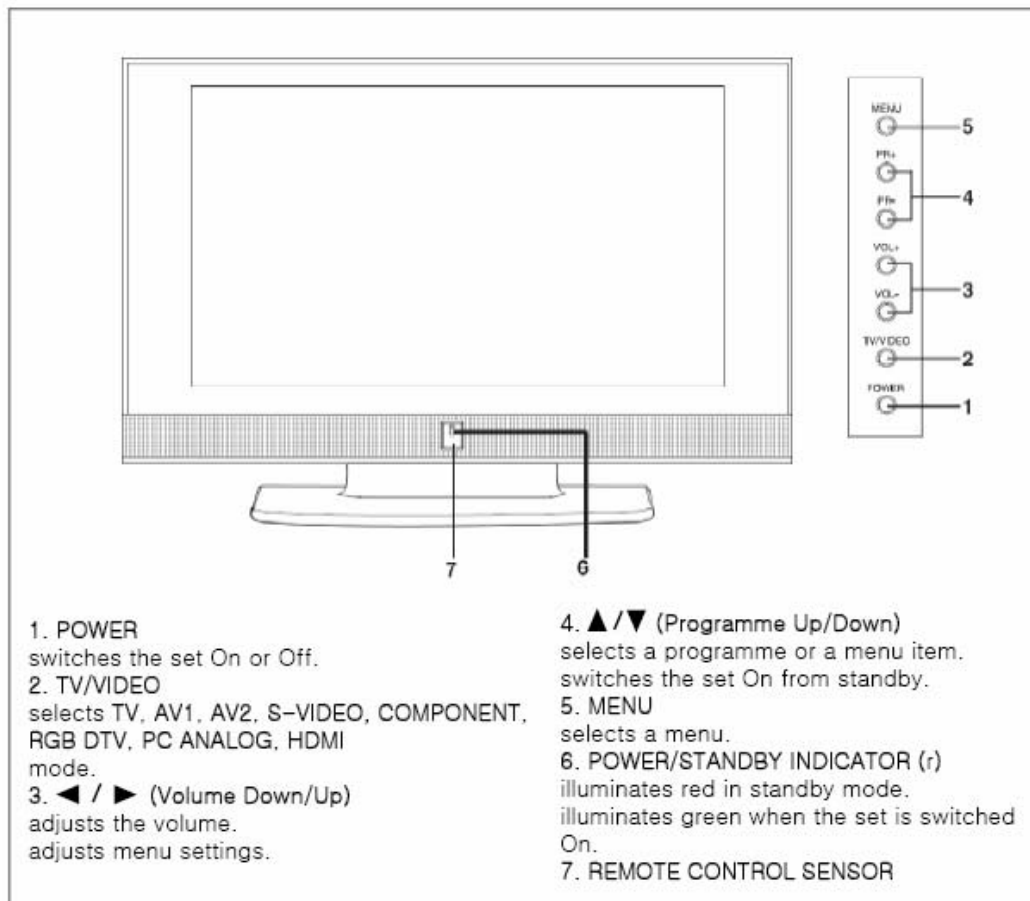


Appendix 6. Operational Description

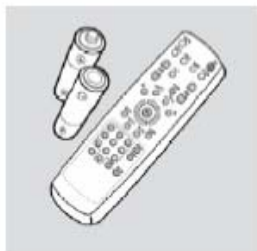
Front panel and parts



Checking the parts

(The picture of the product may vary depending on the model)

Remote Control / Battery



Power Cable

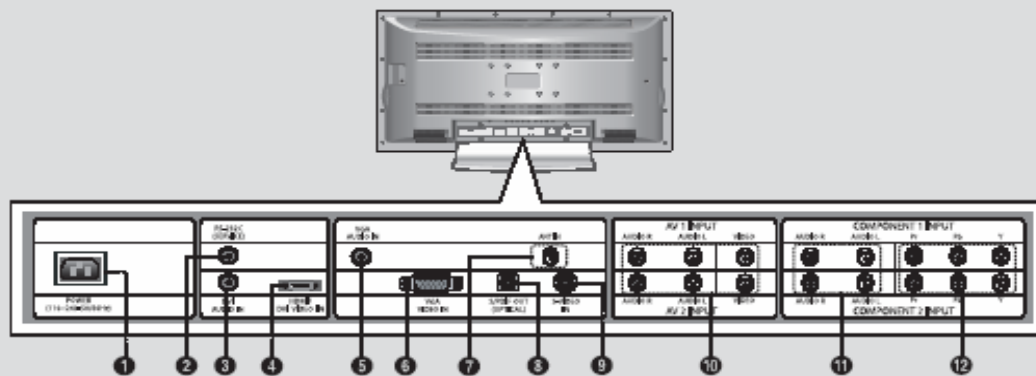


Owner's Instructions



Rear panel and Connections

(The picture of the product may vary depending on the model)



- | | |
|----------------------------|---|
| 1 Power Input Terminal | 7 RF Input (75 Ohm) Terminal |
| 2 Service Cord Terminal | 8 Optical Digital Sound Output Terminal |
| 3 DVI Sound Input Terminal | 9 S-video Input Terminal |
| 4 HDMI/DVI Input Terminal | 10 External Terminals 1, 2 |
| 5 PC Sound Input Terminal | 11 Component Sound Input Terminals 1, 2 |
| 6 PC Input Terminal | 12 Component Video Input Terminals 1, 2 |

Connection Cables

(The picture of the product may vary depending on the model)

HDMI Connector
(Optional: not included)
Connect to Terminal 4.



