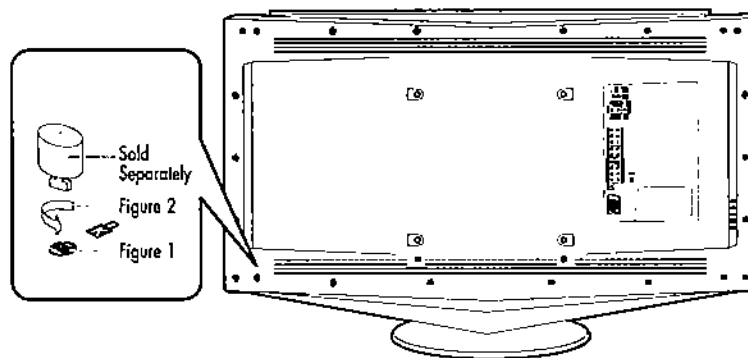
Note

1. Contact an authorized technician when installing the wall attachment panel.
2. After hanging the TV on the wall bracket, check from both sides to see if the plastic screw anchors are securely in place.
3. Be careful not to get your fingers caught during installation or while adjusting the angle of the bracket.
4. Make sure the wall brackets are tight. Otherwise, the TV may fall from the wall and hurt someone.

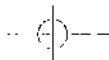
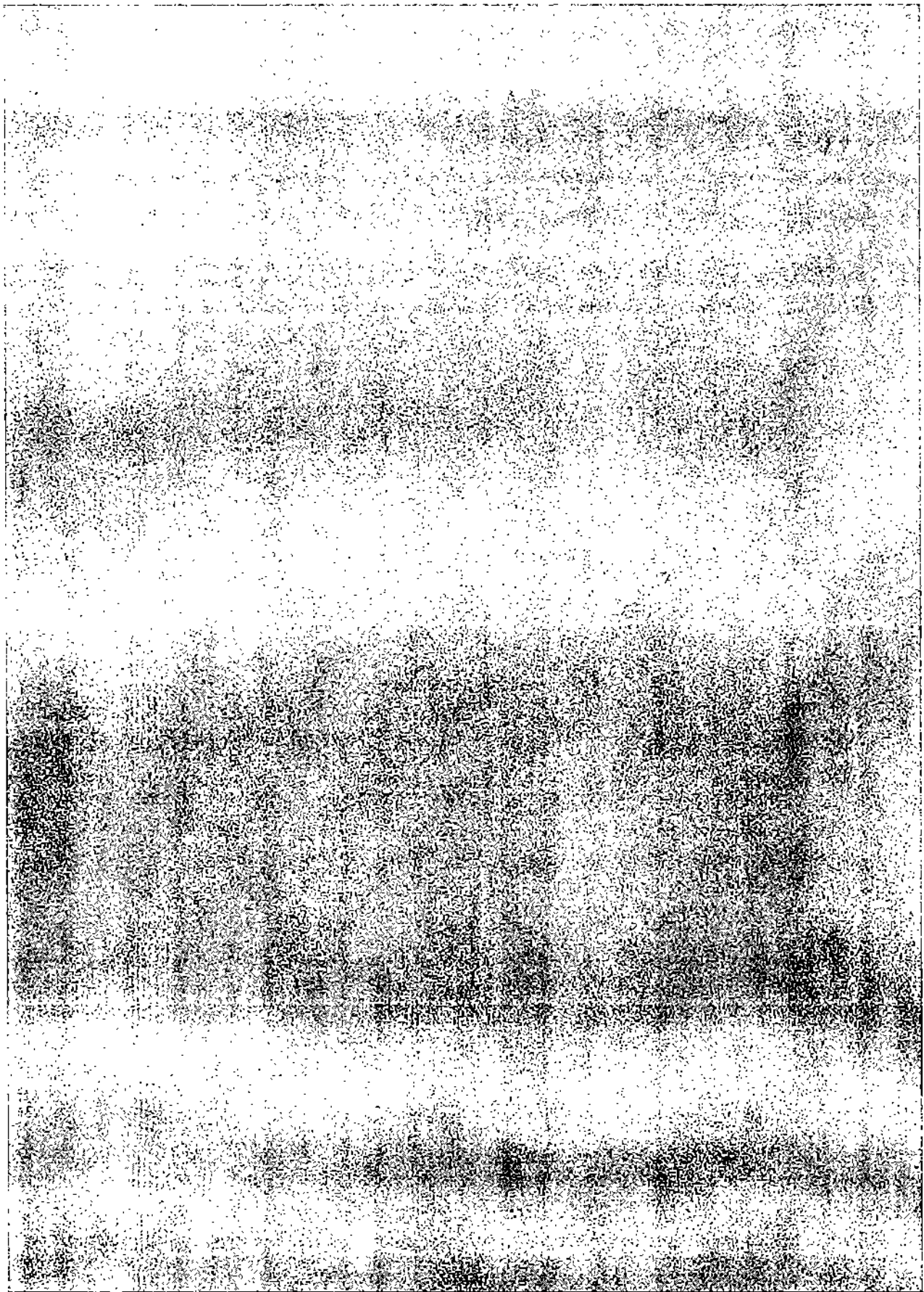
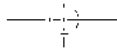
Using the Anti-Theft Lock

The Kensington lock is a device used to physically secure the LCD TV when using it in a public place.

- The LCD TV is designed to use the anti-theft lock.
- The lock device is used to secure the LCD TV when it is used in a public place.
- The appearance and locking method may differ depending on the manufacturer. Please refer to the Owner's Instructions provided with the lock for proper use.



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



Connection & Input Source Setup

222 11

Checklist Before Installation

Please check the following before connecting other devices to your TV.

Check Before Installation

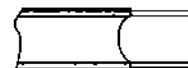
1. Please read the Owner's Manual of the device you are going to connect.
The device may have a different number of terminals and locations depending on the model.
2. Do not supply power to the device until all connections are complete.
Supplying power in the middle of connecting may cause damage to your product.
3. Make sure that the right (red) and left (white) audio jacks are correctly connected.
4. Check the type of jacks on the back of the product you wish to connect to your TV.

Please refer to the table below for the connection order of products you own.

Products You Own	Connection Order
LCD TV + VIDEO	Please refer to the User's Manual regarding Input Devices on Page ??-??
LCD TV + CATV	Please refer to the User's Manual regarding Input Devices on Page ??-??
LCD TV + SATELLITE	Please refer to the User's Manual regarding Input Devices on Page ??-??
LCD TV + DVD	Please refer to the User's Manual regarding Input Devices on Page ??-??
LCD TV + STB	Please refer to the User's Manual regarding Input Devices on Page ??-??
LCD TV + CAMCORDER/ GAMING DEVICE	Please refer to the User's Manual regarding Input Devices on Page ??-??

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.



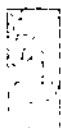
If your antenna has one lead that looks like this, see "Antennas with 75-ohm Round Leads" on next page.



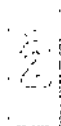
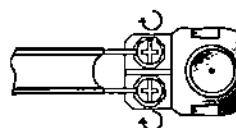
If you have two antennas, see "Separate VHF and UHF Antennas" on next page.

Antennas with 300-ohm Flat Twin Leads

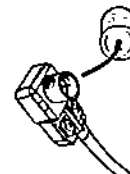
If you are using an off-air antenna (such as a roof antenna or "rabbit ears") that has 300-ohm twin flat leads, follow the directions below.



Place the wires from the twin leads under the screws on the 300-75 ohm adaptor (not supplied). Use a screwdriver to tighten the screws.



Plug the adaptor into the VHF/UHF terminal on the bottom of the back panel.



Antennas with 75-ohm Round 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.

Plug the antenna lead into the VHF/UHF terminal on the bottom of the back panel.



Connecting VHF and UHF Antennas

Connecting VHF and UHF Antennas

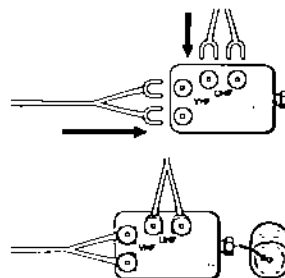
Connecting VHF and UHF Antennas

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 an optional combiner-adaptor (available at most electronics shops).



Connect both antenna leads to the combiner.



Plug the combiner into the VHF/UHF terminal on the bottom of the rear panel.

Connecting Cable TV

You can connect different cable systems to your TV, including cable without a cable box, and cable with a cable box that descrambles some or all channels.

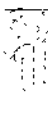
Cable without a Cable Box

If you want to connect cable, and you do not need to use a cable box:

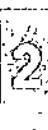
Plug the incoming cable into the VHF/UHF antenna terminal on back of the TV.



Connecting to a Cable Box that Descrambles All Channels



Find the cable that is connected to the ANTENNA OUT terminal on your cable box.



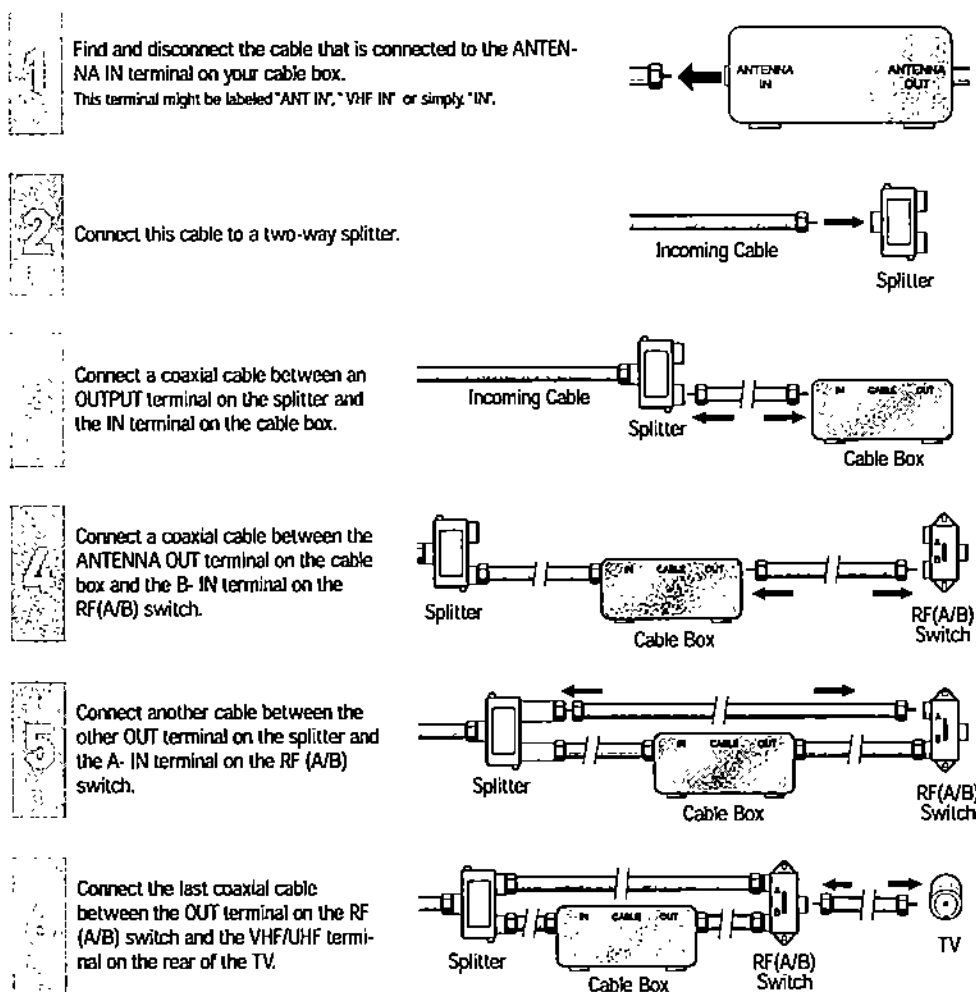
Connect the other end of this cable to the VHF/UHF antenna terminal on the back of the TV.



