

USER'S MANUAL

42 Inch LCD TV
MONITOR

Model : LT-4270BND

RED Co., Ltd.

FCC Information

User Instructions

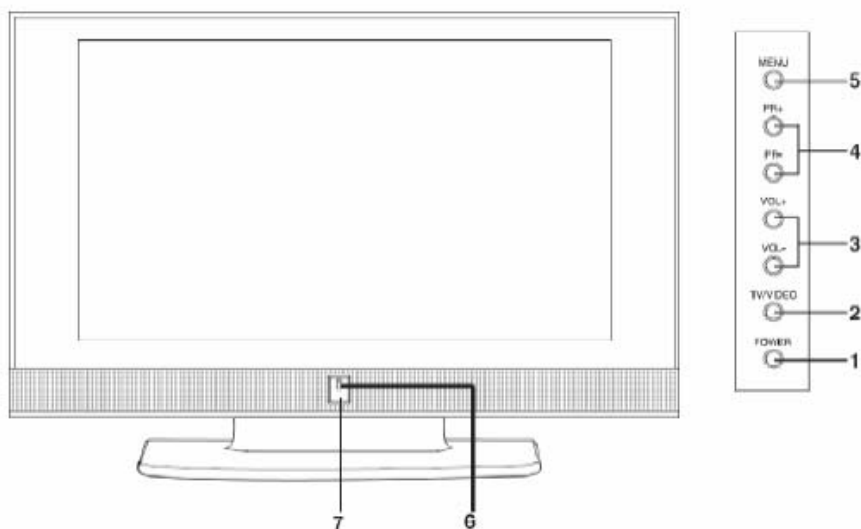
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television receptions, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Front panel and parts



1. POWER

switches the set On or Off.

2. TV/VIDEO

selects TV, AV1, AV2, S-VIDEO, COMPONENT, RGB DTV, PC ANALOG, HDMI mode.

3. ◀ / ▶ (Volume Down/Up)

adjusts the volume.

adjusts menu settings.

4. ▲ / ▼ (Programme Up/Down)

selects a programme or a menu item.

switches the set On from standby.

5. MENU

selects a menu.

6. POWER/STANDBY INDICATOR (r)

illuminates red in standby mode.

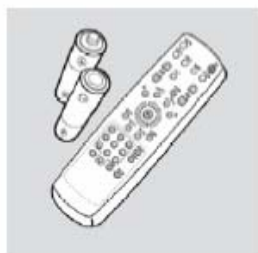
illuminates green when the set is switched On.

7. REMOTE CONTROL SENSOR

Checking the parts

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

Remote Control / Battery



Power Cable

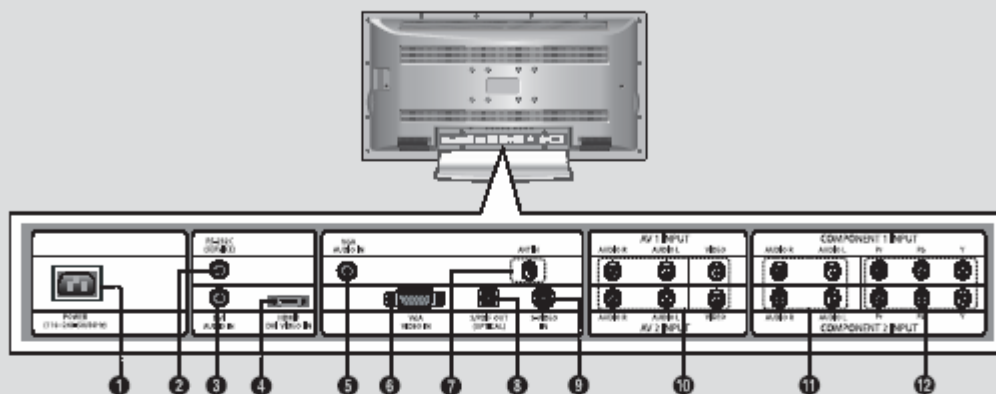


Owner's Instructions



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 |

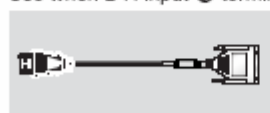
Connection Cables

(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.



