Operational Description

You can connect many types of external equipment to your TV. To view external source images, select the input source from <SOURCE> on the remote control or on the TV.

2-1. Preparation

※   Before connecting your TV to external equipments, please refer to following instructions.

Before Connection :
1. Please read the relevant operation manual (DVD player, etc.) carefully before making connections.
2. Refer to your external equipment operation manual for the signal type.
3. Whenever you connect an audio or video system to your TV, ensure that all elements are switched off.
4. When connecting an external device, match the color of the connection terminal to the cable.
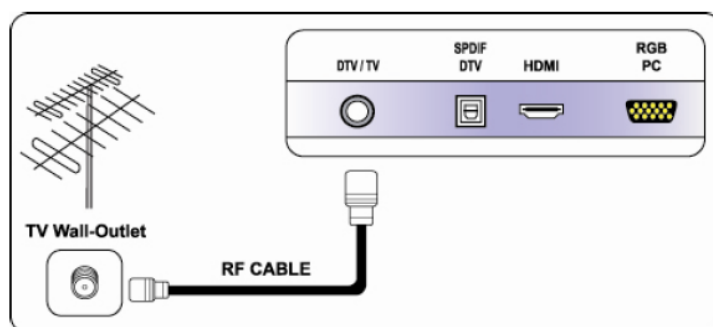
2-2. Connecting Power
1. You can use the TV in USA (ATSC & NTSC area).
2. The TV automatically adjusts voltage.
   Before connecting power, please check your power adapter type for wall outlet connection.
3. Power cable should be firmly connected to the wall outlet and DC adapter in order not to be pulled out or shake.

2-3. Connecting TV Antenna

1. Connect RF cable to TV <ANTENNA> & <CABLE> input connector with an outdoor or wall outlet antenna output.

   ▣ For watching analog TV, please connect wall outlet with [Cable] input.

   ▣ For watching digital TV, please connect wall outlet with [Antenna] input.
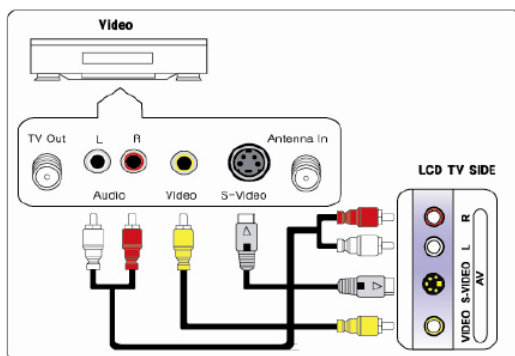
2. Turn on the TV after all connection.

▶ Watching Analog TV & Digital TV
   Analog TV signal has its channel number structure of 1, 2, 3, 4, 5, etc., but Digital TV signal has its channel number structure of 1-1, 2-1, 3-1, 4-1, 5-1, etc.
   If you press TV button on the remote control, its input source chances from Analog to Digital or Digital to Analog.
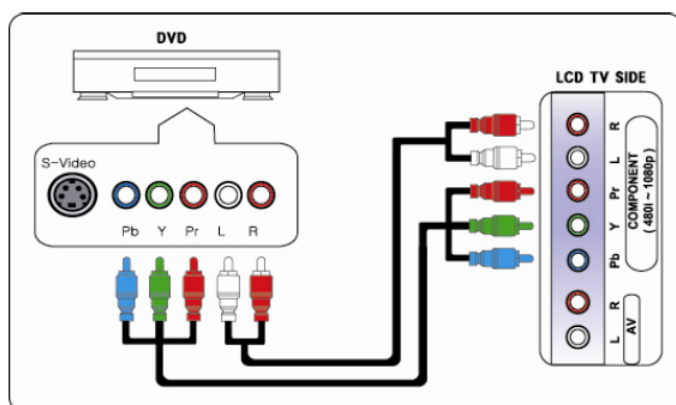
Operational Description

2-4. Connecting Video / S-Video

1. Connect Video/Audio cable and S-Video cable to video port of the TV and camcorder, game machines, VCR, DVD player or Set-Top box.
2. Cables must be connected to ports of the same colors.
3. Video & S-Video use same audio line, so if you connect different external equipments with video & S-Video, you can listen only one sound of two different equipment.
4. Press SOURCE button on the remote control and select Video or S-video.
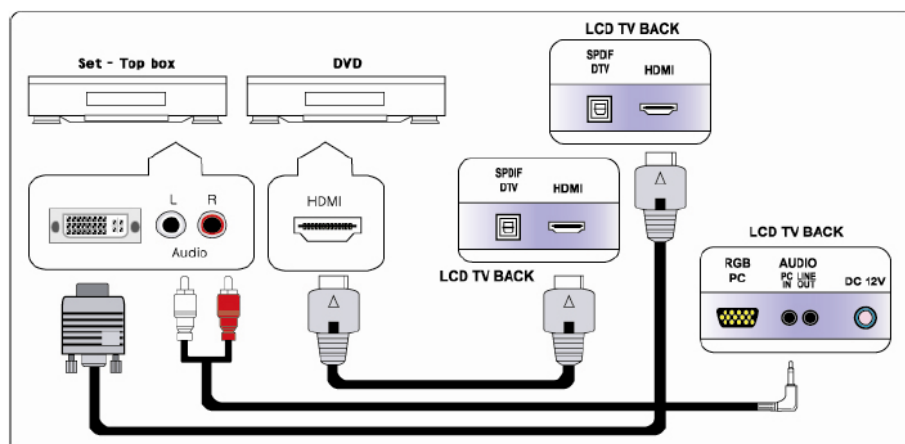   # Video, S-Video and audio cables are not included.