Connecting Cable TV

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.)



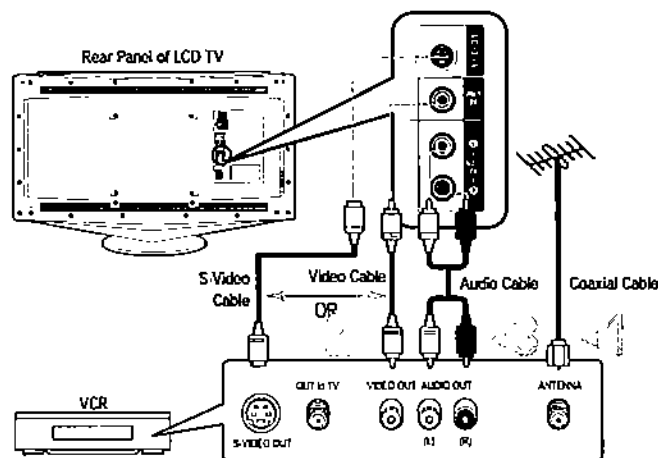
After you've made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B", you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

Connecting Cable TV

Connecting Cable TV

Connecting a VCR

Connecting a VCR



1

Connect the antenna cable to the ANTENNA IN terminal on the back of the VCR.

- Connect either the indoor/outdoor antenna cable, the CATV antenna cable or the Satellite antenna cable.

2

Connect the video cable between the [Video 1 In (yellow)] terminal on the back of the TV or the [Video 2 In (yellow)] terminal on the side of the TV and the [Video Out (yellow)] terminal on the back of the VCR.

3

Connect the audio cable between the [Left (white) - Voice - Right (red)] terminal on the side or back of the TV and the [Audio (white/red) Out] terminal on the VCR.

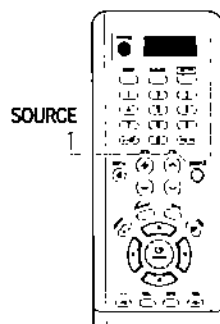
4

Supply power to your TV and VCR after making all the connections.

Note

For a VCR with an S-VIDEO terminal, connect the video cable between the [S-Video In] on the TV and the [S-Video Out] terminal on the VCR. For connection of the audio cable please follow the instructions above.

Viewing the Images Played on the VCR



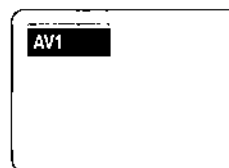
- 1 Turn your TV on, then press the [SOURCE] button to select <AV1> or <AV2>.
 - If <AV1> or <AV2> is unavailable, please check that the video cable is connected correctly.

- 2 Turn on your VCR, then press the [PLAY] button.

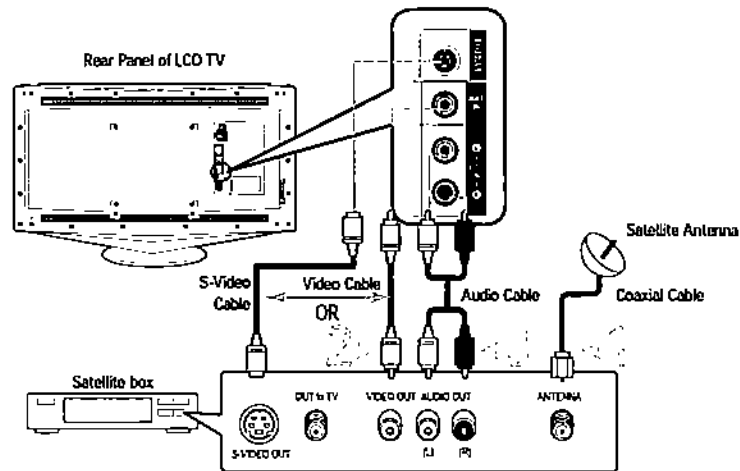


Note

- If you have connected the TV and the VCR using an S-Video cable, press the [SOURCE] button to select <S-Video1> or <S-Video2>.
- If you have connected the video cable to the [AV2] terminal, select <AV2>.
- Audio and video cables are sold separately.

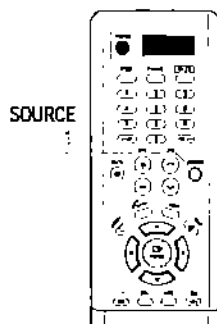


Connecting & Viewing Satellite TV



- 1** Connect the Satellite cable to the Antenna Input terminal on the back of the Satellite box.
 - 2** Connect the video cable between the [Video 1 In (yellow)] terminal on the back of the TV or the [Video2 In (yellow)] terminal on the side of the TV and the [Video Out (yellow)] on the back of the Satellite box.
 - 3** Connect the Audio cable between the [Left (white) - Audio- Right (red)] terminal on the side or back of the TV and [Audio Out (white/red)] terminal on the back of the Satellite box.
 - 4** Supply power to your TV and the Satellite box after making all the connections.
- Note** For a Satellite box with an S-VIDEO terminal, connect the video cable between the [S-Video In] on the TV and [S-Video Out] terminal on the Satellite box. For connection of the audio cables please follow the instructions above.

Viewing Satellite TV

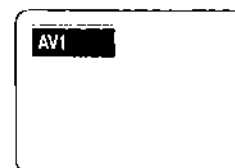


- 1** Turn your TV on, then press the [SOURCE] button to select <AV1> or <AV2>.
 - If <AV1> or <AV2> is unavailable, please check that the video cable is connected correctly.
- 2** Turn on the Satellite TV and select the channel of your choice using the Satellite remote control.

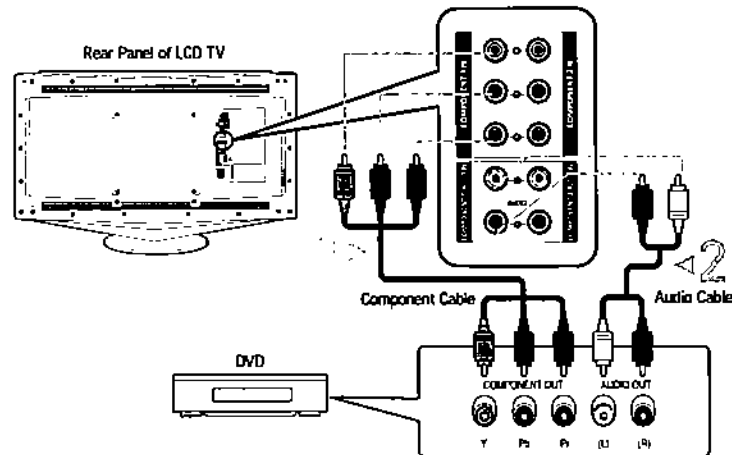


Note

- If you have connected the TV and the VCR using the S-Video cable, press the [SOURCE] button to select <S-Video1> or <S-Video2>.
- If you have connected the video cable to the [AV2] terminal, select <AV2>.
- Audio and video cables are sold separately.



Connecting a DVD Player



1 Connect the component cable between the [Component In1 (Y/Pb/Pr)] or [Component In2 (Y/Pb/Pr)] terminal on the back of the TV and the [Component Out] terminal on the back of the DVD player.

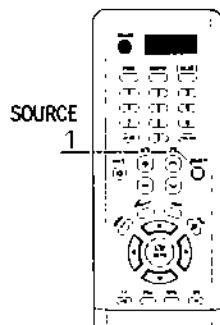
2 Connect the audio cable between the [Left (white) - Audio - Right (red)] terminal on the back of the TV and [Audio Out (white/red)] terminal on the DVD player.

3 Supply power to the TV and the DVD player after making all the connections.

Warning If Y, Pb, or Pr cables are cross wired when connecting the component cables, the picture will be red or blue or not appear at all.

Note Depending on the manufacturer, the DVD terminals may be identified as "Y, PB, PR" or "Y, B-Y, R-Y" or "Y, CB, CR".

Viewing a DVD Title



1 Turn on your TV, then press the [SOURCE] button to select <Component1> or <Component2>.

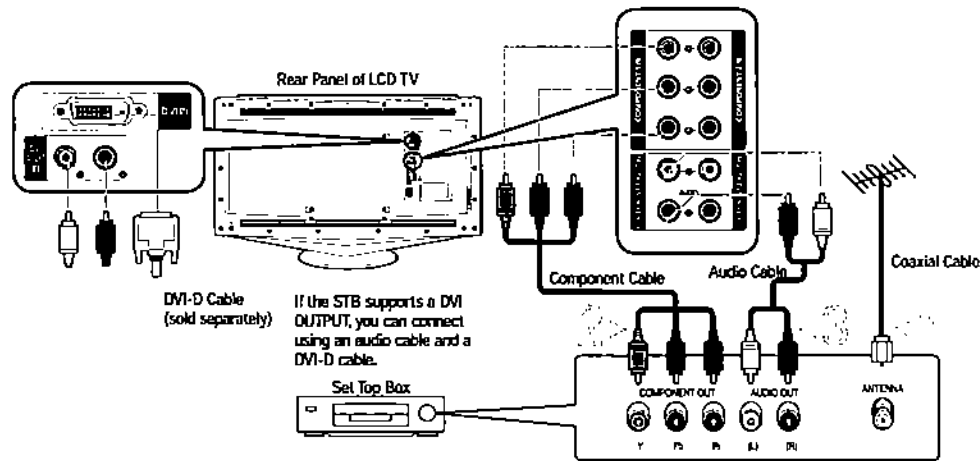
- If <Component1> or <Component2> is unavailable please check that the component cables are connected correctly.

2 Turn on the DVD player and press the [PLAY] button.

- Note**
- If you have connected the video cable to the [Component2] terminal instead of [Component1], press the [SOURCE] button to select <Component2>.
 - Component and audio cables are sold separately.

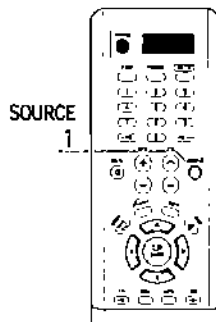


Connecting a Digital Set-Top Box (STB)



- 1 Connect the antenna cable to the antenna input terminal on the back of the Set Top Box.
 - 2 Connect the component cable between the [Component In1 (Y/Pb/Pr)] or the [Component In2 (Y/Pb/Pr)] terminal on the back of the TV and the [Component Out] terminal on the back of the Set Top Box.
 - 3 Connect the audio cable between the [Left (white) - Audio - Right (red)] terminals on the back of the TV and the [Audio Out (white/red)] terminal on the back of the Set Top Box.
 - 4 Supply power to the TV and the Set Top Box after making all the connections.
- Note**
If the Y, Pb, or Pr cables are cross wired when connecting the component cables, the picture will be red or blue.

Viewing a Digital Broadcasting Program



- 1 Turn your TV on, then press the [SOURCE] button to select <Component1> or <Component2>.
 - If <Component1> or <Component2> is unavailable, please check that the component cables are connected correctly.
- 2 Turn on the STB and select the mode of your choice.



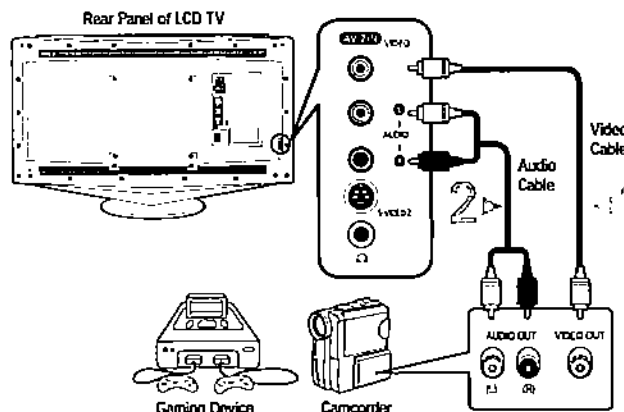
Note

- If you have connected the video cable to the [Component2] terminal instead of the [Component1] terminal, press the [SOURCE] button to select <Component2>.
- If you have connected using a DVI-D cable, press the [SOURCE] button to select <DVI>. In this case connect the audio cable to the [Left-Audio-Right] terminals below the DVI terminal.
- Component and audio cables are sold separately.