HDMI/DVI Connector
(Optional: not included)
Use when DVI input 4 terminal.



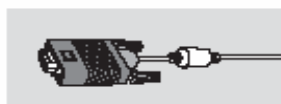
Digital Sound Connector
(Optional: not included)
Connect to Connector 8.



S-Video Connector
(Optional: not included)
Connect to Connector 9.



PC Cable
(Optional: not included)
Connect to Connector 6.



DVI/PC Sound Cable
(Optional: not included)
Connect to Connectors 3, 5.



Component Signal Cable
Connect into Connector 12.



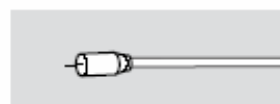
Sound Cable
Connect to Connector 11.



AV Cable
(Optional: not included)
Connect to Connector 10.



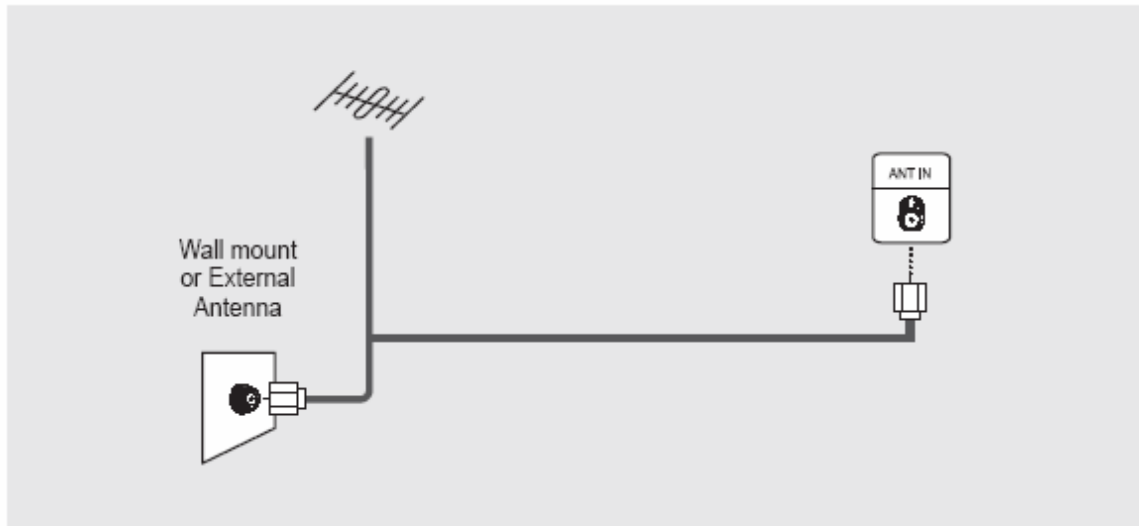
Coaxial Cable
Connect to Connector 7.



Connecting an Antenna

There are internal and external types of antennae.

Connecting an Antenna



1

Use a coaxial cable to connect the rear panel of the TV's [AIR] or [CABLE] terminals and the wall mount or external antenna.

2

When an Air signal is required, connect to the [AIR] terminal. If a Cable signal is required, connect to the [CABLE] terminal. If both Air, Cable are available, then connect both [AIR] and [CABLE] terminals.

3

Connect the TV power cord when connecting everything else.

Caution ■ Avoid bending the copper tip at the center of the coaxial cable.

Useful Tips

- If the signal is too weak to be received by the TV, purchase an additional wavelength amplifier for better reception.
- Setting up an UHF antenna will receive a digital broadcast signal.
- For apartments and condos, check with related parties or your landlord for UHF receiver availability.
- Some areas can receive digital broadcasts via cable companies, therefore check with your local cable operator.

Viewing Air Channels

- 1 Turn on the TV and follow the steps in [Automatic Channel Settings].
(Useful Tips p.12)
Currently all broadcast Air (Analog, Digital) and Cable (Analog, Digital) channels have been memorized.
- 2 Change the channel you wish to watch!
 - **Selecting channels directly via the numeric buttons.**
ex) To watch channel 4: Press '4' → Press select/OK.
 - **To change channels using the [Channel] button.**
ex) Change from Channel 4 to 11: Keep pressing the [Channel] button until you get to Channel 11.



Watching Digital Broadcasting

- 1 Turn on the TV and follow the steps in [Automatic Channel Settings].
(Useful Tips p.12)
Currently all broadcast Air (Analog, Digital) and Cable (Analog, Digital) channels have been memorized.
- 2
 - **Changing the channel by pressing the [CHANNEL] button**
Ex) Press the [CHANNEL] button until the required digital channel is reached.
 - **Directly pressing numbers and using [-]**
Ex) To watch digital network channel 61, :press '6' → '-' → '1' → and the [Select] button.