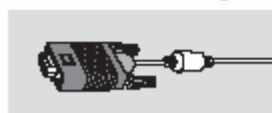
Digital Sound Connector
(Optional: not included)
Connect to Connector ⑧.



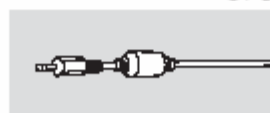
S-Video Connector
(Optional: not included)
Connect to Connector ⑨.



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.



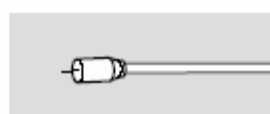
Sound Cable
Connect to Connector ⑪.



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



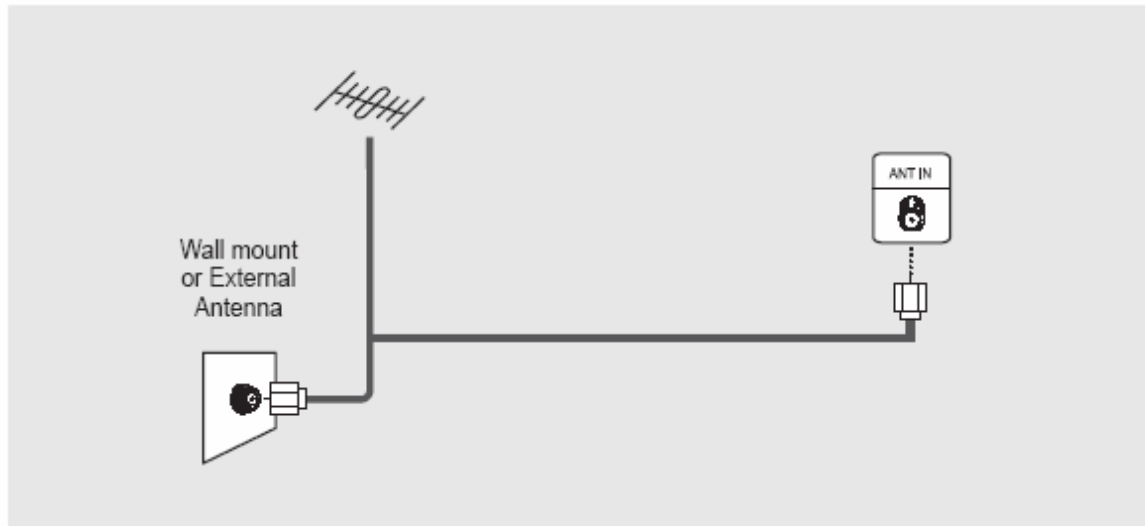
Coaxial Cable
Connect to Connector ⑦.



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.

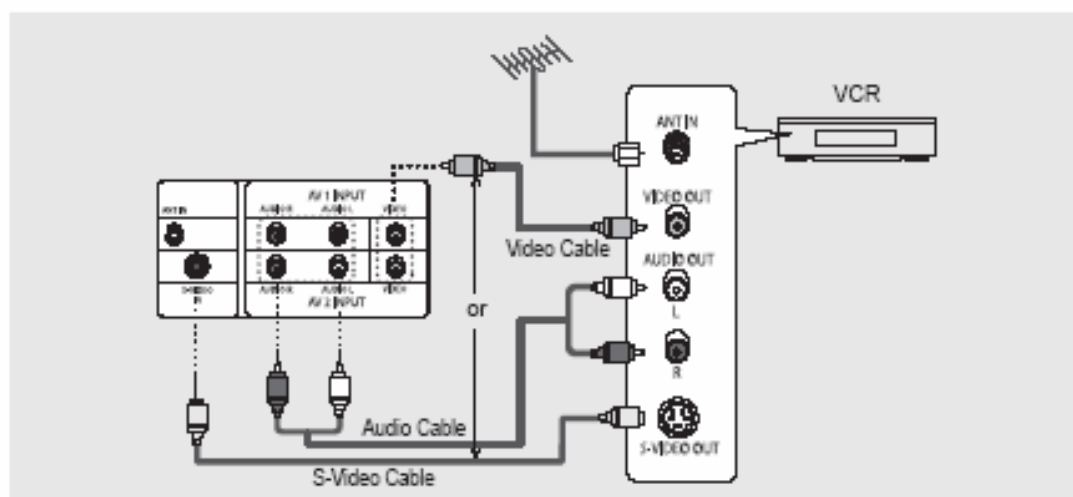
Caution ■ When not in (TV) mode, changing the channel is not performed.