Connecting a Camcorder/Gaming Device

This applies to all external input devices that are to be connected using the video and audio terminals.

Connecting a Camcorder/Gaming Device



1 Connect the video cable between the [Video1In (yellow)] terminal on the back of the TV or the [Video2 In (yellow)] terminal on the side of the TV and the [Video Out (yellow)] terminal on the back of the Camcorder.

2 Connect the Audio cable between the [Left (white) - Audio- Right (red)] terminal on the side or back of the TV and [Audio Out (white/red)] terminal on the back of the Camcorder.

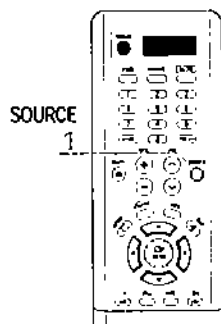
3 Supply power to your TV and the Camcorder after making all the connections.



Connect all other external input devices in the same manner as listed above.

Note Connecting to the [AV2 IN] terminal on the side of the TV will make it easy to use the camcorder or a gaming device.

Viewing a Camcorder Recording



1 Turn your TV on, then press the [SOURCE] button to select <AV1> or <AV2>.

- If <AV1> or <AV2> is unavailable, please check that the video cable is connected correctly.

2 Turn on the Camcorder and press the [PLAY] button.

- Please refer to the Camcorder User's Manual.



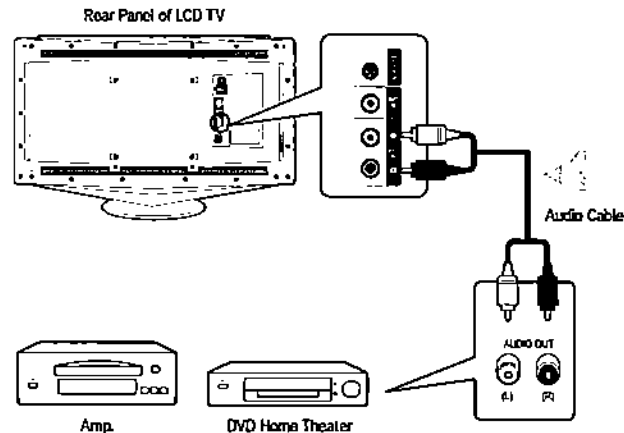
Note

- If you have connected the video cable to the [AV1] or [AV2] terminal, press the [SOURCE] button to select [AV1] or [AV2].
- Set the Gaming Device or other external input devices in the same way listed above.
- Audio and video cables are sold separately.

AV2

Connecting a Home Theater

Use the Monitor Out Audio terminal.



1 Connect the audio cable between the Monitor Out Audio (Left (white) -Audio- Right (red)) terminals and the DVD Home Theater (or AV Amp) (Audio In) terminal.

2 Press the [SOURCE] button to select the channel of your choice.

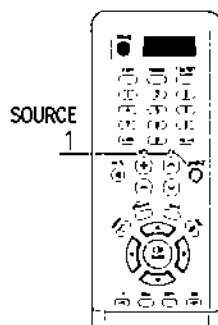
3 Press the [MUTE] button on the remote control to cut off the sound, then adjust the volume using the Home Theater volume button.



Note

For connecting speakers to the DVD Home Theater (or AV Amp) please refer to the instructions provided by the speaker manufacturer. In order to enjoy the sound from the Home Theater Speakers, press the [MUTE] button on the TV remote control, or press the [Volume] button to minimize the volume or to cut off the sound from the TV. Once you minimize the volume you can hear the sound from the Home Theater.

Viewing a Movie Using Your Home Theater System

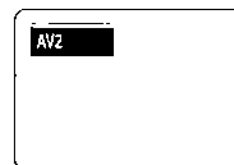


1 Turn your TV on, then press the [SOURCE] button to select <AV1> or <AV2>.

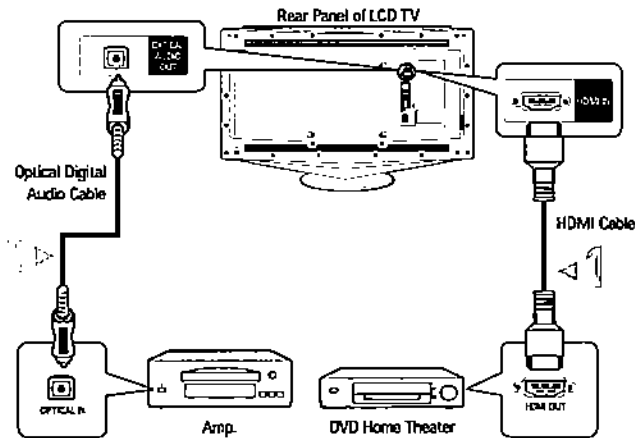
- If <AV1> or <AV2> is unavailable, please check that the video cable is connected correctly.

2 Turn on the DVD Home Theater, insert a disc and press the [PLAY] button.

- Adjust the volume using your Home Theater system (as the sound is cut off from the TV when viewing a DVD using your Home Theater system).



Connecting an HDMI Corresponding Device



HDMI Corresponding Device Output Terminal

Connect the HDMI cable between the [HDMI IN] on the back of the TV and the [HDMI OUT] of the DVD Home Theater system (or the HDMI Corresponding Device).

Turning on the Audio Device that Corresponds to the Optical Digital Audio Input

Connect the HDMI cable between the [HDMI Audio Out] terminal on the back of the TV and the [HDMI Audio In] terminal on the AV Amp.

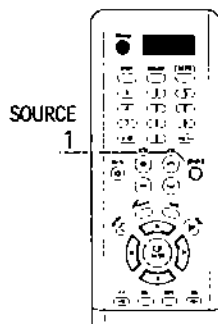
- For better sound quality, use an optical digital audio cord for an audio device that corresponds to the optical digital audio input.



Connect the Woofer terminal to the Woofer Speakers. The optical digital audio cable is sold separately.

Note

Viewing a HDMI Corresponding DVD Title



Turn your TV on, then press the [SOURCE] button to select <HDMI>.

- If <HDMI> is unavailable, please check that the HDMI cable is connected correctly.



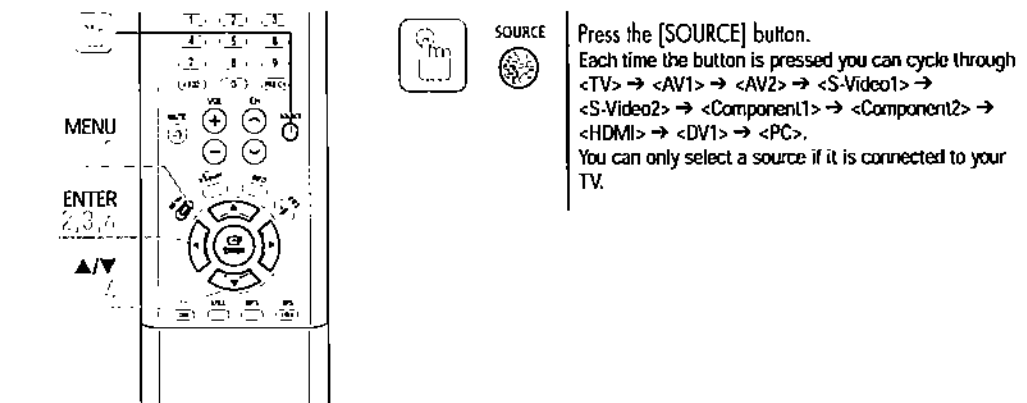
Note

- The HDMI cable is sold separately. Optical digital sound is only be available when HDMI has been selected.

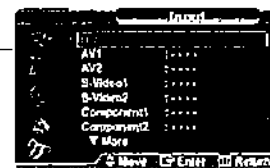
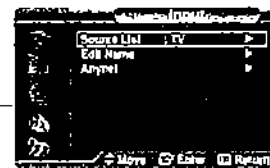


Source List Setup

Use the remote control to switch between viewing signals from connected equipment, such as VCRs, DVD, Set-Top box and the TV source (broadcast or cable).



- 1 Press the [MENU] button to display the menu.
- 2 Press the [ENTER] button to select <Input>.
The <Input> menu will be displayed.
- 3 Press the [ENTER] button to select <Source List>.
The input source list will be displayed.
- 4 Press the [▲/▼] buttons to move to the source of your choice, then press the [ENTER] button.
The selected source will be displayed.
Please check the connections if the source of your choice is unavailable.



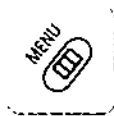
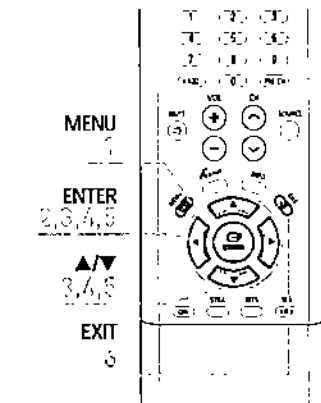
Source List Setup

Editing Input Source Names

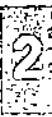
You can edit the name of the input devices connected.

Editing Input Source Names

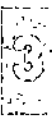
Editing Input Source Names



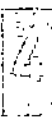
Press the [MENU] button to display the menu.



Press the [ENTER] button to select <Input>. The <Input> menu will be displayed.



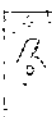
Press the [▲/▼] buttons to move to <Edit Name>, then press the [ENTER] button. The <Edit Name> screen will be displayed.



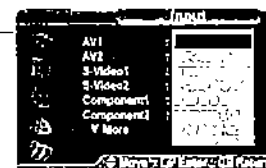
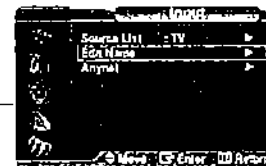
Press the [▲/▼] buttons to move to the source list to edit, then press the [ENTER] button.



Press the [▲/▼] buttons to move to the device of your choice, then press the [ENTER] button to set this device.



Press the [EXIT] button to finish.



• DHR: DVD HDD Receiver.

Note

Setting the Initialization

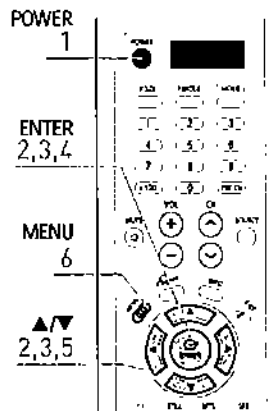
Setting Channels

Plug & Play Feature

When the television is turned ON for the first time, you can setup the Auto Programs and the Current Time.

Setting the Initialization

Plug & Play Feature



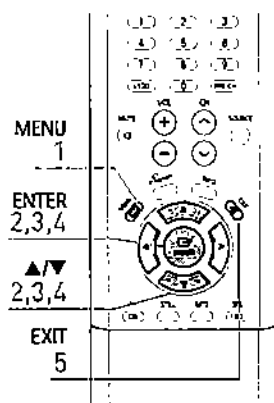
- 
1 Press the **POWER** button to turn on the TV.
The message "Plug & Play" is displayed.
In a moment the Language menu will be displayed.
- 
2 Press the **[▲/▼]** button to move to language of your choice, then press the **[ENTER]** button.
The <Signal Source Setup> menu will be displayed after a moment.
- 
3 Press the **[▲/▼]** button to move to Signal Source of your choice: <Air, STD, HRD and IRC>, then press the **[ENTER]** button.
The <Auto Program> menu will be displayed after a moment.
- 
4 Press the **[ENTER]** button then select <START>.
The TV will begin memorizing all of the available channels.
To stop, press the **[ENTER]** button again.
In a moment the <Clock Set> menu will be displayed.
- 
5 Press the **[▲/▼/◀/▶]** button to set the current time.
- 
6 Press the **[MENU]** button to finish.



