



USER'S MANUAL

47 Inch LCD TV MONITOR

Model : TF-TV4708

Phyls FNC Co., Ltd.



FCC Compliance Statements

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 reception, 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.

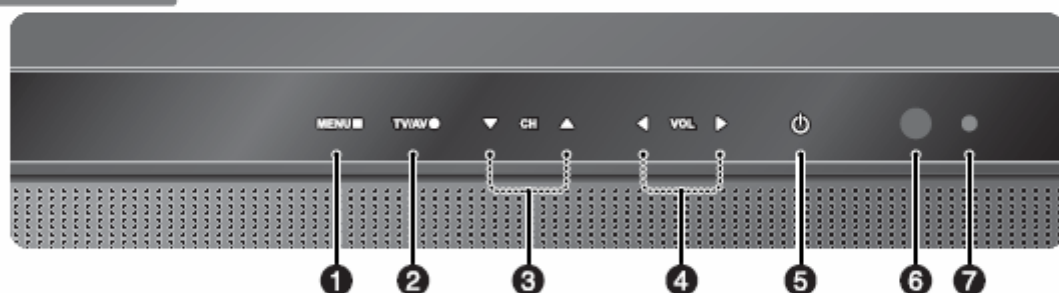
Warning : Your are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

Viewing the Control Panels

Front View



Bottom Side



- ❶ MENU selection
- ❷ Input TV/AV selection
- ❸ Channel selection
- ❹ Volume adjustment
- ❺ Power
- ❻ Remote control sensor
- ❼ Indicator

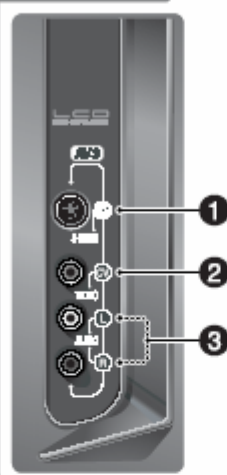
Power Indicator Status

Indicator	Status
Red	Stand-by
Green	Power on

Viewing the Control Panels

Rear View

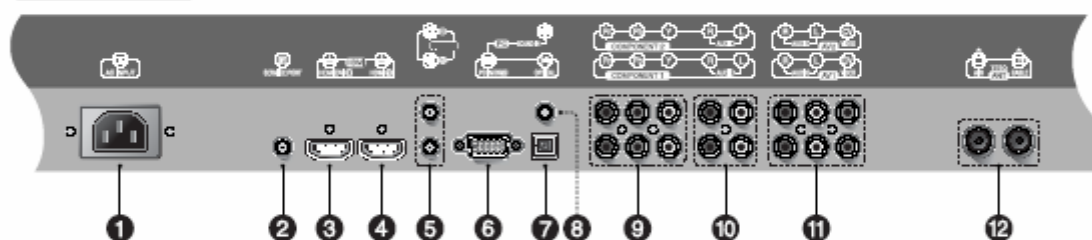
Left Side



- ① AV3 S-Video Input
- ② AV3 Video Input
- ③ AV3 Sound Input



Bottom Side



- ① AC Power Input Terminal
- ② Service Port
- ③ HDMI/DVI Input Terminal 2
- ④ HDMI Input Terminal 1
- ⑤ Sound Input Terminals 1, 2
- ⑥ PC Input Terminal
- ⑦ Optical Digital Sound Output Terminal
- ⑧ PC Sound Input Terminal
- ⑨ Component Video Input Terminals 1, 2
- ⑩ Component Sound Input Terminals 1, 2
- ⑪ External Terminals 1, 2
- ⑫ AIR, CABLE Antenna Input Terminal

Connection Cables (Optional : not included)



HDMI Connector



HDMI to DVI Connector



Digital Sound Connector



S-Video Connector



PC Cable



PC Sound Cable



DVI Sound Cable



Component Signal Cable



Sound Cable



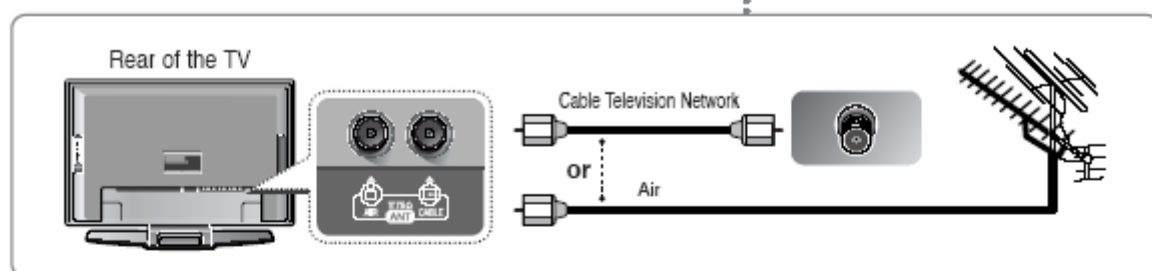
AV Cable



Coaxial Cable

Connecting an Antenna

There are internal and external types of antennas.



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.

