

EXTERNAL EQUIPMENT SETUP

PC SETUP

This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings. The TV perceives 640x480, 60Hz as DTV 480p based on the PC graphic card. If necessary, change the screen scanning rate for the graphic card accordingly.

When connecting D-sub 15 pin cable

1. How to connect

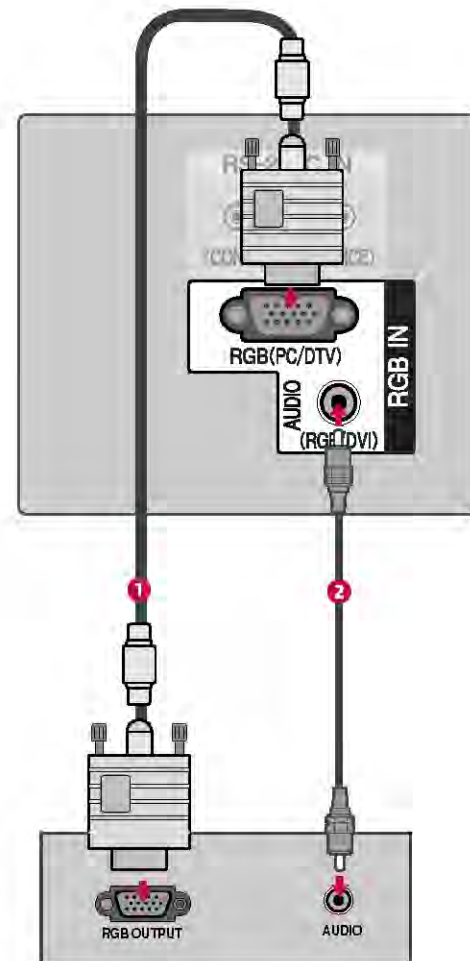
- 1 Connect the RGB output of the PC to the **RGB (PC/DTV)** jack on the set.
- 2 Connect the PC audio output to the **AUDIO (RGB/DVI)** jack on the set.

2. How to use

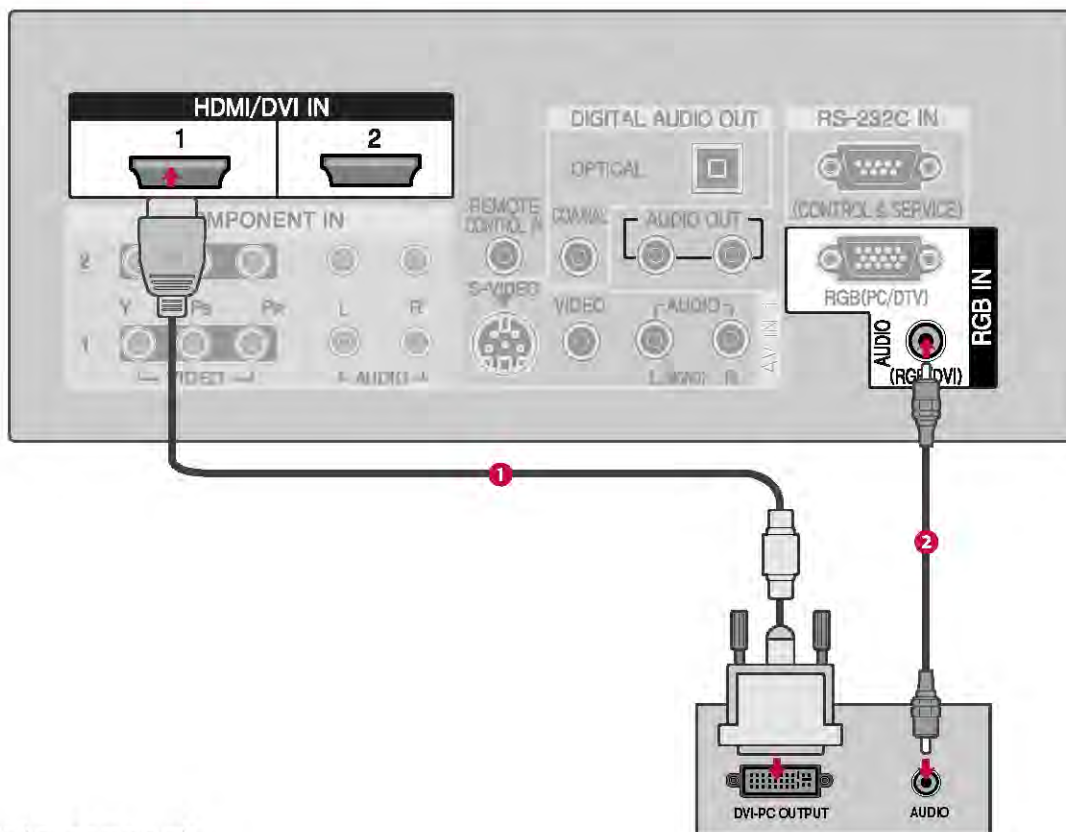
- Turn on the PC and the set.
- Select **RGB-PC** input source in main input option of **SETUP** menu. (▶ p.87)
- Once you select **RGB-PC** in main input option of **SETUP** menu, **INPUT** button is also available for this purpose.