Setting Channels

Selecting the Video Signal-Source

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the PDP (i.e., an antenna or a cable system).



Setting the Initialization

Selecting the Video Signal-Source

- 

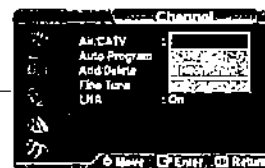
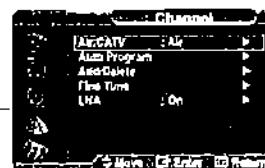
 Press the [MENU] button to display the menu.
- 

 Press the [▲/▼] button to move to <Channel>, then press the [ENTER] button to display the <Channel> menu.
- 

 Press the [▲/▼] button to move to <Air/CATV>, then press the [ENTER] button to display the signal source menu.
- 

 Press the [▲/▼] button to move to signal source of your choice, then press the [ENTER] button.
- 

 Press the [EXIT] button to finish.



• ???

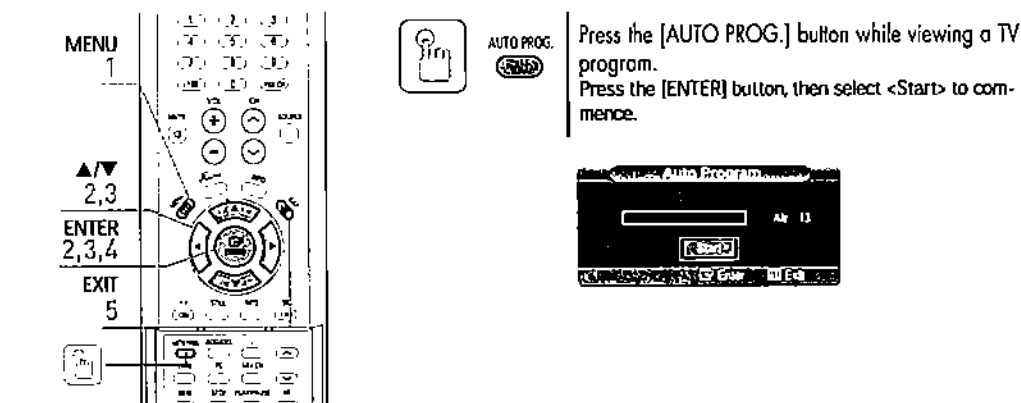
Note

Setting Channels

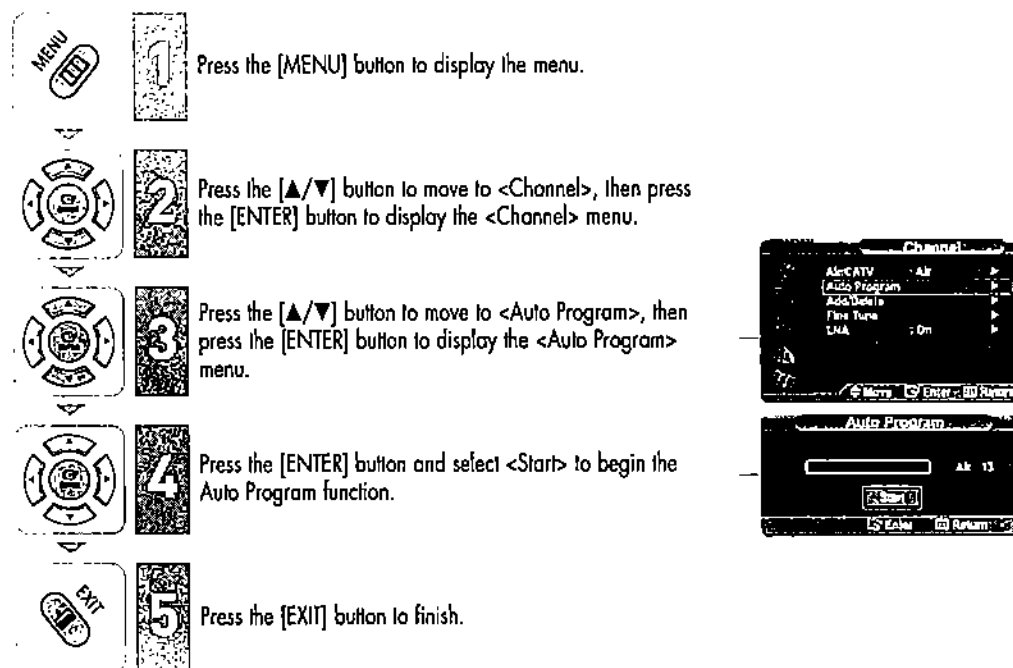
Storing Channels Automatically

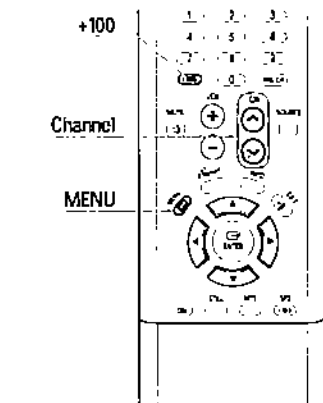
The AUTO PROGRAM feature automatically stores all of the available Air/CATV channels in the memory.

Setting the Initial Setup



Storing Channels Automatically





Saving the Initialization

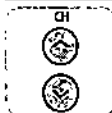
Storing Channels Automatically

To Stop the Auto Program Function



- Press the [MENU] button while the function is being executed.
- Also you can press the ENTER button to stop the setup.

Checking which Channels are Stored in the Memory



- Press the [Channel] button.
- Only the channels stored in the memory will be selected (in order).

Selecting Channels Over 100



- Press the [+100] button followed by the rest of the number.
- For example, press +100 → [0] → [8] to select Cable Channel 108.



Note

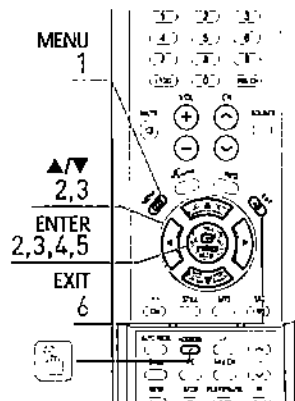
- All available channels will be displayed if there are fewer than two channels stored in the memory.

Setting Channels

Adding Channels

You can add the channels of your choice to the memory.

Setting the Initialization



ADD/DEL

Press the channel number of your choice, then press the [ADD/DEL] button.

For Example: To add Channel 3 to the memory, press [0] → [3], then press the [ADD/DEL] button, then press the [ENTER] button.

Adding Channels



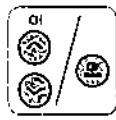
Press the [MENU] button to display the menu.



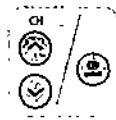
Press the [▲/▼] button to move to <Channel>, then press the [ENTER] button to display the <Channel> menu.



Press the [▲/▼] button to move to <Add/Delete>, then press the [ENTER] button. The Add/Delete menu will be displayed.



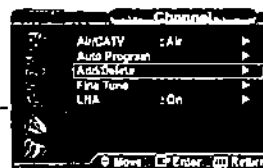
Press the [Channel] button to select <a channel to store>, then press the [ENTER] button. The channel status will be changed from <Not in Memory> to <In Memory>.



Repeatedly press the [Channel] button to select the channels you wish to store, then press the ENTER button to continue.



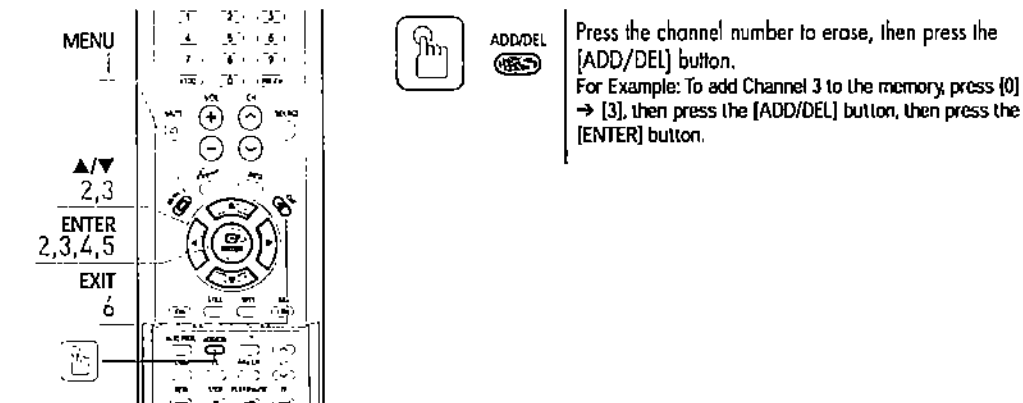
Press the [EXIT] button to finish.



Setting Channels

Erasing Channels

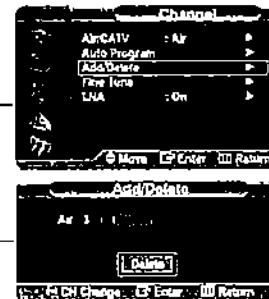
You can erase any channel you choose from the memory.



Setting Initialization

Erasing Channels

- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] button to move to <Channel>, then press the [ENTER] button to display the <Channel> menu.
- 3 Press the [▲/▼] button to move to <Add/Delete>, then press the [ENTER] button. The Add/Delete menu will be displayed.
- 4 Press the [Channel] button to select <a channel to erase>, then press the [ENTER] button. The channel status will be changed from <Not in Memory> to <In Memory>.
- 5 Repeatedly press the [Channel] button to select the channels to erase, then press [ENTER] to continue.
- 6 Press the [EXIT] button to finish.



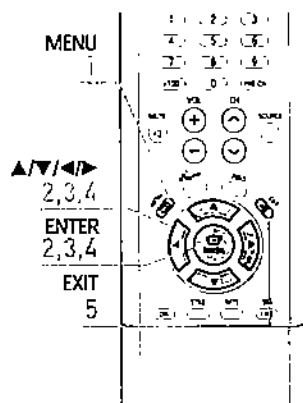
Setting Channels

Fine Tuning the Channels

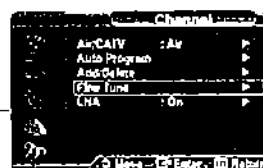
If you experience intermittent lines, blurry colors or unstable picture quality, you can fine tune the channel for optimal picture quality.

Setting the Initialization

Fine Tuning the Channels



- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] button to move to <Channel>, then press the [ENTER] button to display the <Channel> menu.
- 3 Press the [▲/▼] button to move to <Fine Tune>, then press the [ENTER] button to display the <Fine Tune> window.
- 4 Press the [◀/▶] buttons to adjust the fine tuning, then press the [ENTER] button to save the adjustment.
 - Adjust the number until the best condition is reached. i.e. This is an example of the Fine Tuning set at <3>.
- 5 Press the [EXIT] button to finish.



Resetting the Fine Tuning

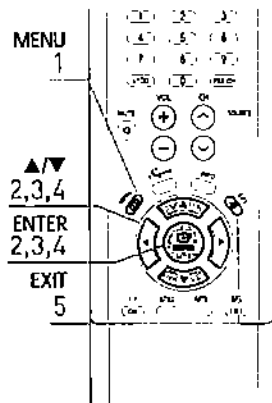
Instead of following Step 4 above, press the [▲/▼] buttons to select <Reset>, then press the [ENTER] button. The number will change to <0> and the Fine Tuning is off.



