

Appendix 6. Operational Description

Viewing the Control Panels

Front View



Right Side



- ① Volume adjustment
- ② Channel selection
- ③ Input TV/AV selection
- ④ MENU selection
- ⑤ Power
- ⑥ Remote control sensor

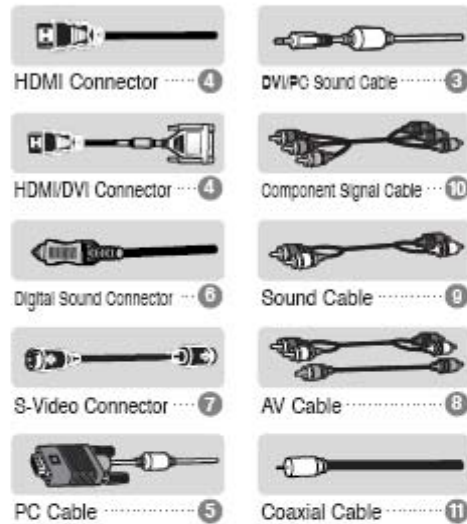
Power Indicator Status

Indicator	Status
Red	Stand-by
Green	Power on

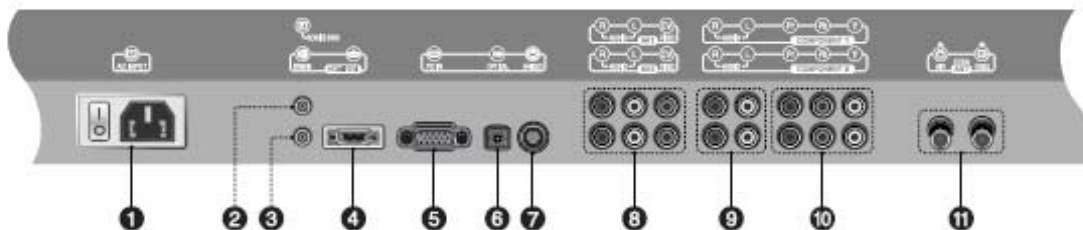
Viewing the Control Panels

Rear View

Connection Cables (Optional : not included)



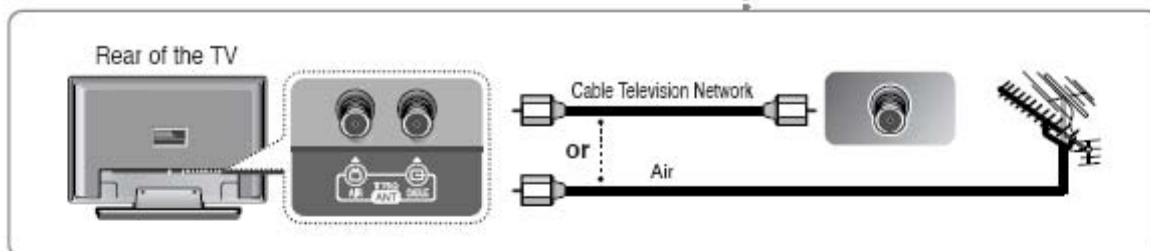
Bottom Side



- | | |
|---------------------------------------|--|
| ① Power Input Terminal | ⑦ S-video Input Terminal |
| ② Service Cord Terminal | ⑧ External Terminals 1, 2 |
| ③ DVI Sound Input Terminal | ⑨ Component Sound Input Terminals 1, 2 |
| ④ HDMI/DVI Input Terminal | ⑩ Component Video Input Terminals 1, 2 |
| ⑤ PC Input Terminal | ⑪ AIR, CABLE Input Terminal |
| ⑥ Optic Digital Sound Output terminal | |

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

Caution

- ✦ 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 <Auto Memorizing>. 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