NOTE

- ▶ Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the **VIDEO** 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.



When connecting HDMI to DVI cable



1. How to connect

- 1 Connect the DVI output of the PC to the **HDMI/DVI IN 1** jack on the set.
- 2 Connect the PC audio output to the **AUDIO(RGB/DVI)** jack on the set.

2. How to use

- Turn on the PC and the set
- Select **HDMI1/DVI** input source with using the **INPUT** button on the remote control.

NOTE

- ▶ HDMI2 source does not support DVI source.
- ▶ If the PC has a DVI output and no HDMI output, a separated audio connection is necessary.
- ▶ If the PC does not support Auto DVI, you need to set the output resolution appropriately. To get the best picture quality, adjust the output resolution of PC graphics card's output resolution to 1024x768, 60Hz.

EXTERNAL EQUIPMENT SETUP

NOTES

- ▶ To get the the best picture quality, adjust the PC graphics card to 1024x768, 60Hz.
- ▶ Depending on the graphics card, DOS mode may not work if a HDMI to DVI Cable is in use.
- ▶ When Source Devices are connected with HDMI/DVI Input, the output PC Resolution(VGA, SVGA, XGA), Position and Size may not fit on the Screen. As shown in the picture, press the ADJUST button to adjust the screen Position of the TV SET and contact a PC graphics card service center.
- ▶ When Source Devices connected with HDMI/DVI Input, output TV SET Resolution (480p, 720p, 1080i) 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.
- ▶ If the HDMI/DVI Source Device is not connected to the Cable or if there is a poor cable connection, "No signal" is displayed in the HDMI/DVI Input. In this case, that Video Resolution is not supported. If "Invalid Format" is displayed, refer to the Source Device manual or contact your service center.
- ▶ Avoid keeping a fixed image on the screen for a long period of time. The fixed image may become permanently imprinted on the screen.
- ▶ The synchronization input form for Horizontal and Vertical frequencies is separate.

Supported Display Specifications (RGB/HDMI-PC)

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
640x350	31.468	70.09
720x400	31.469	70.08
640x480	31.469	59.94
	37.861	72.80
	37.500	75.00
800x600	35.156	56.25
	37.879	60.31
	48.077	72.18
	46.875	75.00
1024x768	48.363	60.00
	56.476	70.06
	60.023	75.02
1280x768	47.776	59.870
1360x768	47.720	59.799

* RGB-PC mode only: 640x350, 720x400

* HDMI-PC mode only: 1280x768

Supported Display Specifications (RGB/HDMI-DTV)

Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
720x480	31.47	60
	31.47	59.94
1280x720	45.00	60.00
	44.96	59.94
1920x1080	33.75	60.00
	33.72	59.94

EXTERNAL EQUIPMENT SETUP

Screen Setup for PC mode

Overview

When RGB connect to PC output and select the RGB-PC in Main Input, this function is used.