Connecting a VCR

External devices may have different terminals for the same functions.

Connecting the video/sound cables



- 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

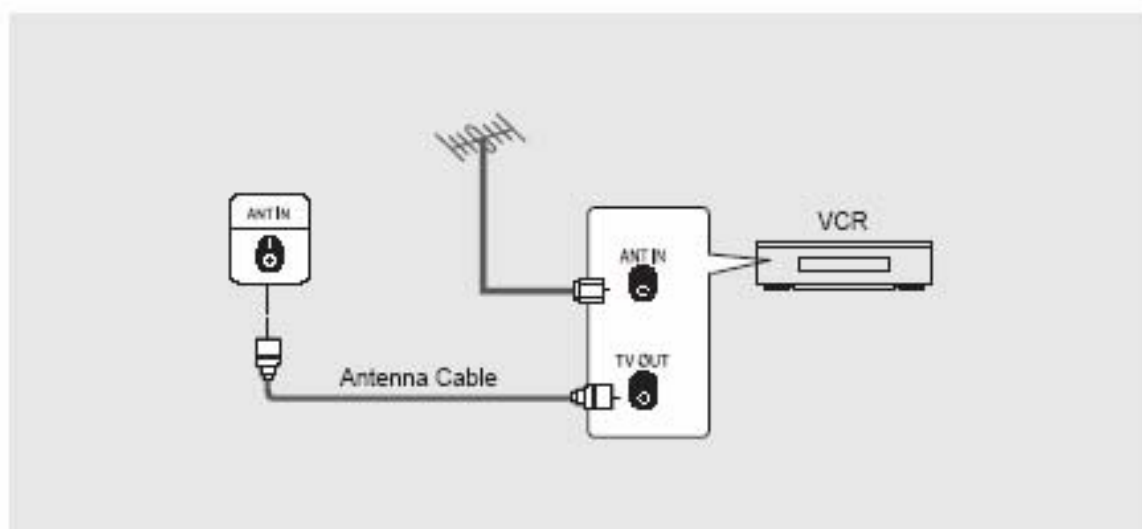
- 1 Turn on the TV and press the **INPUT** button, then select [VIDEO1] or [VIDEO2]. If (external input) mode is not selected, check your video connection.
- 2 Turn on the VCR and press the play button.