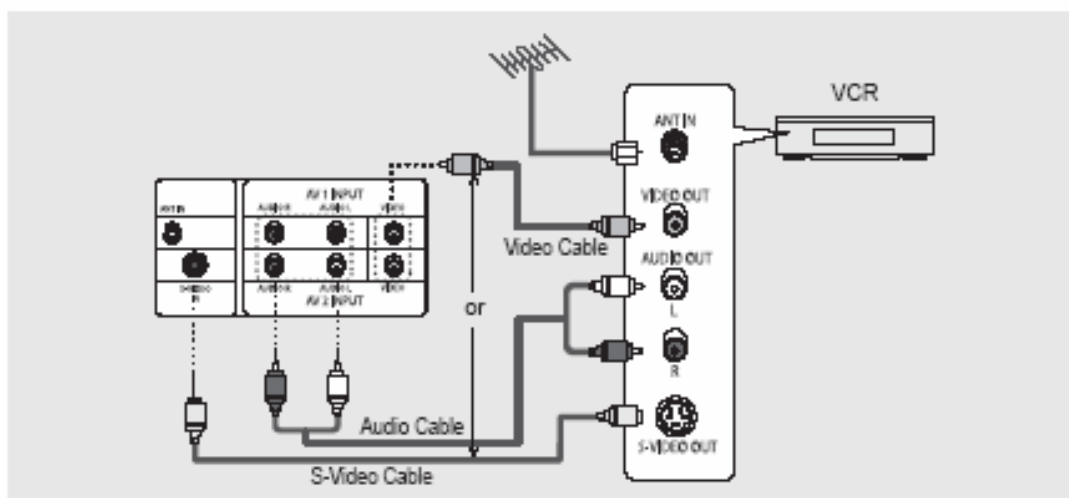
Caution ■ When not in (TV) mode, changing the channel is not performed.



Connecting a VCR

External devices may have different terminals for the same functions.

Connecting the video/sound cables



Chapter 2 Connections and External Input Settings

- 1** Connect the antenna to the Antenna input of the rear panel of the VCR.
- 2** Connect the video cable to the [AV1 video input] or [AV2 video input] (yellow) terminal at the back of the TV to the [Video Output] (Yellow) of the VCR.
- 3** Connect the sound cable to the [AV1 sound input left/right] or [AV2 sound input left/right] (white/red) terminal at the back of the TV to the [Sound output] (white/red) of the VCR.

Useful Tips

- If there is a terminal called [S-Video Output], connect the TV [S-Video Input] terminal to the VCR [S-video output] terminal. Connect the sound cable to the [Video2/S-Video Input left/right] (white/red).

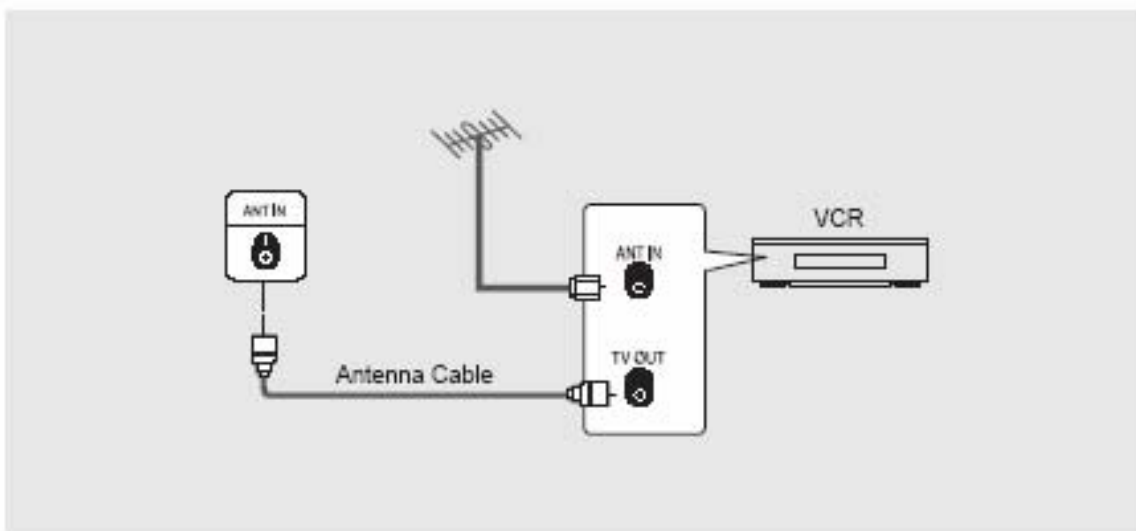
Watching a VCR

- 1** Turn on the TV and press the **INPUT** button, then select [VIDEO1] or [VIDEO2]. If (external input) mode is not selected, check your video connection.
- 2** Turn on the VCR and press the play button.