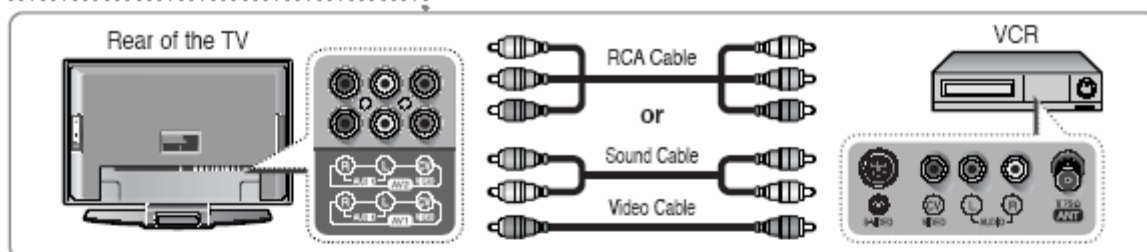
Viewing Air Channels

- 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 keypad.
ex) To watch channel 4: Press '4' → Press 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.



Connecting a VCR

External devices may have different terminals for the same functions.



Useful Tips

- To avoid picture noise (interference), leave an adequate distance between the VCR and set.
- When connecting the set to an external source, match the colours of AUDIO/VIDEO input jacks on the set with the output jacks on the audio/video equipment: Video=Yellow, Audio (Left)=White, Audio (Right)=Red.



Connecting the video / sound cables

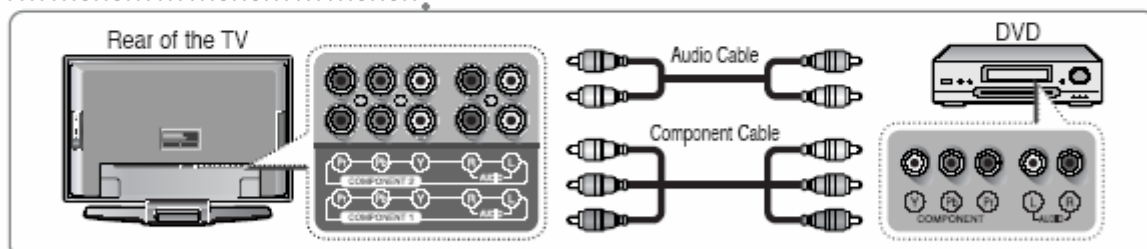
- 1 Connect the antenna cable to the Antenna input of the rear panel of the VCR.
- 2 Use the video cable to connect the [AV1 video input] or [AV2 video input] (yellow) terminal at the back of the TV to the [video Output] (Yellow) of the VCR.
- 3 Use the sound cable to connect the [AV1 sound input left / 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

- 1 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.
- 2 Turn on the VCR and press the play button.

Connecting a DVD Player

External devices may have different connecting terminals.



Useful Tips

- Component output terminals may be labeled either "YUV" or "Y, Pb/Cb, Pr/Cr".
- 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 <COMPONENT>.

Connecting to a DVD player

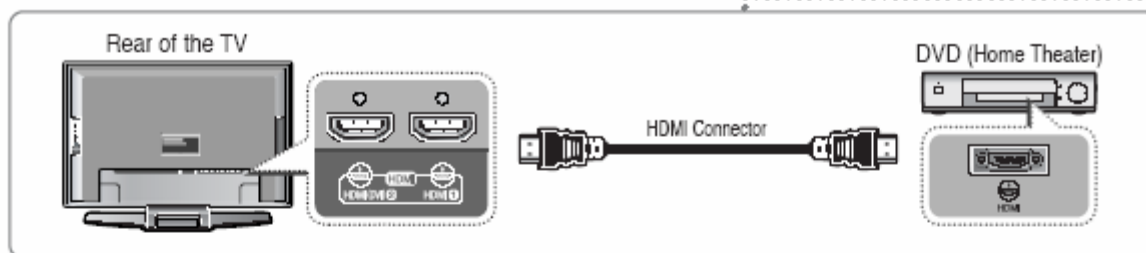
- 1 Use the component video cable to connect the [COMPONENT 1 video input] or [COMPONENT 2 video input Y, Pb, Pr] (Green/Blue/Red) terminal at the back of the TV to the [Component output] on the DVD player.
- 2 Use the sound cable to connect the [COMPONENT1 sound input left/right] or the [COMPONENT2 sound input left/right] (white/red) input terminal to the [sound output] (white/red) output terminal of the DVD player.

Viewing a DVD

- 1 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.)
- 2 Turn on the DVD player and press the play button on the DVD player.

Connecting an HDMI Connection

External devices may have different connecting terminals.



Connecting via HDMI

- 1 Connect the [HDMI 1] 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 1>.
- 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.

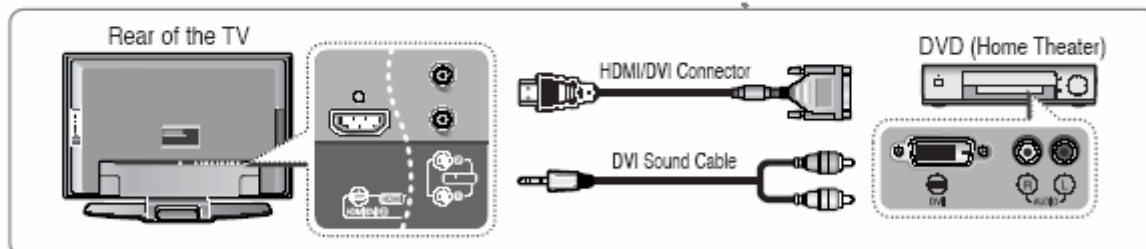
What is HDMI ?