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

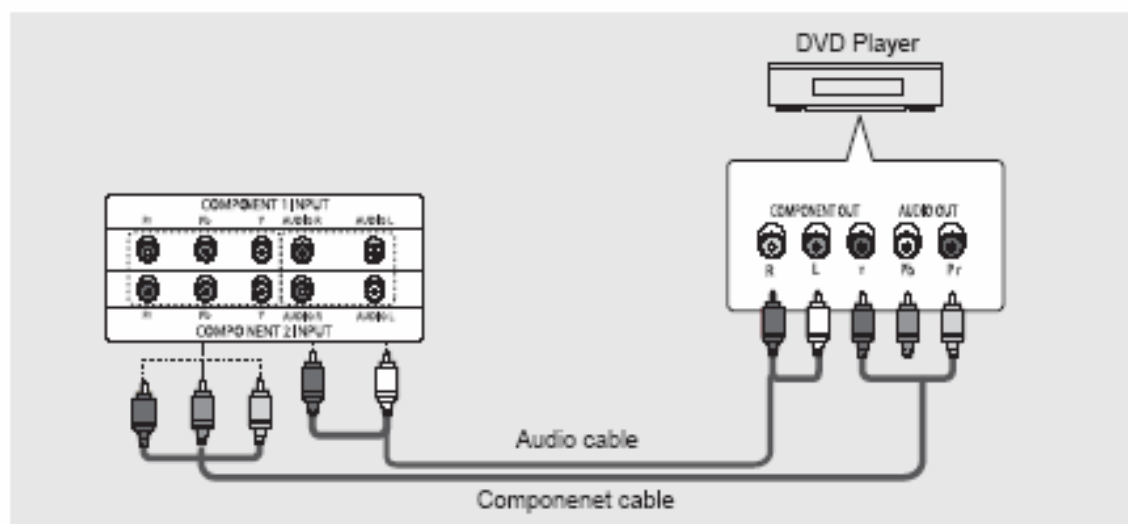
CHANNEL
CH3  CH4



Connecting a DVD Player

External devices may have different connecting terminals.

Connecting to a DVD player



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.

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.

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

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.

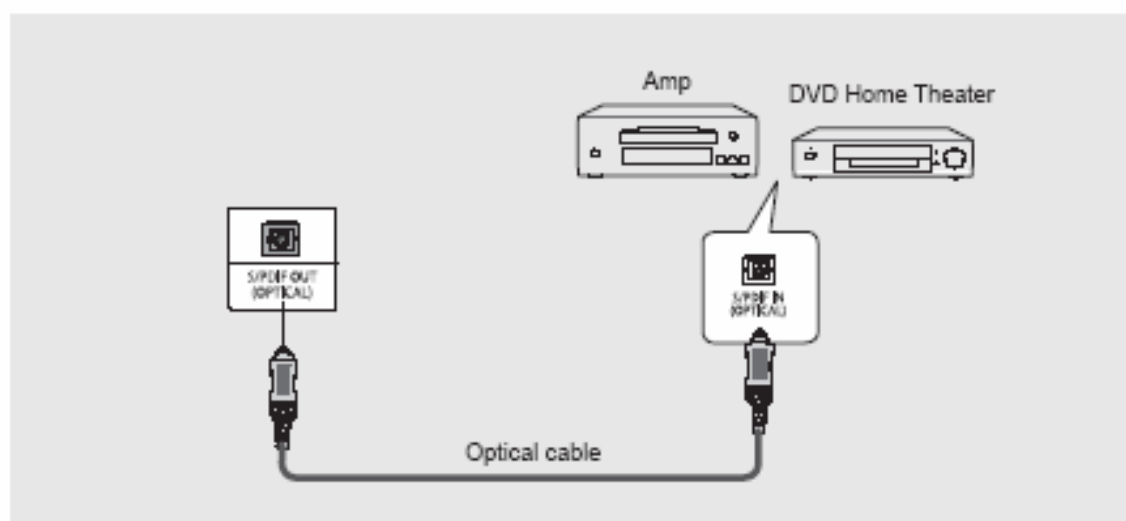
Useful Tips ■ When connecting the [TV] and the [DVD] with the HDMI cable, press the [INPUT] button and select (HDMI).