- Useful Tips** ■ When connecting a TV and VCR with an S-Video cable, press the [INPUT] button to select [S-VIDEO].



Connecting a Coaxial Cable



1

Connect the antenna cable to the [Antenna Input] terminal at the back of the VCR.

Caution ■ Avoid bending the copper tip of the coaxial cable.

2

Connect the same coaxial cable to the [AIR] terminal or [CABLE] terminal at the back of the TV or the [TV OUT] terminal at the back of the Video and TV.

Watching a VCR

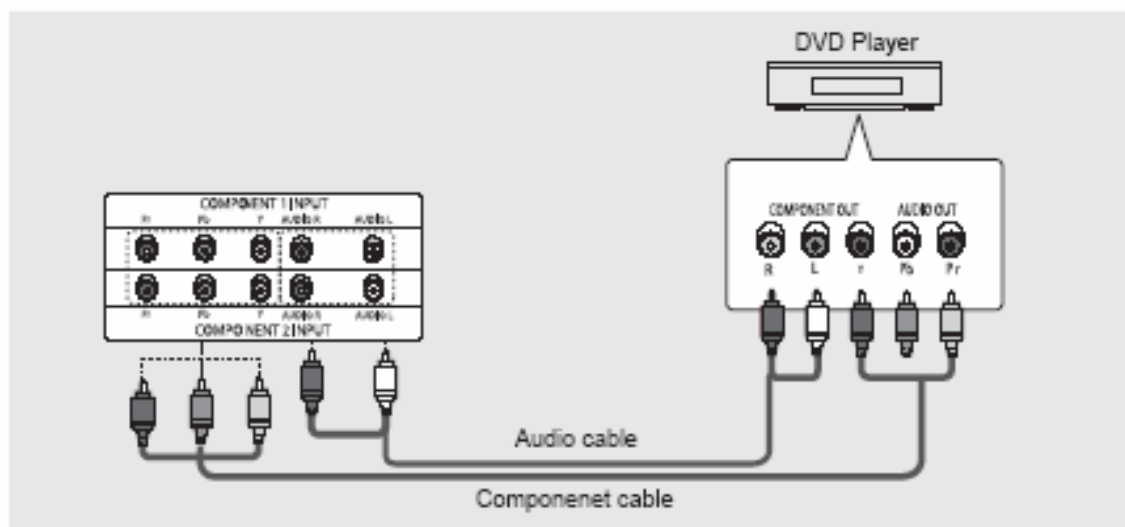
- 1 Move the switch at the back of the VCR to 3 or 4.
- 2 Turn the TV on and select Channel 3 or 4.
- 3 Turn on the VCR and press the play button.
ex) Selecting Channel 4



Connecting a DVD Player

External devices may have different connecting terminals.

Connecting to a DVD player



Chapter 2 Connections and External Input Settings

1

Connect the [COMPONENT 1 video input] or [COMPONENT 2 video input Y, Pb, Pr] (Green/Blue/Red) terminal at the back of the TV and the [Component output] on the DVD terminal.

Caution

- While connecting the component cable, and the output terminals Y, Pb, Pr are switched, the screen will appear red or blue.

2

Connect the [COMPONENT 1 sound input left/right] or the [COMPONENT 2 sound input left/right] (white/red) input terminal and the [sound output] (white/red) output terminal of the DVD with the sound connectors.

Useful Tips

- Depending on the brand of DVD player, the output terminals Y, Pb, Pr or Y, Cb, Cr will be marked.
- If the DTV receiver supports DVI, it may be connected via an HDMI or DVI cable instead of a component cable.

Viewing a DVD

1

Turn on the TV, press the **INPUT** button, then select [COMPONENT1] or [COMPONENT2].
If [component] mode is not selected, check if the component connectors are connected.

2

Turn on the DVD player and press the play button on the DVD player.

Useful Tips

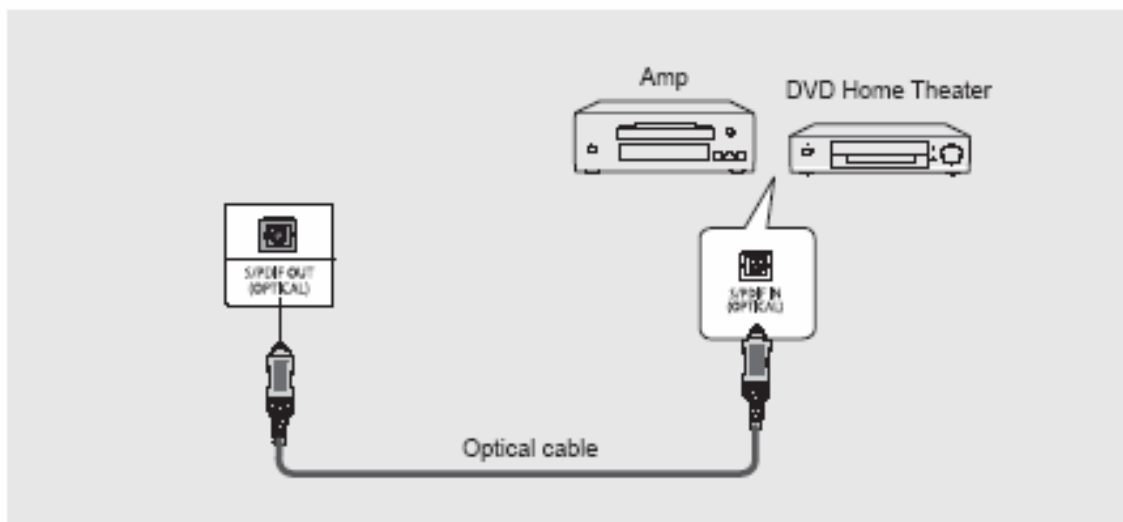
- When connecting the [TV] and the [DVD] with the HDMI cable, press the [INPUT] button and select (HDMI).