When HDMI IN 1 (DVI) connect to PC output and select HDMI1/DVI input, this function is used.

In RGB-DTV mode, SIZE and PHASE is not available.

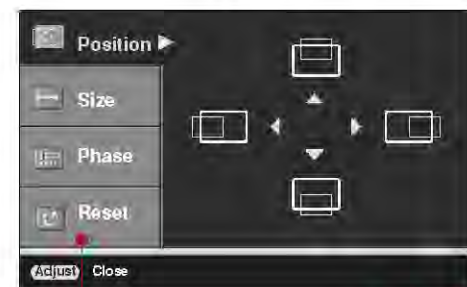
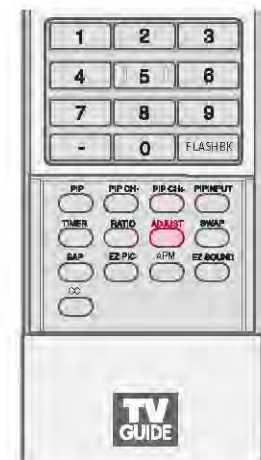
Adjustment for screen Position, Size, Phase, Reset

- 1 Press the **ADJUST** button and then use **▲** or **▼** button to select **Position**, **Size**, or **Phase**.
- 2 Press the **ENTER** button and then use **▲ / ▼** or **◀ / ▶** button to make appropriate adjustments.
 - The **Phase** adjustment range is -16 ~ +16.
 - The **Size** adjustment range is -30 ~ +30.
- 3 Press the **ENTER** button.

Initializing (Reset to original factory values)

To initialize the adjusted values.

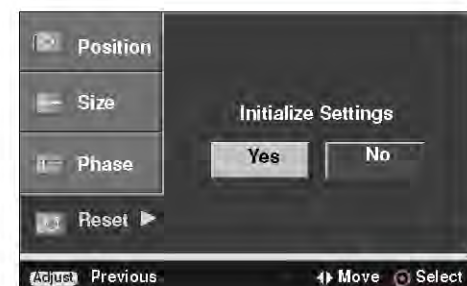
- 1 Press the **ADJUST** button and then use **▲** or **▼** button to select **Reset**.
- 2 Press the **ENTER** button and then use **◀** or **▶** button to select **Yes**.
- 3 Press the **ENTER** button.



Position This function is to adjust picture to left/right and up/down as you prefer.

Size This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.

Phase This function allows you to remove any horizontal noise and clear or sharpen the image of characters. In HDMI/DVI-PC mode, PHASE is not available.



AUDIO OUT SETUP

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

1. How to connect

Analogue

- 1 Connect audio outputs to the TV's **AV OUT** or **DIGITAL AUDIO OUT COAXIAL** jacks.
- 2 Set the "TV Speaker option - Off" in the AUDIO menu. (▶ p.113). See the external audio equipment instruction manual for operation.