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.86)

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

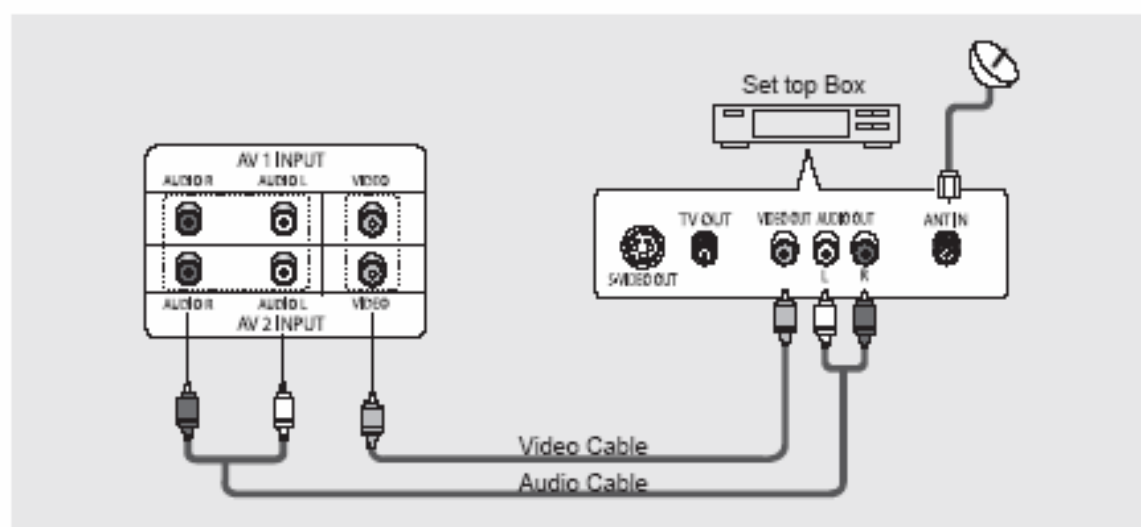
- See the instructions for the DVD Home Theater or for Connecting and Using a DVD Player (refer to p.31) for the DVD video input.
- To connect a TV and a DVD Home Theater using an HDMI cable, press the [INPUT] button to select (HDMI).



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.

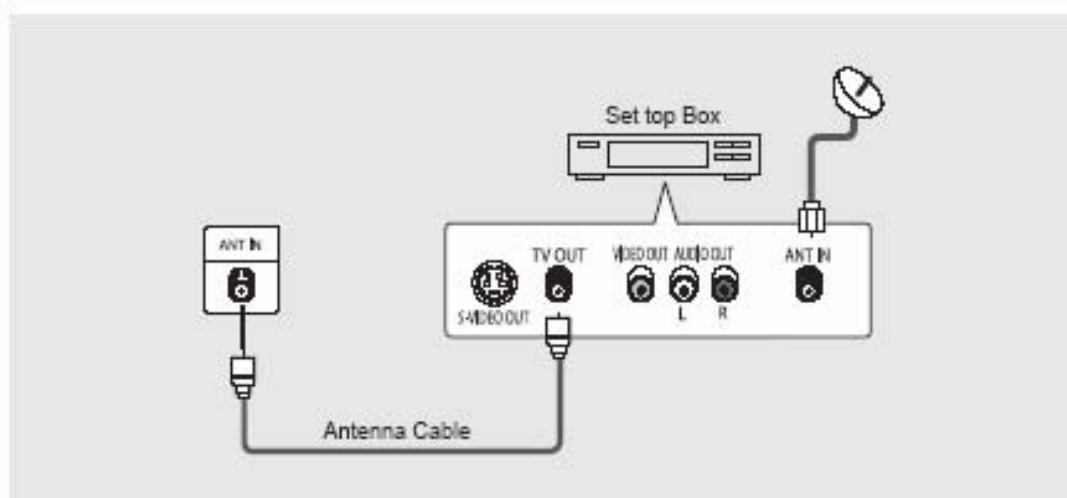
Watching Cable/Satellite broadcast

- 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.