- 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

External devices may have different connecting terminals.



Connecting via DVI

- 1 Connect the [HDMI/DVI 2] 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 via the DVI connector

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

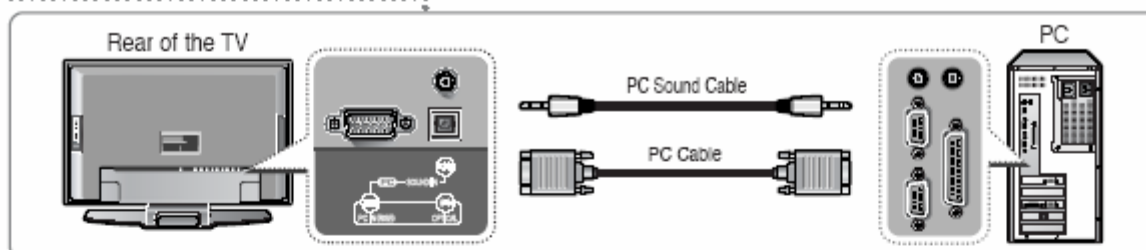
Useful Tips

- 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

External devices may have different connecting terminals.



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 sound input] and the PC audio output using a PC sound cable.
- 3 After this is completed, turn on the power of the TV and the PC.

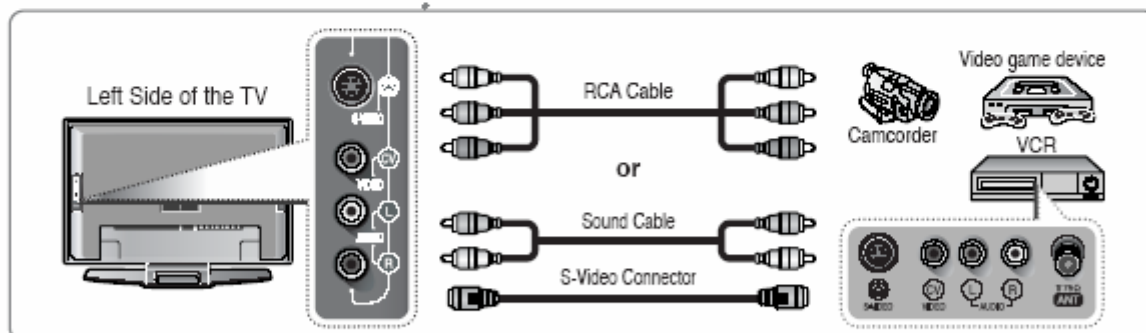
Watching a PC screen on a TV

- 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 Adjust the PC screen.



Connecting to the RCA or S-Video Input (Side AV3)

External devices may have different connecting terminals.



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 [Video3 / S-Video Input left / right] (white / red).

For RCA Input

- 1 Connect the RCA cable to the input jacks (video + audio L/R of side AV3) on the TV and output jacks on the external equipment such as a VCR, camcorder and some video game devices.

For S-Video Input

- 1 Connect the S-Video/RCA (sound L/R of side AV3) cable to the input jacks on the TV and output jacks on the external equipment such as a VCR, camcorder and some video game devices.
- 2 If the external equipment has mono audio output, connect it only to left jack of the Audio Input/Output.



Model name			TF-TV4708
LCD	Size		47" Diagona
	Display Size		1039.68 mm (H) x 584.82 mm (V)
	Pixel Pitch		0.5415 mm(H) x 0.5415 mm(V) x RGB
	Pixel Number		1920 x 1080
	Type		a-Si TFT active matrix
	Brightness		550 cd / m²
	Contrast Ratio		1600 : 1 (for AI)
	Viewing Angle		R/L (178), U/D (178)
RF	Air		2 ch ~ 69 ch
	Cable		1 ch ~ 139 ch
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		500 mVrms
PC	Frequency	Horizontal	30 ~ 60 kHz
		Vertical	60 ~ 75 Hz
	Display Colors		16.7 million
	Resolution	Maximum	1280 x 1024, 60 Hz
		Optimum	1360 x 768, 60 Hz
Input Signal	Sync.		H/V Separate, TTL, P or N
	Video Signal		VHF, UHF : 75 ohm unbalanced
Audio Output			15W x 2, 8Ω(L) + 8Ω(R)
Power Supply			Internal Type AC 110 ~ 240V, 50 / 60Hz
Power Consumption			Max. 300W
Stand-by Mode			< 2W
Dimensions (W x H x D)			54.7" x 34.7" x 14.9" (including stand) 54.7" x 32.4" x 5.4" (excluding stand)
Weight			92.6 lbs
Accessories			Remote Control, 2 "AAA" Batteries, Operating Instructions Power Cord