Connecting a Home Theater

External devices may have different connecting terminals

Connecting a Home Theater



1

Connect the [Digital Audio Output] at the back of the TV and the [Digital Audio input] terminal of the DVD Home Theater (or AV amp) using an optical digital sound cable.

2

Press **MUTE** to turn off the sound of the TV, or set the [Internal Speaker] to [Off]. (Refer to p.66)

Useful Tips

- See the amplifier instructions for connecting the speakers and the DVD Home Theater or AV Amp.
- Connect the [Digital Audio output] terminal at the back of the TV to the DVD Home Theater or AV Amp to view digital broadcasts using 5.1 channel speakers.

Watching a DVD title with Home Theater

1

Turn on the TV and press the **INPUT** button to select [COMPONENT1] or [COMPONENT2].

If [COMPONENT] mode is not selected, check if the component cable is connected properly.

2

Turn on the DVD Home Theater and test it by playing a DVD title.

Useful Tips

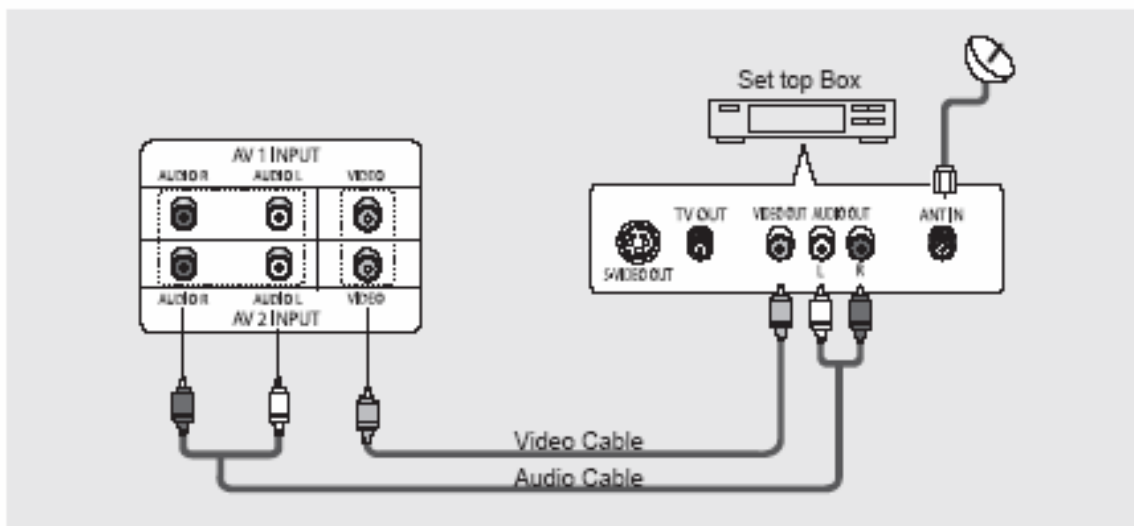
- See the instructions for the DVD Home Theater or for Connecting and Using a DVD Player (refer to p.31) for the DVD video input.
- To connect a TV and a DVD Home Theater using an HDMI cable, press the [INPUT] button to select (HDMI).



Connecting a Cable/Satellite

A proper cable or satellite provider is required
External devices may have different connection terminals

Connecting to Video/Audio



- 1** Connect the cable/satellite antenna to the [Antenna signal input] on the rear panel of the receiver.
- 2** Connect the [AV1 video input] or [AV2 video input] (Yellow) terminal to the rear panel of the Cable/Satellite receiver using video connectors.
- 3** Connect the [AV1 sound input left/right] or [AV2 sound input left/right] (white/red) terminal to the rear panel of the Cable/Satellite receiver using audio connectors.

