



- **1** Connect the video outputs (Y, P_B, P_R) of the DVD to the **COMPONENT IN VIDEO** jacks on the set.
- 2 Connect the audio outputs of the DVD to the **COMPONENT IN AUDIO** jacks on the set.
- 3 Turn on the DVD player, insert a DVD.
- Select Component 1 input source with using the INPUT button on the remote control.
 If connected to COMPONENT 2, select Component 2 input source.
- **5** Refer to the DVD player's manual for operating instructions.

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• Component Input ports To get better picture quality, connect a DVD player to the component input ports as shown below.

Component ports on the TV	Y	Рв	PR
	Y	Pb	Pr
Video output ports on DVD player	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Рв	PR

HDSTB Setup

This TV can receive Digital Over-the-air/Cable signals without an external digital set-top box. However, if
you do receive Digital signals from a digital set-top box or other digital external device, refer to the figure
as shown below.



When connecting with a Component cable



- Connect the video outputs (Y, PB, PR) of the digital set-top box to the COMPONENT IN VIDEO jacks on the set.
- Connect the audio output of the digital set-top box to the COMPONENT IN AUDIO jacks on the set.
- 3 Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
- Select Component 1 input source with using the INPUT button on the remote control.
 If connected to COMPONENT 2, select Component 2 input source.

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Signal	Component1/2	HDMI1/DVI, HDMI2
480i	Yes	No
480p/720p/1080i	Yes	Yes



When connecting with a HDMI to DVI cable

AV Out Setup

- The TV has a special signal output capability which allows you to hook up a second TV or monitor.



Digital Audio Output

- Send the TV's audio to external audio equipment (stereo system) via the Digital Audio Output Optical port.



- Connect one end of an optical cable to the TV Digital Audio Optical Output port.
- Connect the other end of the optical cable to the digital audio optical input on the audio equipment.
- See the external audio equipment instruction manual for operation. When connecting with external audio equipments, such as amplifiers or speakers, please turn the TV speakers off. (Refer to p.41)

CAUTION

Do not look into the optical output port. Looking at the laser beam may damage your vision.

PC Setup

- This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings.



THY

- 1. Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use.
- When Source Devices connected with HDMI/DVI Input, output PC Resolution (VGA, SVGA, XGA, WXGA), Position and Size may not fit to Screen.Press the ADJUST button to adjust the screen Position of TV SET and contact an PC graphics card service center.
- When Source Devices connected with HDMI/DVI Input, output TV SET Resolution (480p, 720p, 1080i. 1080p) and TV SET Display fit EIA/CEA-861-B Specification to Screen. If not, refer to the Manual of HDMI/DVI Source Devices or contact your service center.
- 4. In case HDMI/DVI Source Devices is not connected Cable or poor cable connection, "NO SIGNAL" OSD display in HDMI/DVI Input. In case that Video Resolution is not supported TV SET output in HDMI/DVI Source Devices, "INVALID FORMAT" OSD display. Refer to the Manual of HDMI/DVI Source Devices or contact your service center.
- 5. Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC, HDMI/DVI mode. If noise is present, change the PC or HDMI/DVI mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.
- 6. Avoid keeping a fixed image on the TV's screen for a long period of time. The fixed image may become permanently imprinted on the screen.
- 7. The synchronization input form for Horizontal and Vertical frequencies is separate.

Supported Display Resolution (RGB-PC, HDMI1/DVI, HDMI2 Mode)

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
640x350	31.468	70.08	* 720×480	31.469	59.94
720x400	31.469	70.08	7201400	31.500	60.00
640x480	31.469	59.94	*1000,700	44.96	59.94
800x600	37.879	60.31	*1280x720	45.00	60.00
1280x768	47.7	60	*1920x1080i	33.72	59.94
1360x768	47.7	60	1020010001	33.75	60.00
1366x768	47.1	60	*****	27.00	24.00
1024x768	48.363	60.00	~1920x1080p	33.75	30.00
			* This format	is only for HDMI-DT	V input.

Screen Setup for PC mode

- When RGB connect to PC input and select the RGB-PC, this function is used.

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- When HDMI/DVI connect to PC input and select HDMI/DVI input, this function is used.
- After connecting RGB-PC or HDMI/DVI to PC input and checking the screen quality.