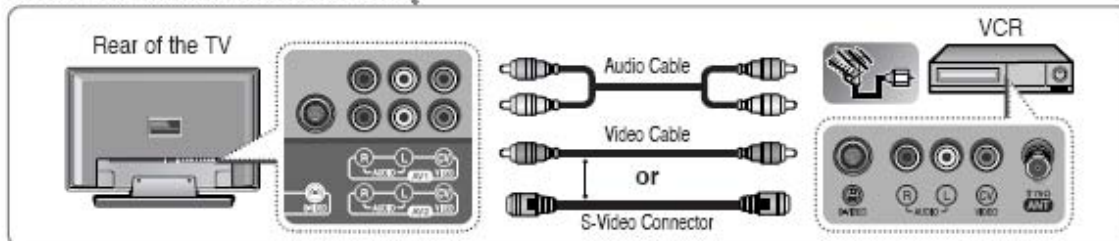
- 1 Turn on the TV and follow the steps in <Auto Memorizing>. Currently all broadcast Air (Analog, Digital) and Cable (Analog, Digital) channels have been memorized.
- 2 Use the **[AIR/CABLE]** button to view channels.
 - Changing the channel using the **[AIR/CABLE]** button
ex) Pressing the **[AIR/CABLE]** button will move to the next digital channel in the <Auto Memorizing> list sequentially.
 - 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 6-1, press '6' → '-' → '1' → and the **[OK]** button.

⚠ When not in <TV> mode, changing the channel is not performed.



Connecting a VCR

External devices may have different terminals for the same functions.



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).



Useful Tips

- When connecting a TV and VCR with an S-Video cable, press the [INPUT] button to select <S-VIDEO>.

Connecting the video / sound cables

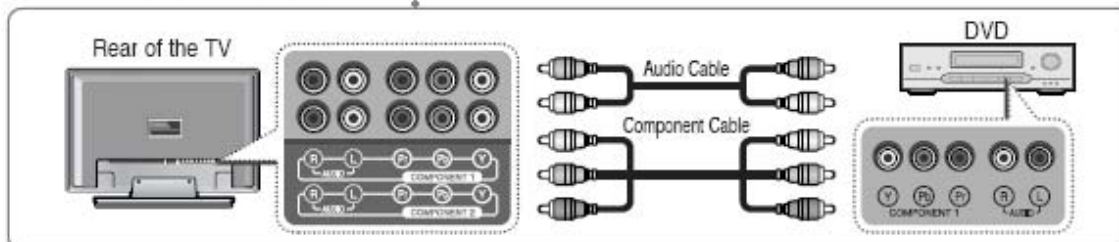
- Connect the antenna to the Antenna input of the rear panel of the VCR.
- Connect the video cable to the [AV1 video input] or [AV2 video input] (yellow) terminal at the back of the TV to the [video Output] (Yellow) of the VCR.
- Connect the sound cable to the [AV1 sound input left / right] or [AV2 sound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

Watching a VCR

- Turn on the TV and press the [INPUT] button, then select <AV1> or <AV2>. If <external input> mode is not selected, check your video connection.
- Turn on the VCR and press the play button.

Connecting a DVD Player

External devices may have different connecting terminals.



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.



Useful Tips

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

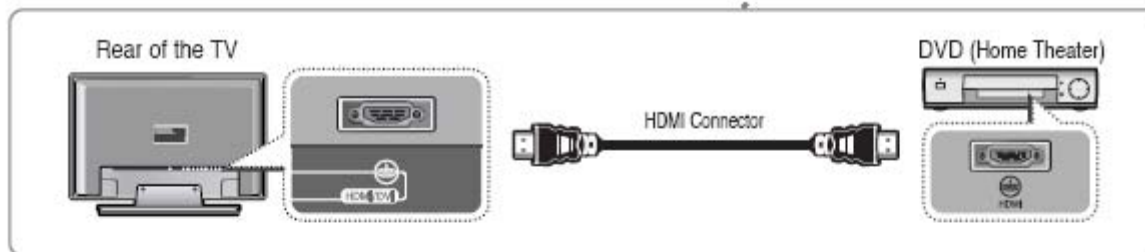
Connecting to a DVD player

- 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.
- Connect the [COMPONENT1 sound Input left/right] or the [COMPONENT2 sound Input left/right] (white/red) input terminal and the [sound output] (white/red) output terminal of the DVD with the sound connectors.