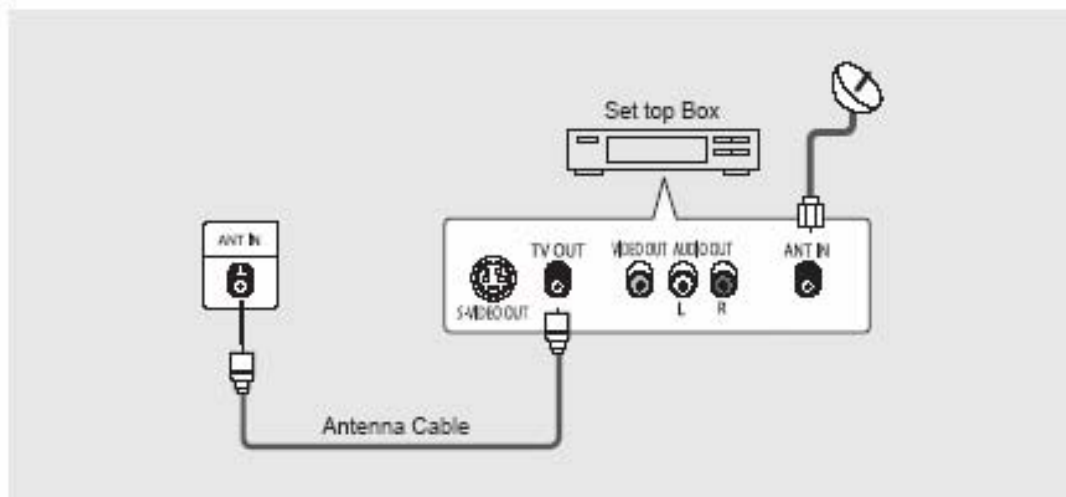
Watching Cable/Satellite broadcast

- 1** Turn on the TV, press **INPUT** and select [VIDEO1] or [VIDEO2].
- 2** Turn on the cable/satellite receiver and select the channel you want to watch using the remote control.

Useful Tips ■ If you have connected the TV and cable receiver using an S-Video cable, press [INPUT] and select (S-VIDEO).



Connecting with a coaxial cable



1

Connect the Cable/Satellite antenna cable to the [Antenna signal input] terminal of the rear panel.

Precautions

- Avoid bending the copper tip at the center of the coaxial cable.

2

Connect the [CABLE] on the back of the TV to the [TV signal output] terminal on the back of the Cable/Satellite receiver.

Useful Tips

- If you would like to record cable/satellite programs, in step (2), instead of pressing [CABLE], connect the [Antenna input] terminal and the receiver's [TV signal output] (Refer to the instruction manual of the VCR).

Watching Cable/Satellite

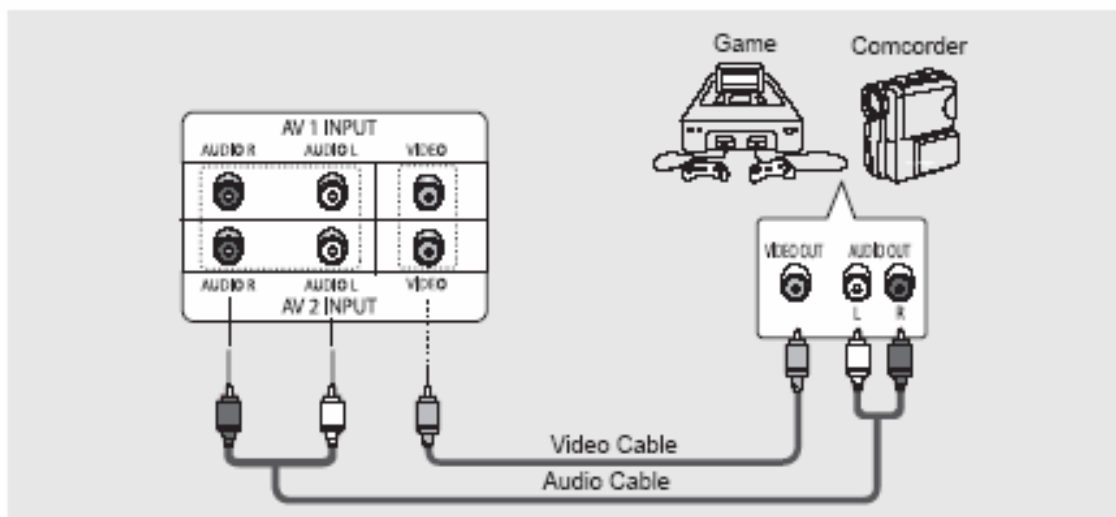
- 1 Set the dip switch on the rear panel of the Cable/Satellite receiver to 3 or 4.
- 2 Turn on the TV and select channel 3 or 4.
- 3 Turn on your cable/satellite receiver and select channels using the remote control.



Connecting a Camcorder/Gaming Device

Applies to all external devices connected to the video/sound terminal.

Connecting a camcorder or Gaming Device



1

Connect the [AV1 video input] on the rear panel of the TV or the [AV2 video input] (Yellow) to the [video output] (yellow) of the external device using the video cable.

2

Connect the [AV1 sound input left/right] or the [AV2 sound output left/right] (white/red) terminal to the [Sound output] (white/red) terminal of the external device using a sound cable.

3

Connect the TV and camcorder after all other connections are done.

Useful Tips

- Connect the Gaming Device and other devices as above.
- If your Gaming Device has a [component output] terminal, then connect the [component sound/video input] terminal of the TV and the [Component sound/video output] terminal of the Gaming Device.