* Adjustment for screen Resolution, Position, Size, and Phase



🖶 Resolution	✓ 1024 X	768	
Dosition			
📄 Size			
🔚 Phase			
🚺 Reset			
	िक्सी Prev		۱ŀ

- **1** Press the **ADJUST** button and then use \blacktriangle / \blacktriangledown button to select **Resolution**, **POSITION**, **SIZE**, or **PHASE**.
- 2 Press ENTER button and then use ▲ / ▼ / ◄ / ► buttons to make appropriate adjustments.
 - The **PHASE** adjustment range is -16 ~ +16. (In HDMI/DVI-PC mode, **PHASE** is not available.)
 - The **SIZE** adjustment range is -30 ~ +30.
 - (In HDMI/DVI-PC mode, SIZE is not available.)
- **3** Press ENTER button.
- * When you change the resolution, select the proper resolution in present input to see the best picture appearance.

* Initializing (Reset to original factory values)



- To initialize the adjusted values

Resolution	
Dosition	
Size	
🚍 Phase	Initialize Settings
U Reset	Yes No
	🕮 Prev 💠 Move © Ok

- Press the ADJUST button and then use ▲ / ▼ button to select the RESET option.
- 2 Press ENTER button and then use ◀ / ► button to select Yes.
- 3 Press ENTER button.

Operation Basic operation

Turning on the TV

1. First, connect power cord correctly. At this moment, the TV switches to standby mode.

In standby mode to turn TV on, press the 0/1, **INPUT**, **CH** \land / \checkmark button on the TV or press the **POWER**, **TV INPUT**, **INPUT**, **CH** \land / \checkmark , Number (0 ~ 9) button on the remote control.

 Select the viewing source by using TV INPUT, INPUT button on the remote control. This TV is programmed to remember which power state it was last set to, even if the power cord is out.

3. When finished using the TV, press the **POWER** button on the remote control. The TV reverts to standby mode.

Volume Adjustment

- 1. Press the VOL ▲ / ▼ button to adjust the volume.
- 2. If you want to switch the sound off, press the MUTE button.
- 3. You can cancel this function by pressing the MUTE or VOL ▲ / ▼ button.

Channel Selection

Press the CH ▲ / ▼ or NUMBER buttons to select a channel number.

• If you intend to be away on vacation, disconnect the power plug from the wall power outlet.

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- The menus can be shown on the screen in the selected language. First select your language.



- **1** Press the **MENU** button and then use \blacktriangle / \blacktriangledown button to select the **OPTION** menu.
- **2** Press the \blacktriangleright button and then use \blacktriangle / \blacktriangledown button to select **Language**.
- 3 Press the ► button and then use ▲ / ▼ button to select your desired language. From this point on, the on-screen menus will be shown in the selected language.
- **4** Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.

On Screen Menus Language Selection

On Screen Menus Selection and Adjustment

How to adjust the OSD screen

- 1. Press the **MENU** button and then ▲ / ▼ button to select each menu.
- 2. Press the ► button and then use ▲ / ▼ / ◀ / ► button to display the available menus.







Setup Menu Options



EZ Scan (Channel Search)



- Automatically finds all channels available through antenna or cable inputs, and stores them in memory on the channel list.
- Run EZ Scan again after any Antenna/Cable connection changes.
- A password is required to gain access to EZ Scan menu if the Lock System is turned on.
- **1** Press the **MENU** button and then use \blacktriangle / \blacktriangledown button to select the **SETUP** menu.
- **2** Press the \blacktriangleright button and then use \blacktriangle / \blacktriangledown button to select **EZ Scan**.
- **3** Press the **ENTER** button to begin the channel search. Allow EZ Scan to complete the channel search cycle for ANTENNA, and CABLE.
- SETUP EZ Scan VIDEO AUDIO Channel Edit DTV Signal Input Source Input Label Set ID
- A password is required to gain access to Manual Scan menu if the Lock System is turned on.

Manual Scan

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- **1** Press the **MENU** button and then use \blacktriangle / \blacktriangledown button to select the **SETUP** menu.
- **2** Press the \blacktriangleright button and then use \blacktriangle / \blacktriangledown button to select **Manual Scan**.
- 3 Press the ► button and then use ▲ / ▼ button to select TV, DTV, CATV, and CADTV.
- 4 Press the ► button and then use ▲ / ▼ button to select channel number you want to add or delete.
- **5** Press the **ENTER** button to add or delete for the channel number.
- 6 Press EXIT button to return to TV viewing or press MENU button to return to the previous menu.