Viewing a DVD

- Turn on the TV, press the [INPUT] button, then select <COMPONENT 1> or <COMPONENT 2>. (If <component> mode is not selected, check if the component connectors are connected.)
- Turn on the DVD player and press the play button on the DVD player.

Connecting a HDMI Connection



Connecting via HDMI

- 1 Connect the [HDM/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.

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

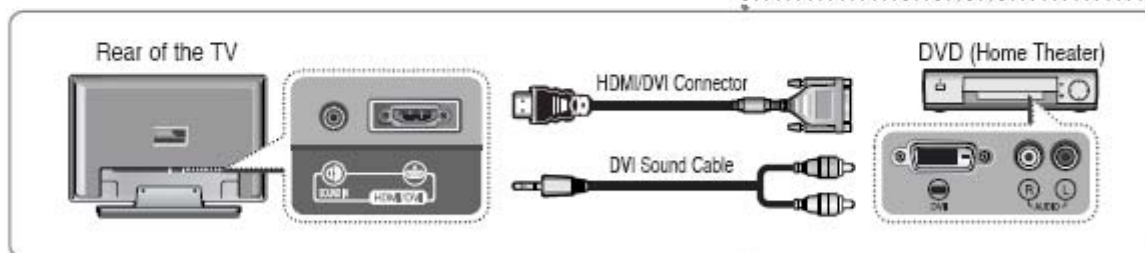
- ☛ You can watch by connecting AV devices such as a set-top-box, a DVD player, an AV receiver, or DTV that supports the HDMI connection.

What is HDMI ?

- ☛ 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.



Connecting a DVI Connection



Connecting via DVI

- 1 Connect the [HDM/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.

Watching steam via the DVI connector

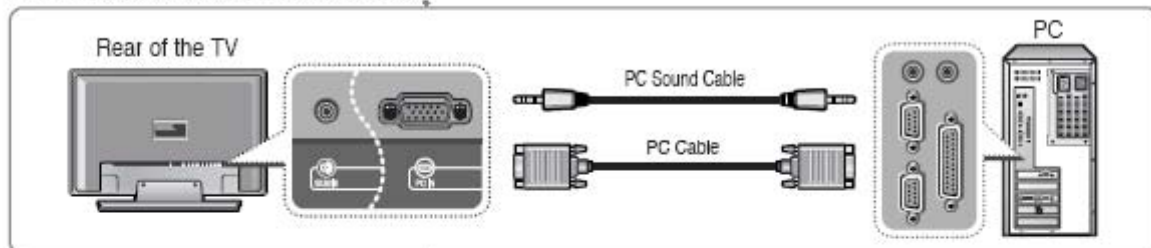
- 1 Turn on the TV and press [INPUT], then select <HDMI>.
- 2 Operate the external device connected via DVI.

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)



Connecting a PC



Useful Tips

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

Connecting a PC

- 1 Connect the [PC input] and the PC monitor output using a PC video cable.
- 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.
- 2 Turn on the TV and press [INPUT], then select <PC>.
- 3 Adjusting the PC screen.

Specifications

Model name			TF-TV4209
LCD	Size		42" Diagonal
	Display Size		930.25 mm (H) x 523.01 mm (V)
	Pixel Pitch		0.227 mm (H) x 0.681 mm (V)
	Pixel Number		1366 x 768 (WXGA)
	Type		a-Si TFT active matrix
	Brightness		500 cd / m ²
	Contrast Ratio		500 : 1
	Viewing Angle		176°(H) / 176°(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
Input Signal	Sync.		H/V Separate, TTL, P or N
	Video Signal		VHF, UHF : 75 ohm unbalanced
Audio Output			15W + 15W (2Way 4Speaker)
Power Supply			Internal Type AC 110 ~ 240V, 50 / 60Hz
Power Consumption			Max. 210W
Stand-by Mode			< 3W
Dimension (W x H x D)			43" x 31.9" x 5.5" (Stand 11.1")
Weights			83.8 lbs
Accessories			Remote Control, Battery (AAA type), Operating Instructions Power Cord