2-5. Connecting DVD

1. Connect component cable to component ports of TV and DVD player, VCR, Set-Top box or camcorder.
2. Cables must be connected to ports of the same colors.
   # Component and audio cables are not included.
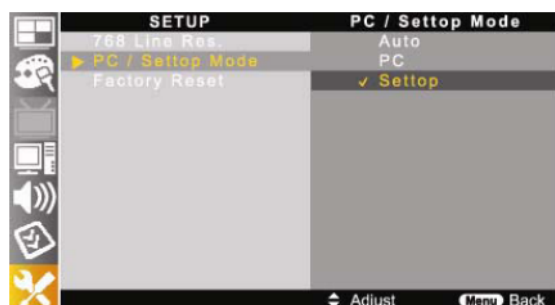
Operational Description

2-6. Connecting HDMI

1. Connect HDMI cable to HDMI ports of TV and DVD player, VCR, Set-Top box or camcorder.
2. If you would like to connect DVI of external equipment to the TV, you must use specific DVI to HDMI cable.
    # HDMI and audio cables are not included.

▶ For watching digital (DVD, Camcorder, etc) signal ;
1. Press Source button on the remote control and select HDMI.
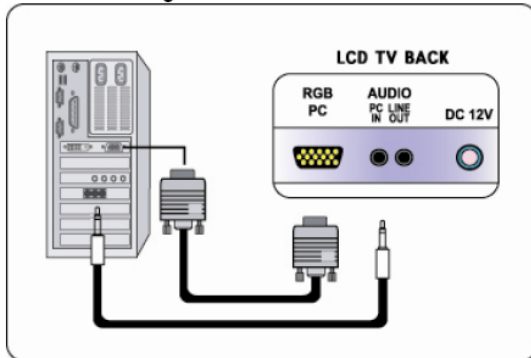2. Go into SETUP menu (MENU-> SETUP-> PC/Settop Mode) and select <Settop>.

○CAUTION :
1. HDMI does not support PCM (Pulse Code Modulation) type.
(It does not support 5.1 CH Dolby Surround.)
2. If you select Dolby system on your AV equipment, there will be no sound.
3. HDMI supports up to Ver. 1.1.

Operational Description

2-7. Connecting PC

1. Connect D-Sub cable to D-Sub port on the TV and PC.
2. Connect audio cable to audio output of a PC (stereo jack) and PC audio input port of the TV.
   # D-Sub & stereo cables are not included.
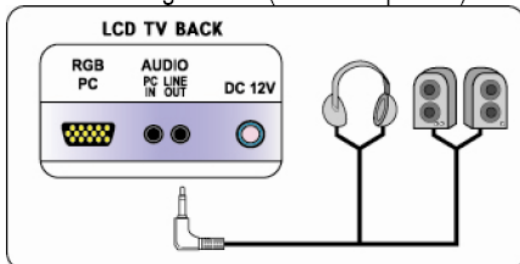
⟳ **NOTE** :
 # Optimal Resolution is 1024 X 768 @ 60Hz.

▶ For selecting PC input source;
1. Press PC or Source button on the remote control to select PC (RGB) source.

☞ **NOTE : Select PC mode on the menu (Menu->Setup->PC/Settop Mode).**

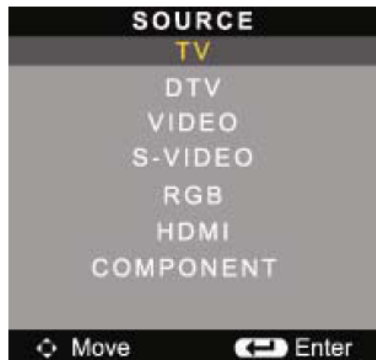## 2-8. Connecting Lineout (External Speaker)

1. Connect External Speaker to the Lineout port of the TV.
2. Please use 8ohms impedance headphone or external speaker. Otherwise output volume may be too low or too loud.
3. In case of connecting to speakers, connect speakers with amps. If connected with speakers without amps, the output volume may be low.

Operational Description

2-9. Source Selection

1. Press SOURCE button on the remote control and select input source.
2. Each time SOURCE is pressed, source item toggles between <TV → DTV → VIDEO → S-VIDEO → RGB → HDMI → COMPONENT>.
3. If you would like to select input source without changing screen image, press SOURCE button and move to your wishes input source by pressing ◄/► /▲ /▼ buttons and enter (↵) to select.

Operational Description

Specification

Product Name		15inch TFT-LCD TV
LCD Panel	Type	Amorphous Silicon TFT-LCD
	Size	15inch (diagonal length)
	Resolution	1024 (H) x 768 (V)
	Pixel Pitch	0.297mm x 0.297mm
	Contrast Ratio	500 : 1
	Brightness	450cd/m^2
	Active Area	304.1mm x 228.1mm
	Viewing Angle	L/R : 120° / U/D : 100°
TV Broadcasting System		VHF: 2~13 UHF: 14~69
		Cable : 1, 14~135
		ATSC/QAM Digital Channel
Audio Output		3W x 2 / Stereo & MTS
PC Monitor	Horizontal Frequency	30 ~ 61KHz
	Vertical Frequency	60 ~ 75Hz
	Colors	16M colors (6bit with FRC)
	Optimal Resolution	XGA : 1024 (H) x 768 (V)
Power	Adaptor Input	100V ~ 240V (Free Voltage)
	Adaptor Output	DC 12V
Power Consumption	In-Operation	< 50W
	Power-Saving Mode / OFF	< 3W
Energy Saving Mode		VESA DPMS