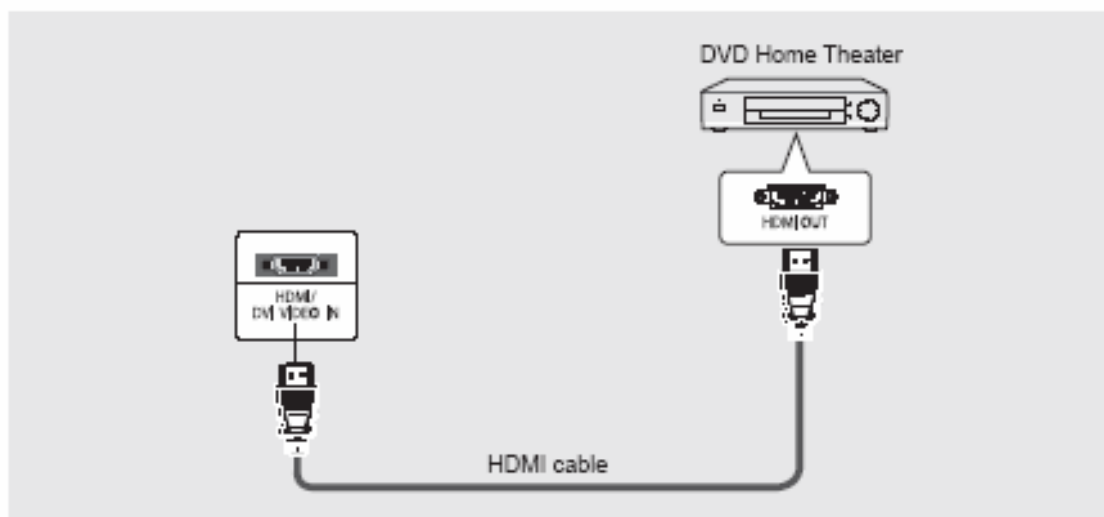
Watching recorded materials from the camcorder

- 1 Turn on the TV and press **INPUT**, then select [AV1] or [AV2].
If you cannot select the external input, check the video cable connection.
- 2 Press the play button on the camcorder.
For detailed descriptions refer to the camcorder instruction manual.



Connecting a HDMI Connection

Connecting via HDMI



1

Connect the [HDMI/DVI input] terminal at the back of the TV and the [HDMI] terminal of the external device.

2

Connect the TV and the external device after all other connections are done.

■ **What is HDMI (High-Definition Multimedia Interface)?** A next generation interface that connects the digital audio and video signals using only one cable without compression. The sound signal also carries multi-channel (5:1 Channel) so that it is properly called a multimedia interface rather than a video terminal. The difference between HDMI and DVI is that the size is smaller; HDCP has an embedded cipher function and supports multi channel audio.

Watching HDMI

- 1 Turn on the TV and press INPUT, then select [HDMI].
- 2 Place a DVD title into an external device connected via HDMI and press play.

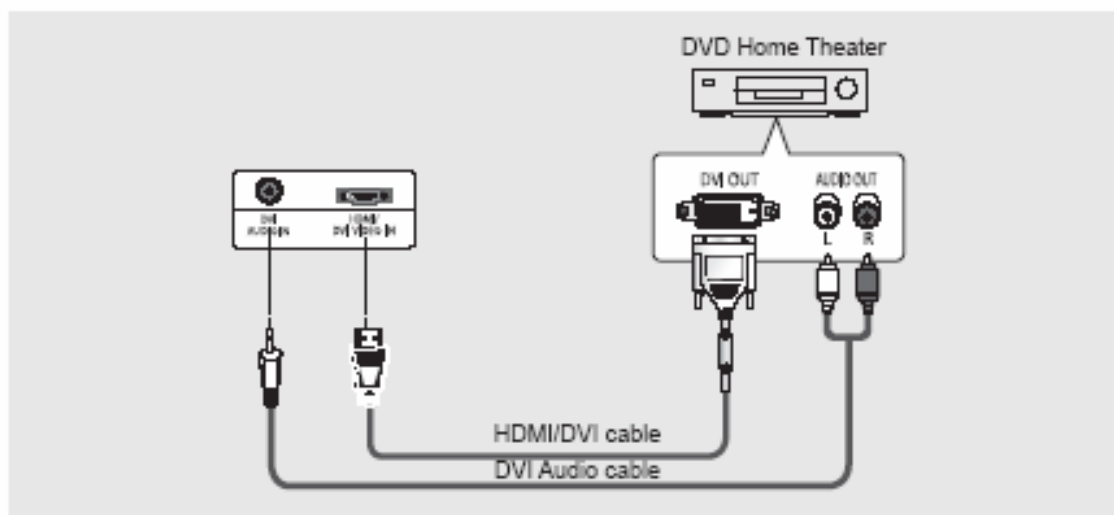
Useful Tips

- You can watch by connecting AV devices such as a set-top-box, a DVD player, an AV receiver, or DTV that supports the HDMI connection.