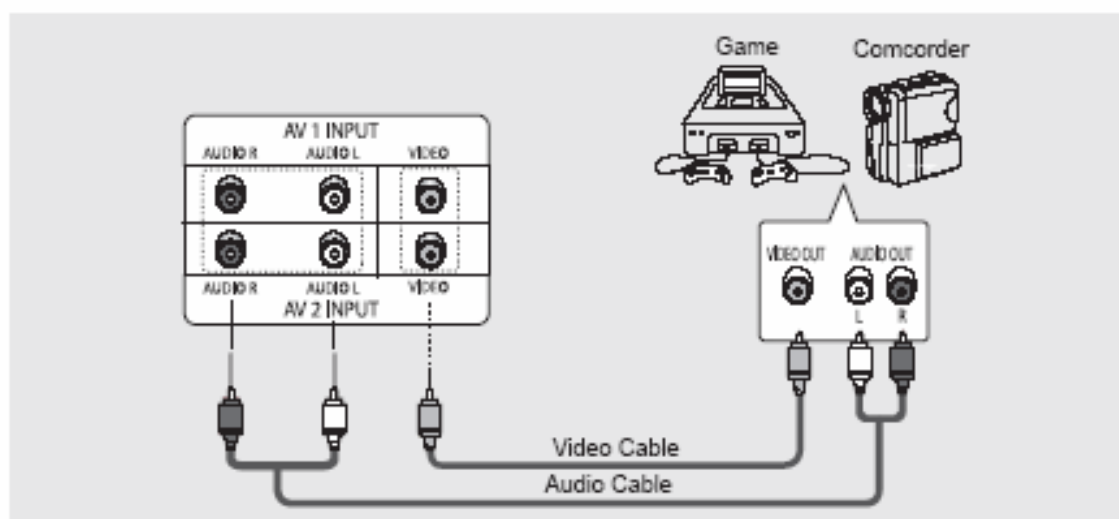
CHANNEL
CH3  CH4



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.

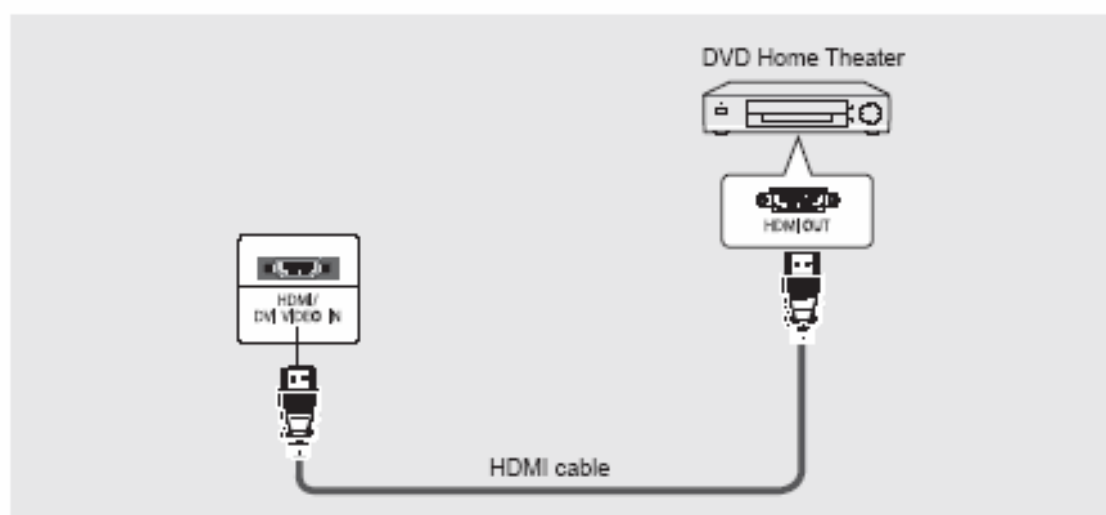
Watching recorded materials from the camcorder

- 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.