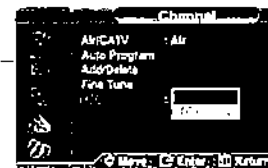
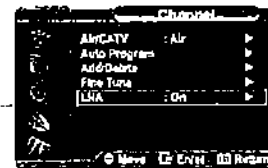
Customizing the Picture

Setting the LNA (Low Noise Amplifier)

If loud noise occurs on a particular channel the LNA function can be turned ON or OFF to improve the reception.



- 
1 Press the [MENU] button to display the menu.
- 
2 Press the [▲/▼] button to move to <Channel>, then press the [ENTER] button to display the <Channel> menu.
- 
3 Press the [▲/▼] button to move to <LNA>, then press the [ENTER] button to display the <LNA> selections.
- 
4 Press the [▲/▼] button to select <On>, then press the [ENTER] button to set the LNA function.
 - Select <Off> to deselect the LNA function.
- 
5 Press the [EXIT] button to finish.



Setting the Initialization

Setting the LNA (Low Noise Amplifier)

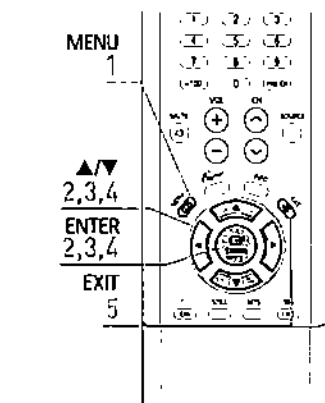
Choosing a Menu Language

You can select a MENU language.

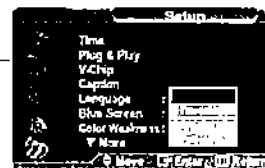
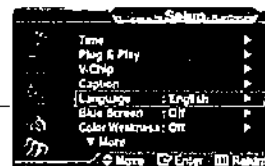
English, Français, Español or Português is available for the MENU language.



Choosing a Menu Language

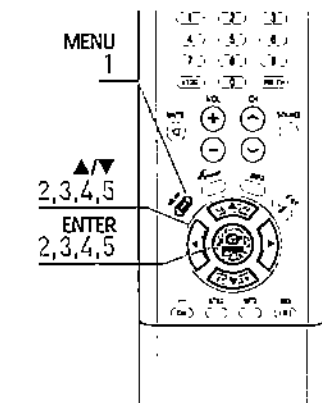


- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] button to move to <Setup>, then press the [ENTER] button to display the SETUP menu.
- 3 Press the [▲/▼] button to move to <Language>, then press the [ENTER] button to display the <Language> selection.
- 4 Press the [▲/▼] button to select the language of your choice, then press the [ENTER] button to change the menu language.
- 5 Press the [EXIT] button to finish.



Viewing Closed Captions

Your TV decodes and displays the closed captions that are broadcast with certain TV shows. These captions are usually subtitles for the hearing impaired or foreign-language translations. All VCRs record the closed caption signal from television programs, so home-recorded video tapes also provide closed captions. Most pre-recorded commercial video tapes provide closed captions as well. Check for the closed caption symbol in your television schedule and on the tape's packaging: **CC**.



1

Press the [MENU] button to display the menu.



2

Press the [▲/▼] buttons to move to <Setup>, then press the [ENTER] button to display the <Setup> menu.



3

Press the [▲/▼] buttons to move to <Caption>, then press the [ENTER] button.

- The <Caption> menu appears.



4

After pressing the [ENTER] button, press the [▲/▼] buttons to move to <On>, then press the [ENTER] button.

- <Caption> is set to On.
- <Caption> mode is exited if Off is selected.



5

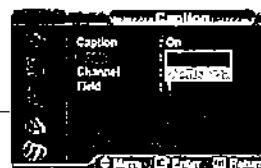
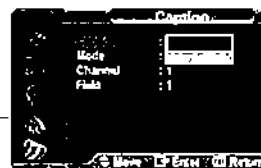
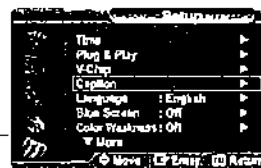
Press the [▲/▼] buttons to move to <Mode>, then press the [ENTER] button.

- Select desired Mode by using the [▲/▼] buttons, then press the [ENTER] button.



Note

- In "Caption" mode, caption appears at the bottom of the screen, and they usually cover only a small portion of the picture.
- In "Text" mode, information unrelated to the program, such as news or weather, is displayed. Text often covers a large portion of the screen.

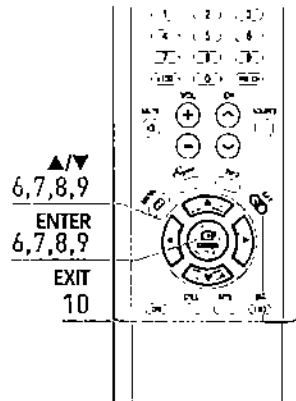


Setting the Initial Location

Viewing Closed Captions

Viewing Closed Captions

Setting the Initialization



Viewing Closed Captions



6

Press the [▲/▼] buttons to select <Channel>, then press the [ENTER] button.



7

Press the [▲/▼] buttons to select <1> or <2>, then press the [ENTER] button.



8

Press the [▲/▼] buttons to select <Field>, then press the [ENTER] button.



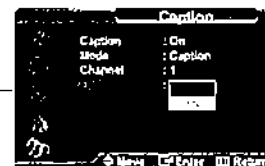
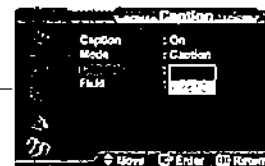
9

Press the [▲/▼] buttons to select <1> or <2>, then press the [ENTER] button.



EXIT

Press the [EXIT] button to finish.



Note

- Different channels and fields display different information: "Field 2" carries additional information that supplements the information in "Field 1". (For example, "Channel 1" may have subtitles in English, while "Channel 2" has subtitles in Spanish.)
- The Caption function doesn't operate when the PIP is active.
- Misspellings and unusual characters sometimes occur during closed caption transmissions, especially those of live events. There may be a small delay before captions appear when you change channels. These are not malfunctions of the TV.

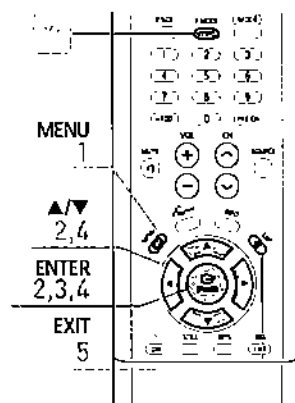
Setting the Picture

???

Selecting a Picture Mode

You can change the picture settings to "Dynamic", "Standard", "Movie" or "Custom" to suit the circumstances.

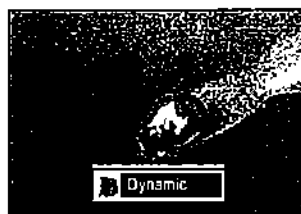
Selecting a Picture Mode



P.MODE

Press the [P.Mode] button.

Keep pressing the button to cycle through the settings in the order of <Dynamic>, <Standard>, <Movie> and <Custom>.



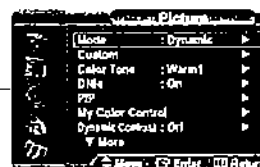
Selecting a Picture Mode



Press the [MENU] button to display the menu.



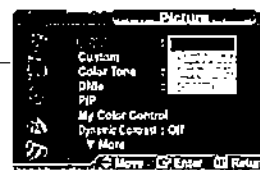
Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.



Press the [ENTER] button to select <Mode>.



Press the [▲/▼] buttons to move to the desired picture mode, then press the [ENTER] button.
• Keep pressing the [▲/▼] buttons to cycle through the settings in the order of "Dynamic", "Standard", "Movie" and "Custom".



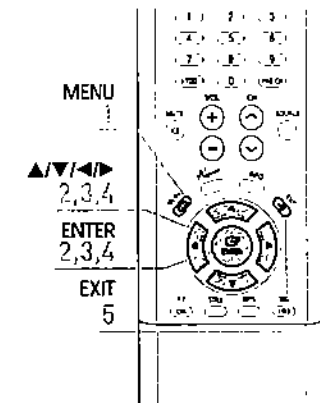
Press the [EXIT] button to finish.

Picture Mode

Dynamic	Choose Dynamic to increase the clarity and sharpness of the picture.
Standard	Choose Standard if viewing in a well-lit room for optimum sharpness of the picture.
Movie	Choose Movie when viewing in a dark room to lessen eye strain.
Custom	Choose Custom to view using your preferred settings. ▶ See page ??

Customizing the Picture Settings

You can change the contrast, brightness, sharpness, color and tint to suit your preferences.



Press the [MENU] button to display the menu.



2

Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.



3

Press the [▲/▼] button to move to <Custom>, then press the [ENTER] button to display the <Custom> menu.



4

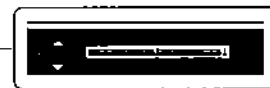
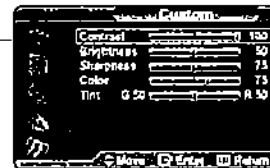
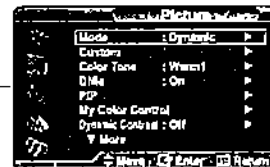
Press the [▲/▼] button to move to the mode of your choice, then press the [ENTER] button. When the mode of your choice is selected, press the [◀/▶] button to make an adjustment.

- During the adjustment a status window will be displayed. The window will disappear after about 7 seconds once the adjustment is complete.



5

Press the [EXIT] button to finish.

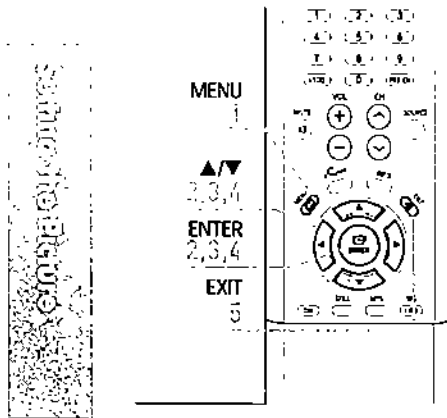


Picture Mode

Contrast	Adjusts the lightness and darkness between objects and the background.
Brightness	Adjusts the brightness of the whole screen.
Sharpness	Adjusts the outline of objects to either sharpen it or make it more dull.
Color	Adjusts the colors making them lighter or darker.
Tint	Adjusts the color of objects making them more red or green for a more natural look.

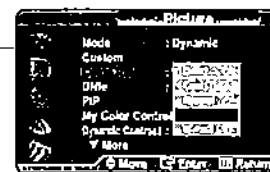
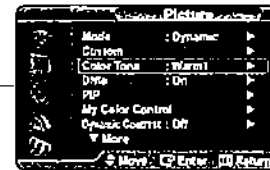
Adjusting the Background Color

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



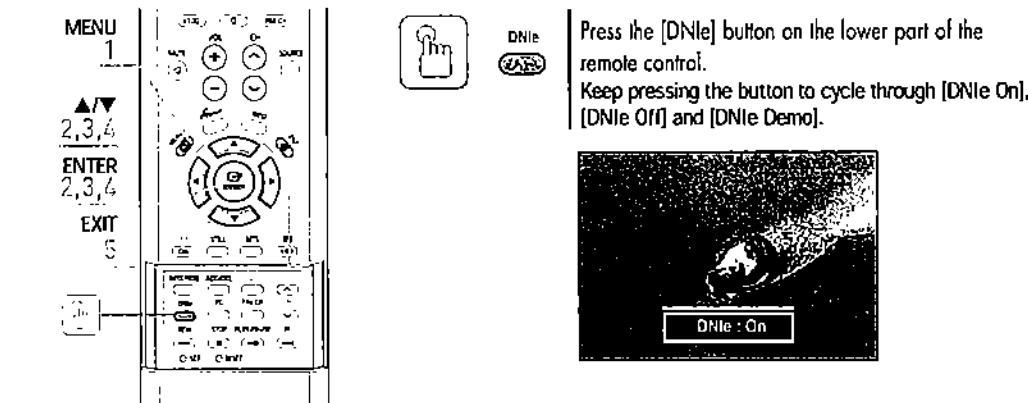
Adjusting the Background Color

- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] button to move to <Color Tone>, then press the [ENTER] button to display the <Color Tone> menu.
- 4 Press the [▲/▼] buttons to move to <Color Tone>, then press the [ENTER] button.
 - Keep pressing the button to cycle through the tones in the order of "Cool2", "Cool1", "Normal", "Warm1" and "Warm2".
- 5 Press the [EXIT] button to finish.