Connecting a DVI Connection

Connecting via DVI



Chapter 2 Connections and External Input Settings

1

Connect the [HDMI/DVI Input] terminal and the [DVI] output terminal of the external device.

2

Connect the [DVI Audio input] using the DVI audio cable (sold separately).

3

After this is completed, turn on the power of the TV and the external device.

Useful Tips

- When connecting equipment using a DVI connection cable, use a DVI-HDMI gender (sold separately) or on one side HDMI other side DVI type of connection cable (HDMI/DVI connecting cable - not included in packet - sold separately)

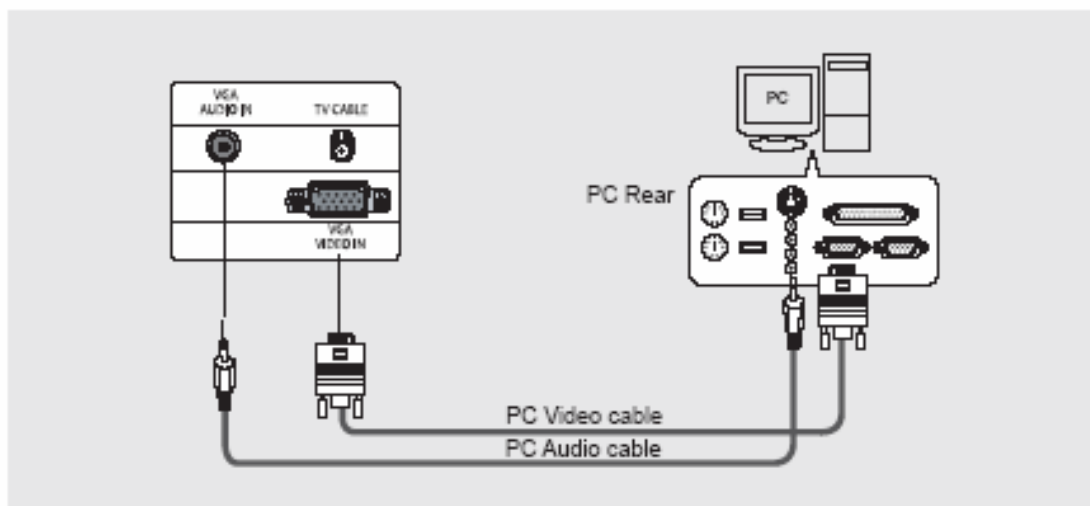
Watching stream via the DVI connector

- 1 Turn on the TV and press [INPUT], then select <HDMI>.
- 2 Operate the external device connected via DVI.



Connecting a PC

Connecting a PC



1

Connect the [PC input] and the PC monitor output using a PC video cable.

Useful Tips

- Audio output is only available for PCs with a sound output terminal

2

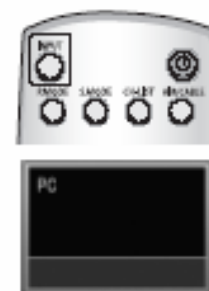
Connect the [PC audio input] and the PC audio output using a PC audio cable.

3

After this is completed, turn on the power of the TV and the PC.

Watching a PC screen on a TV


- Turn on the PC and check if your PC settings are correct.
 - If they are not correct, your screen will be doubled or distorted.
 - Setting up your PC is referred to in p.90.
- Turn on the TV and press **INPUT**, then select [PC].
- Adjusting the PC screen.
Refer to p.x91~95 for adjustments



TV/ External Input Settings

You can change the signal of the TV or of the external device connected to your TV.


1



INPUT

Press **INPUT**.
The external input list will appear.

2




Press ▲/▼ to move to an input mode, then press OK.
Move to the selected external input screen.

Useful Tips

■

Check if the connecting cables are properly connected if the input mode was not selected.



Specifications

Model Name			LT-4270AAD (42")
LCD Panel	Size		42"
	Display Size		1366(H) X 768(V)
	Color		16.7 million
	Viewing Angle		170° (H), 170° (V)
RF	Air		2ch ~ 69ch
	Cable		1ch ~ 139ch
TV	Video System		NTSC-M (Analog), ATSC (Digital)
	Sound System		MTS
VIDEO	Color System		NTSC-M
	Video System		CVBS, S-VHS
Component	Video Input		480i, 480p, 720p, 1080i
	Audio Input		500mVrms
PC	Frequency	Horizontal	30 ~ 60kHz
		Vertical	60 ~ 75Hz
	Display Colors		16.7 million
	Resolution	Maximum	1280 X 1024, 60 Hz
		Optimum	1366 X 768, 60 Hz
Audio	Speaker		3 Inch 8Ω 10W - 2EA
	Tweeter Speaker		2 Inch 8Ω 10W - 2EA
Power Supply Input			AC 100V - 240V~, 50/60 Hz
Power Consumption			Max 200W
E.Saving			90W
Dimension (W × D × H)			1065mm × 350mm × 850mm
Weight			33.3Kg
Control type			Remote control use: Infrared
			Electronic functional use