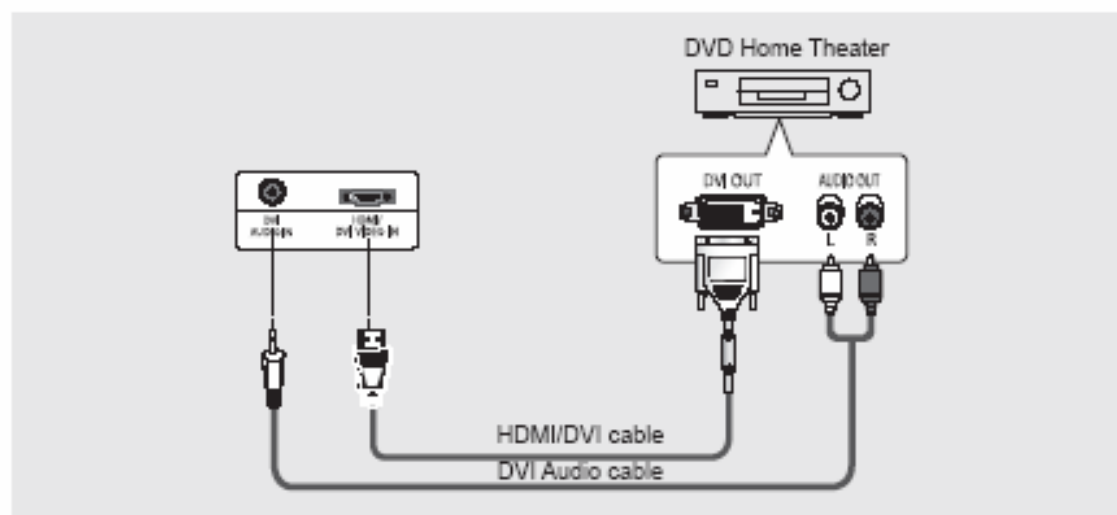
Useful Tips

- 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



- 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)

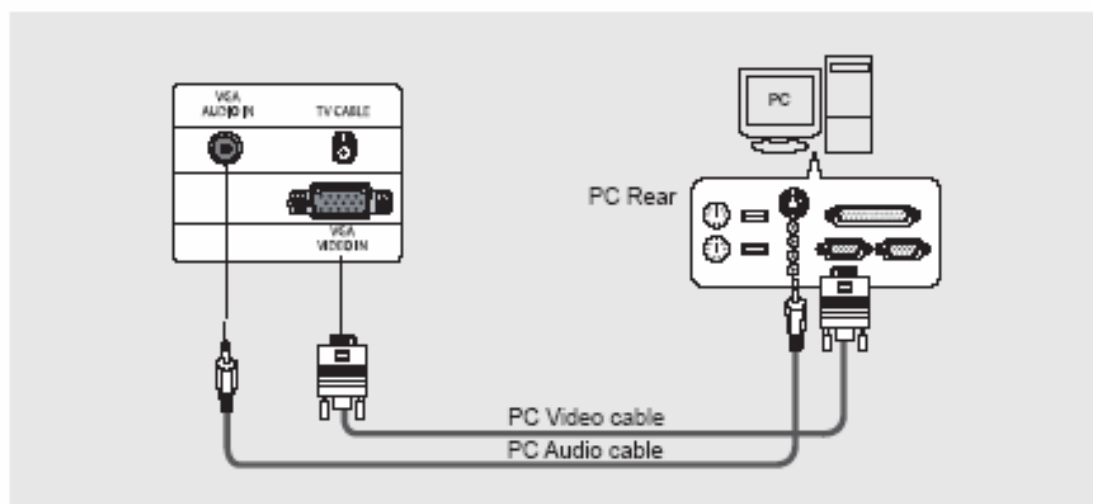
Watching stream via the DVI connector

- 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

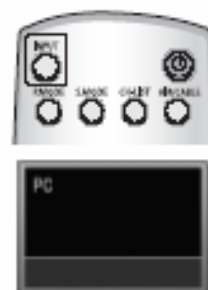
Connect the [PC audio input] and the PC audio output using a PC audio cable.

3

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

Watching a PC screen on a TV

- 1 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.
- 2 Turn on the TV and press **INPUT**, then select [PC].
- 3 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



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