Digital

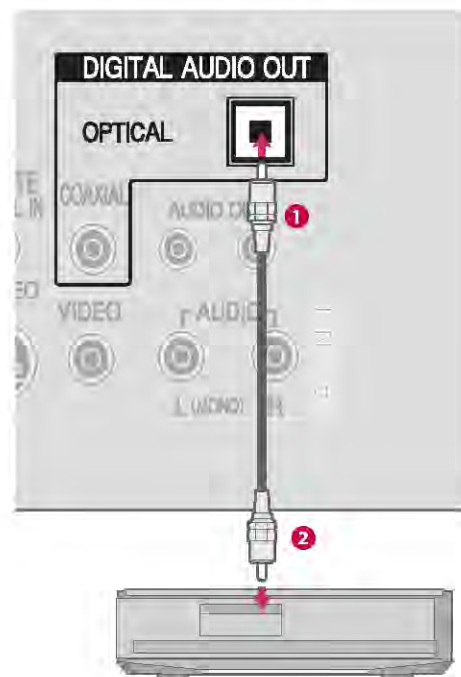
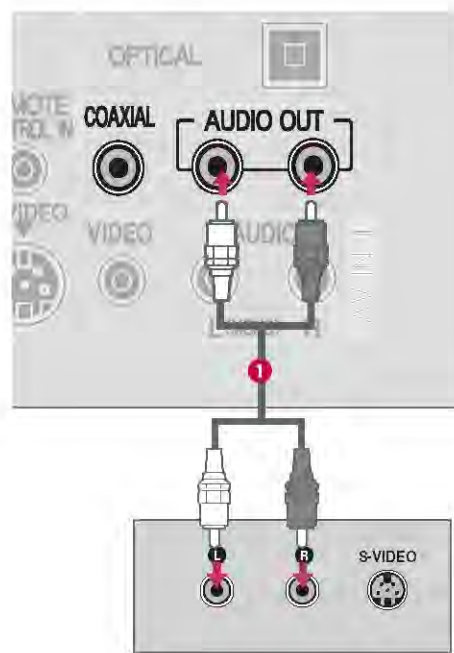
- 1 Connect one end of an optical cable to the TV Digital Audio (Optical) Output port.
- 2 Connect the other end of the optical cable to the digital audio (optical) input on the audio equipment.
- 3 Set the "TV Speaker option - Off" in the AUDIO menu. (▶ p.113). See the external audio equipment instruction manual for operation.

NOTE

- ▶ When connecting with external audio equipment, such as amplifiers or speakers, please turn the TV speakers off. (▶ p.113)

CAUTION

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



WATCHING TV / CHANNEL CONTROL

REMOTE CONTROL FUNCTIONS

When using the remote control, aim it at the remote control sensor on the TV.

MODE Select the remote operating mode: TV, DVD, VCR, AUDIO, CABLE or STB.

XSTUDIO PRO mode control buttons

- Use for DVR record or trick play. ▶ p.78, 86
- Controls the **XStudio** mode.
- For further details, see the **DVR** section.

VCR/DVD buttons Control video cassette recorders or DVD players.

DAY+/DAY- Move the Listings Grid forward or backward in 24 hour increments.

MENU Displays the main menu. Enters or exits a Panel Menu in the TV Guide On Screen system.

TV GUIDE Displays the TV Guide On Screen system. ▶ p.51

XSTUDIO PRO Enter to the **XStudio** mode.

THUMBSTICK (Up/Down/Left Right/ENTER) Navigate the on-screen menus and adjust the system settings to your preference.

EXIT Clear all on-screen displays and return to TV viewing from any menu.

MARK Enter the selected functions. ▶ p.84

INFO Enter the selected functions. ▶ p.84

SIMPLINK See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.

VOLUME UP /DOWN Increase/decrease the sound level.

MUTE Switch the sound on or off. ▶ p.41

FAV Scroll through the programmed Favorite channels.