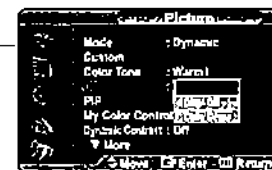
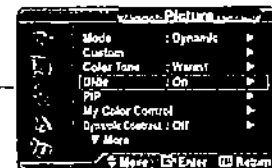


Setting the DNle

The DNle (Digital Natural Image engine) function is unique to Samsung bringing you brighter, sharper and finer picture images.



- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <DNle>, then press the [ENTER] button.
- 4 Press the [▲/▼] buttons to move to <DNle On>, then press the [ENTER] button.
 - If you select <DNle Demo>, the screen shows the improved image <DNle On> on the left-hand side and the original image <DNle Off> on the right-hand side.
- 5 Press the [EXIT] button to finish.



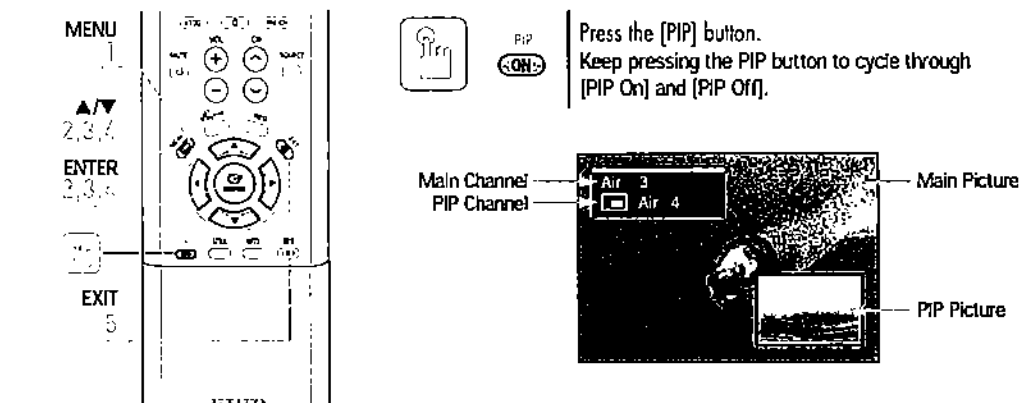
Setting the Picture

Setting the DNle

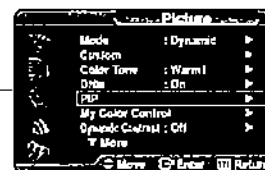
Picture-in-Picture Function

Picture-in-Picture Function

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



- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <PIP>, then press the [ENTER] button to display the PIP menu.
• Press the [ENTER] button to select PIP.
- 4 Press the [▲/▼] buttons to move to <On>, then press the [ENTER] button to set the PIP.
• Select <Off> to deselect the PIP mode.
- 5 Press the [EXIT] button to finish.



PIP Setting

O: PIP Enabled, Swapping Enabled
X: PIP Disabled

Video Source	TV	AV1	AV2	S-Video1	S-Video2	Component1	Component2	HDMI	DVI	PC
TV	O	O	O	O	O	O	O	O	O	O
AV1	O	X	O	O	O	O	O	O	O	O
AV2	O	O	X	O	O	O	O	O	O	O
S-Video1	O	O	O	X	O	O	O	O	O	O
S-Video2	O	O	O	O	X	O	O	O	O	O
Component1	O	O	O	O	O	X	X	O	O	X
Component2	O	O	O	O	O	X	X	O	O	X
HDMI	O	O	O	O	O	O	O	X	X	O
DVI	O	O	O	O	O	O	O	X	X	O
PC	X	X	X	X	X	X	X	X	X	X



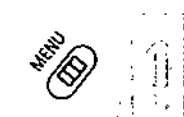
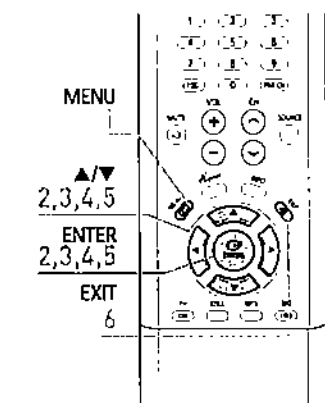
Note

- While the PIP is in operation the size of the main picture will change to Widescreen format.
- If one of the screens is in PC mode the SWAP function will not work.
- Check if the V-Chip Lock (see to page 88) is On if the PIP On/Off will not function. PIP does not function when the V-Chip Lock is set to On. Change the setting to Off and try it again.

Picture-in-Picture Function

Changing the Contents of the PIP Image

You can alternate between the external input devices connected to your TV in the PIP window.



Press the [MENU] button to display the menu.



Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.



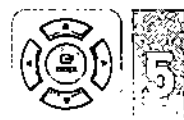
Press the [▲/▼] buttons to move to <PIP>, then press the [ENTER] button to display the PIP menu.

- Select the PIP On. ▶See page 52



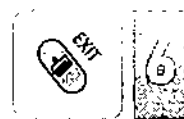
Press the [▲/▼] buttons to move to <Source>, then press the [ENTER] button.

- The list of <Input Sources> which can be shown in the PIP will be displayed.

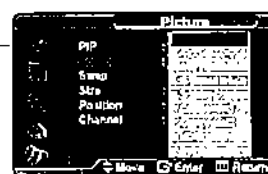


Press the [▲/▼] buttons to move to an input source connected to your TV, then press the [ENTER] button.

- <Source> will be selected.



Press the [EXIT] button to finish.



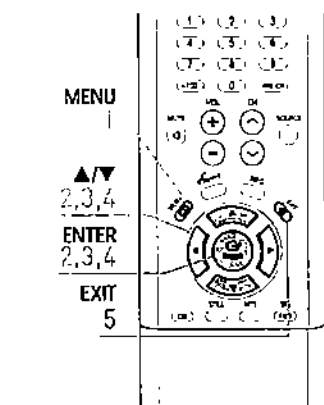
Picture-in-Picture Function

Swapping the Main Image and PIP Image

You can swap the image in the PIP window and the image on the main screen.

Setting the PIP

Picture-in-Picture Function



Press the [MENU] button to display the menu.



Press the [$\blacktriangle/\blacktriangledown$] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.



Press the [$\blacktriangle/\blacktriangledown$] buttons to move to <PIP>, then press the [ENTER] button to display the PIP menu.

- Select the PIP On. ▶ See page 52

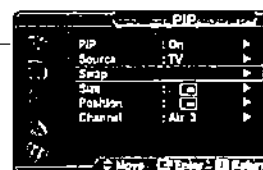


Press the [$\blacktriangle/\blacktriangledown$] buttons to move to <Swap>, then press the [ENTER] button.

- Each time you press the [ENTER] button the PIP image and Main image will be swapped.



Press the [EXIT] button to finish.



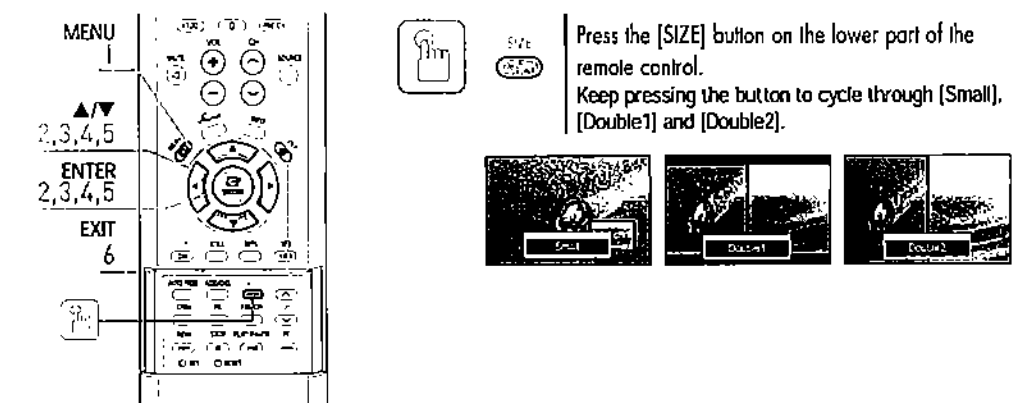
Note

If one of the screens is in PC mode the SWAP function will not work.

Picture-in-Picture Function

Changing the Size of the PIP Window

You can change the size of the PIP window.



Setting the Picture

Picture-in-Picture Function

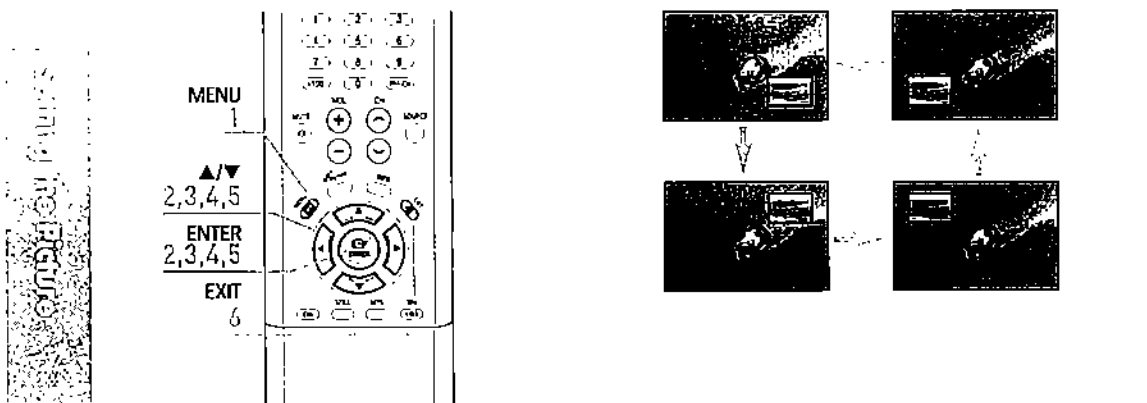
- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <PIP>, then press the [ENTER] button to display the PIP menu.
• Select the PIP On. ▶ See page 52
- 4 Press the [▲/▼] buttons to move to <Size>, then press the [ENTER] button to display the <Size> selections.
- 5 Press the [▲/▼] buttons to move to a size of your choice, then press the [ENTER] button to change the size of the PIP window.
- 6 Press the [EXIT] button to finish.



Picture-in-Picture Function

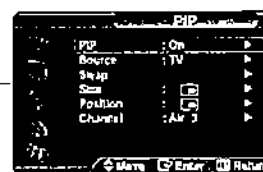
Changing the Position of the PIP window

You can alternate the position of the PIP window between the four corners of the screen.



Picture-in-Picture Function

- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <PIP>, then press the [ENTER] button to display the PIP menu.
• Select the PIP On. ▶ See page 52
- 4 Press the [▲/▼] buttons to move to <Position>, then press the [ENTER] button to display the <Position> selections.
- 5 Press the [▲/▼] buttons to move to the position of your choice, then press the [ENTER] button to change the position of the PIP window.
- Press the [EXIT] button to finish.

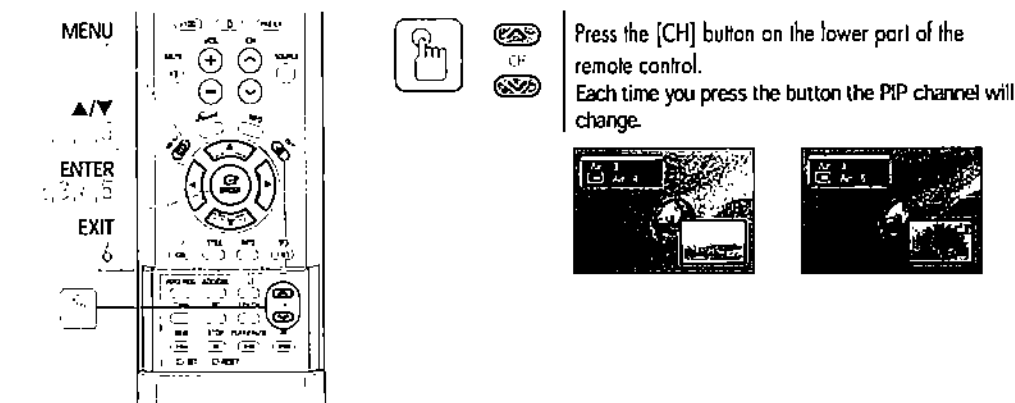


Note
You cannot select Position when the size of the PIP window is in the Double 1 or Double 2 modes.

Picture-in-Picture Function

Changing the PIP Channel

You can change the PIP channel.



- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <PIP>, then press the [ENTER] button to display the PIP menu.
• Select the PIP On. ▶ See page 52
- 4 Press the [▲/▼] buttons to move to <Channel>, then press the [ENTER] button to display the Channel selections.
- 5 Press the [▲/▼] buttons to move to a channel of your choice, then press the [ENTER] button to change the PIP channel.
- 6 Press the [EXIT] button to finish.



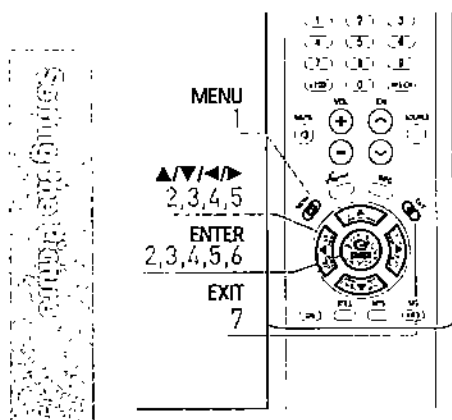
Setting the PIP

Picture-in-Picture Function

Setting the My Color Control

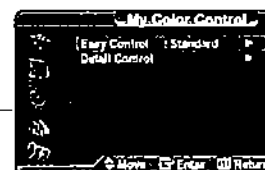
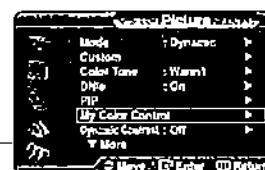
My Color Control

Blue, Green and Pink tones are easily adjustable to suit your preferences.

**My Color Control?**

My Color Control allows users to adjust colors to according to their preferences, by adjusting Blue, Green and Pink tones using the predefined settings (Blue, Green, Pink, Standard and Custom) without affecting the other colors in the picture.

- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <My Color Control>, then press the [ENTER] button to display the <My Color Control> menu.
- 4 Press the [▲/▼] buttons to move to <Easy Control>, then press the [ENTER] button to select <Easy Control> mode.
- 5 Press the [◀/▶] buttons to select among the various picture settings.
 - The original picture is shown on the left side, while the selected mode is shown on the right side.
- 6 When the mode of your preference is shown on the right side, press the [ENTER] button.
 - The selected mode is now set and fills the screen.
- 7 Press the [EXIT] button to finish.



- Note**
- There are three My Color Control modes: Blue, Green, Pink, Standard and Custom.
 - The My Color Control function can only be used while in DNIe mode.
 - It does not work in PC mode.

My Color Control Mode Characteristics

Using My Color Control mode, you can enjoy the vivid colors shown below.



Standard Picture



Emphasizing Clear Blues
Feel the clear sun shine on the blue
Mediterranean Sea.



Emphasizing Mild Greens
Feel the Southern Pacific's romance
and a turquoise sea.



Emphasizing Warm Skin Colors

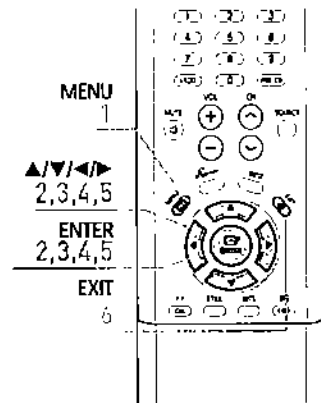
Southern Pacific

My Color Control

Setting the My Color Control

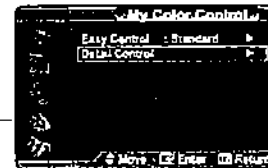
My Color Control Custom Settings

Setting the Picture



My Color Control Custom Settings

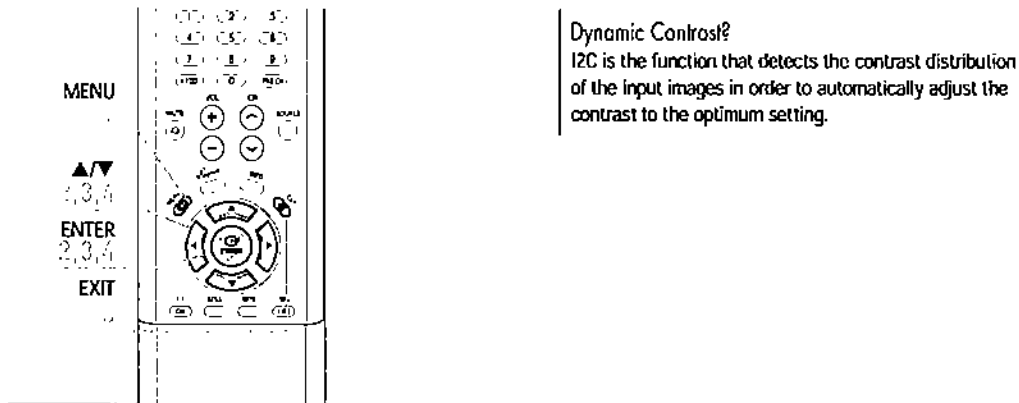
- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <My Color Control>, then press the [ENTER] button to display the <My Color Control> menu.
- 4 Press the [▲/▼] buttons to move to <Detail Control>, then press the [ENTER] button to display the <Detail Control> menu.
- 5 Press the [▲/▼] buttons to move to the desired color, press the [ENTER] button, then press the [◀/▶] button to adjust the desired color.
- 6 Press the [EXIT] button to finish.



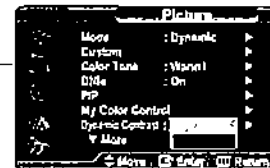
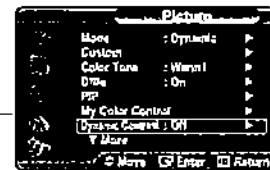
Note

- To return to the factory default settings, press the [▲/▼] button to select <Reset>.
- This function can only be used in DNIa mode.
- It does not work in PC mode.

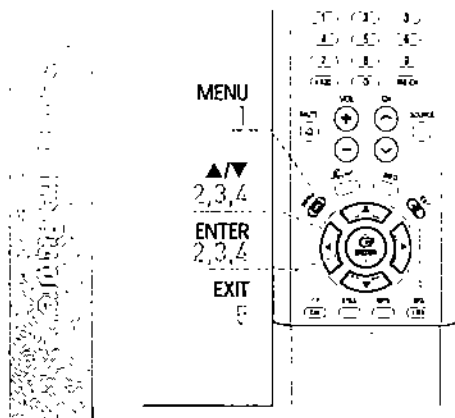
Dynamic Contrast Settings



- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <Dynamic Contrast>, then press the [ENTER] button to display the <Dynamic Contrast> menu.
- 4 Press the [▲/▼] buttons to move to <On>, then press the [ENTER] button to set the Dynamic Contrast function.
• Select <Off> to deselect the Dynamic Contrast function.
- 5 Press the [EXIT] button to finish.



Brightness Sensor Settings

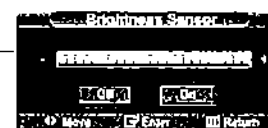
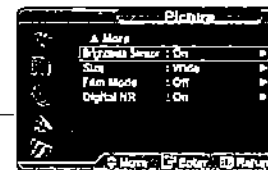


Brightness Sensor?

Brightness Sensor enables comfortable viewing without eye strain by providing the optimal image brightness by automatically detecting the surrounding lighting conditions.

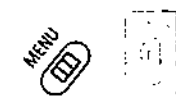
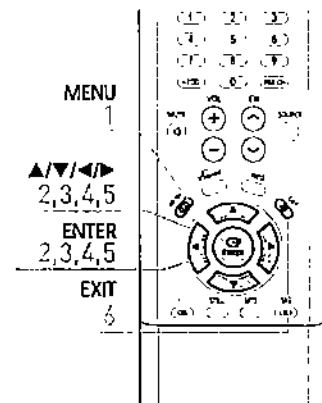
Brightness Sensor Settings

- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <Brightness Sensor>, then press the [ENTER] button to select <Brightness Sensor>.
- 4 Press the [◀/▶] buttons to move to <On>, then press the [ENTER] button to set the Brightness Sensor function.
• Alternatively select <Off> to deselect the Brightness Sensor function.
- 5 Press the [EXIT] button to finish.



Setting the Color Weakness Enhancement Mode

This option adjusts the Red, Blue or Green color to enhance the image according to the user's particular color weakness.



1 Press the [MENU] button to display the menu.



2 Press the [▲/▼] buttons to move to <Setup>, then press the [ENTER] button to display the <Setup> menu.



3 Press the [▲/▼] buttons to move to <Color Weakness>, then press the [ENTER] button to display the <Color Weakness> menu.



4 Press the [ENTER] button again, and press the [▲/▼] button to move to <On>, then press the [ENTER] button.

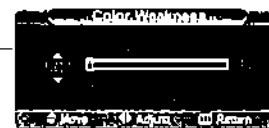
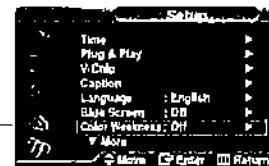


5 Press the [▲/▼] buttons to move to a color to adjust, then press the [ENTER] button. When the desired item is selected, press the [◀/▶] button to adjust to your preference.

- An additional window will appear during the adjustment.
- This window will disappear after about 7 seconds when the adjustment is complete.



6 Press the [EXIT] button to finish.

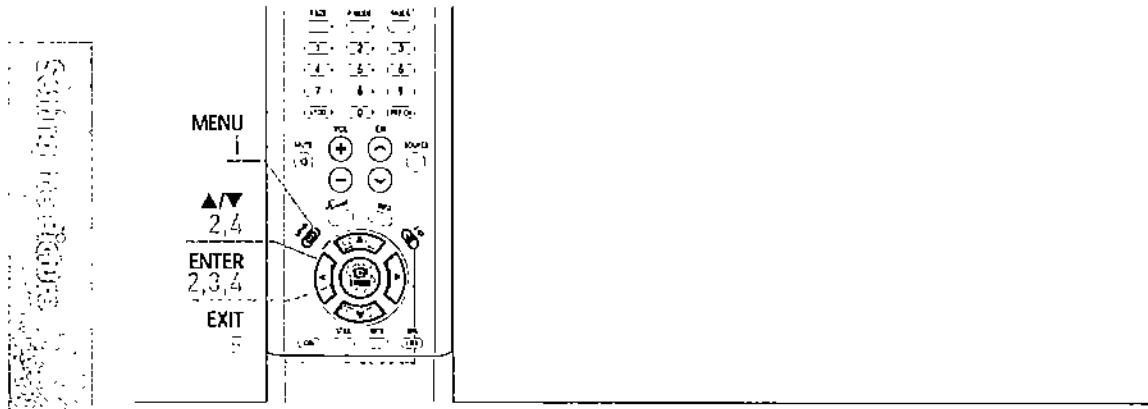


Note

- This function can only be used in DNIe mode.
- It does not work in PC mode.

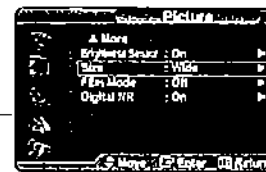
Changing the Screen Size

You can change the size of the screen according to the image.

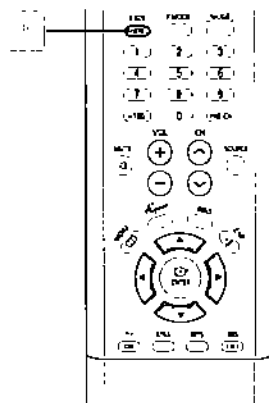


Changing the Screen Size

- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <Size>, then press the [ENTER] button to display the <Size> selections.
- 4 Press the [▲/▼] buttons to move to the size of your choice, then press the [ENTER] button to set the screen size.
- 5 Press the [EXIT] button to finish.



Note In [PC] and [DVI] mode, only <Wide> and <4:3> sizes are available.



P.SIZE



Press the [P.SIZE] button to change the screen size. Each time you press the button the size will change in the order of <Wide>, <Panorama>, <Zoom1>, <Zoom2> and <4:3>.

Changing the Picture Size

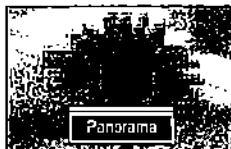
Wide

Sets the picture to 16:9 Wide Mode suitable for DVD or wide pictures.



Panorama

Use this mode to change from 16:9 to 4:3 mode.



Zoom1

Magnifies the 16:9 mode to fill the full screen.

Press the [▲/▼] button to move the picture up or down.



Zoom2

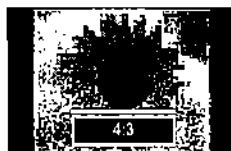
Magnifies the size of the screen in Zoom1 mode.

Press the [▲/▼] button to move the picture up or down.



4:3

Sets the video or current picture to 4:3 standard mode.



Caution

???



Note

- Zoom mode is only enabled when the input source is TV, AV, S-Video or Component.
- Panorama, Zoom 1 or Zoom 2 is disabled in PC or DVI mode.
- The screen size can be adjusted in each input mode, and the PIP is only enabled in Wide mode.
- The Panorama mode is disabled in Component modes (480p, 720p, 1080i, 1080p).

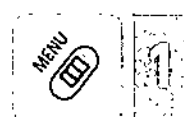
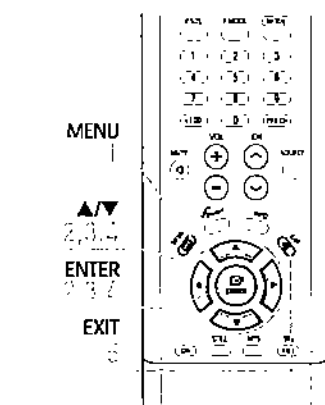
Changing the Screen Size

Film Mode Setup

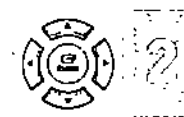
Use Film Mode for the best picture quality when viewing a film. Select Film Mode and enjoy a film.

Setting the Picture Mode

Film Mode Setup



Press the [MENU] button to display the menu.



Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.



Press the [▲/▼] buttons to move to <Film Mode>, then press the [ENTER] button to display the <Film Mode> selections.



Press the [▲/▼] buttons to move to <On>, then press the [ENTER] button to set to Film Mode.
• Select <Off> to deselect Film Mode.



Press the [EXIT] button to finish.

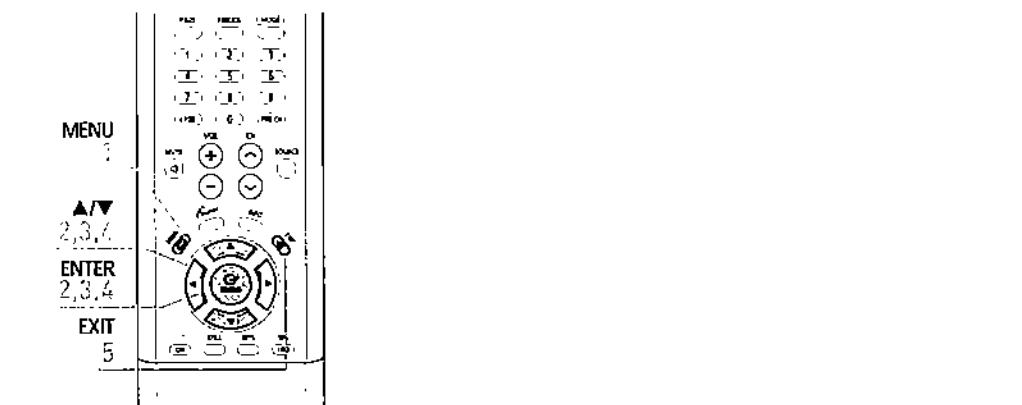


Film Mode is only enabled in Video, S-Video or Component (480i) mode.

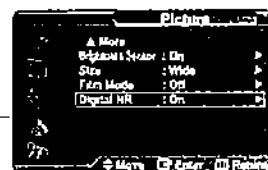
Note

Digital Noise Reduction

If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.



- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Picture>, then press the [ENTER] button to display the <Picture> menu.
- 3 Press the [▲/▼] buttons to move to <Digital NR>, then press the [ENTER] button to display the <Digital NR> selections.
- 4 Press the [▲/▼] buttons to move to <On>, then press the [ENTER] button to select the Digital NR function.
• Select <Off> to deselect the Digital NR function.
- 5 Press the [EXIT] button to finish.

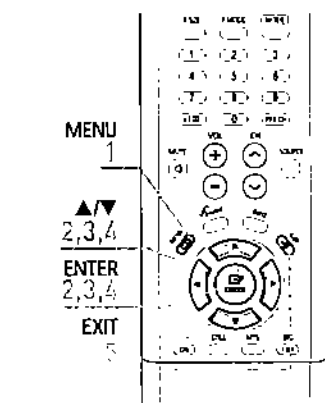


Setting the Picture

Digital Noise Reduction (DNR)

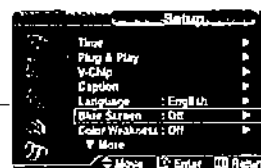
Blue Screen Mode Setup

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture.
If the signal becomes strong the normal screen replaces the blue screen.

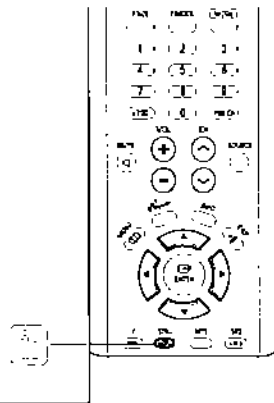


Blue Screen Mode Setup

- 1 Press the [MENU] button to display the menu.
- 2 Press the [▲/▼] buttons to move to <Setup>, then press the [ENTER] button to display the <Setup> menu.
- 3 Press the [▲/▼] buttons to move to <Blue Screen>, then press the [ENTER] button to display the <Blue Screen> selections.
- 4 Press the [▲/▼] buttons to select <On>, then press the [ENTER] button to select the Blue Screen function.
• Select <Off> to deselect the Blue Screen function.
- 5 Press the [EXIT] button to finish.



Freezing the Picture



STILL

Press the STILL button.
Press again to toggle between ON and OFF.



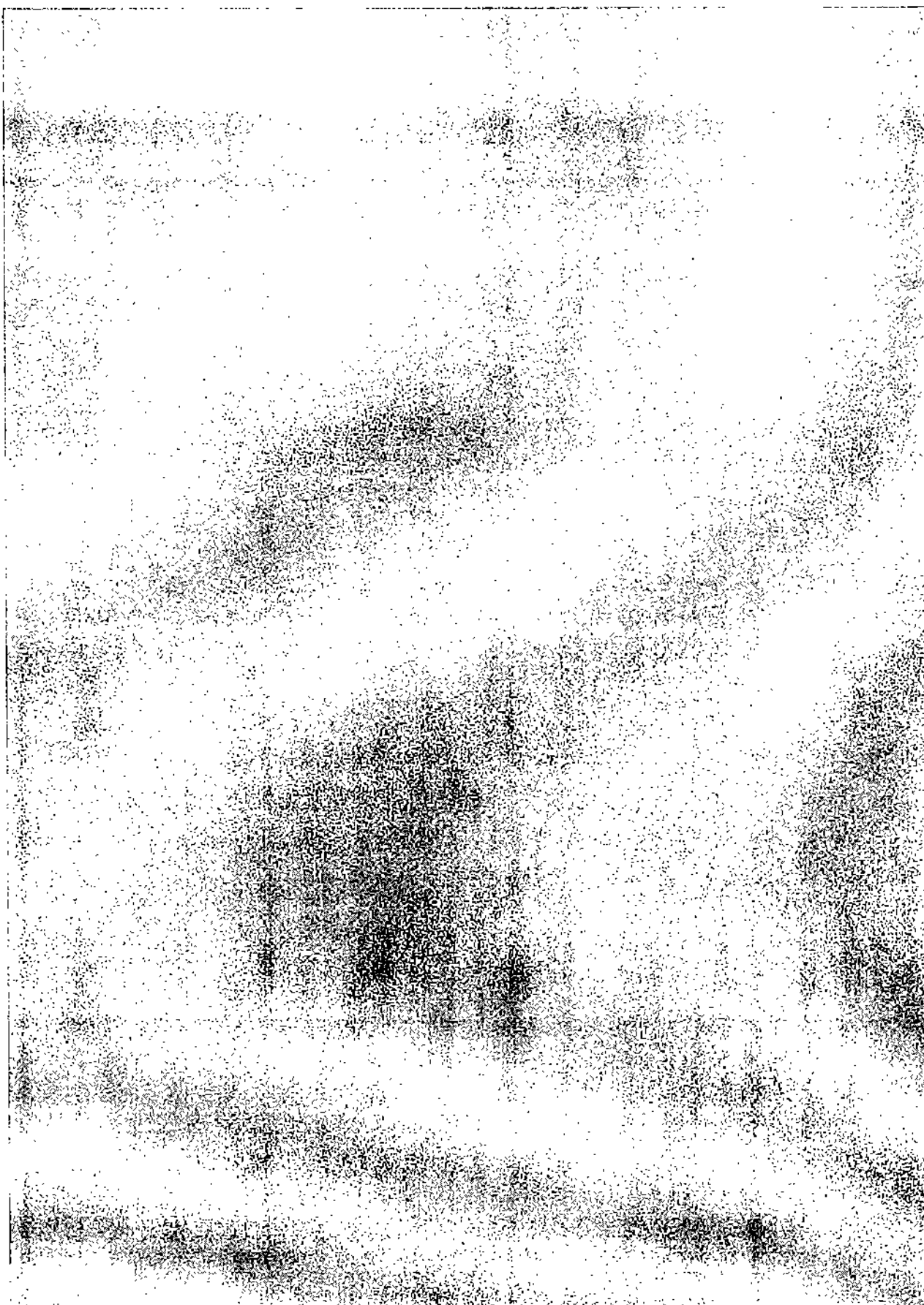
Normal sound will still be heard when the picture is frozen.

Note

Freezing the Picture

Freezing the Picture

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