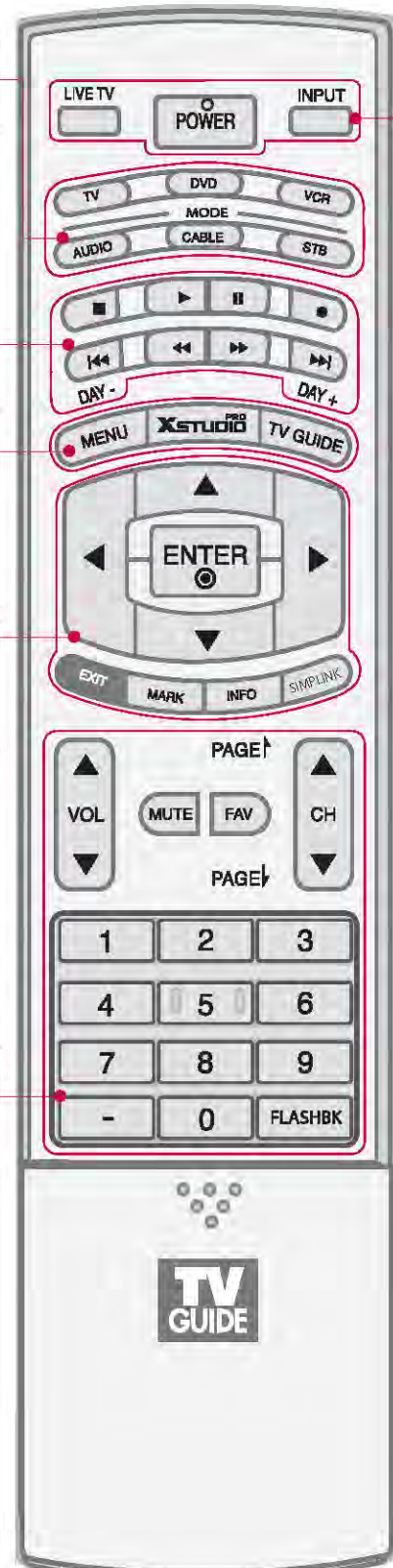
CHANNEL UP/DOWN Select available channels.

PAGE UP/ PAGE DOWN Move from one full set of screen information to the next one.

NUMBER button

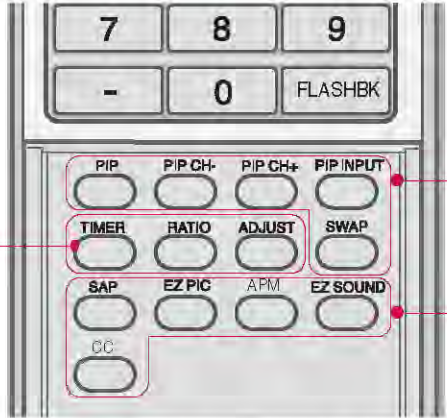
FLASHBK Tune to the last channel viewed.

— (DASH) Used to enter a program number for multiple program channels such as 2-1, 2-2, etc.



- POWER** Turns your TV or any other programmed equipment on or off, depending on the mode.
- LIVE TV** In AV 1-2, Component 1-2, RGB-DTV (or RGB-PC), HDMI1/DVI, and HDMI2 input sources, screen returns to the last TV channel.
- INPUT** External input modes rotate in regular sequence: Antenna, Cable, AV1-2, Component 1-2, RGB-DTV (or RGB-PC), HDMI1/DVI and HDMI2 (AV 1-2, Component 1-2, RGB-DTV (or RGB-PC), HDMI1/DVI, and HDMI2 input sources are linked automatically, only if these are connected).

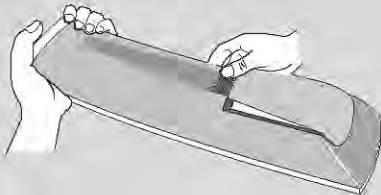
Inside the Sliding Cover



The diagram shows a control panel with the following buttons: 7, 8, 9, -, 0, FLASHBK, PIP, PIP CH-, PIP CH+, PIP INPUT, TIMER, RATIO, ADJUST, SWAP, SAP, EZ PIC, APM, EZ SOUND, and CC. Red lines connect these buttons to their respective descriptions on the right.

- PIP** Switches the sub picture PIP, POP, Twin picture or off mode. ▶ p. 90
- PIPCH-/PIPCH+** Changes the PIP channel. ▶ p. 91
- PIP INPUT** Select the connected input source for the sub-picture. ▶ p. 91
- SWAP** Exchange the main/sub images. ▶ p. 92
- SAP** Select MTS sound: Mono, Stereo, and SAP analog mode. Change the audio language DTV mode.
- EZ PIC** Adjust the factory preset picture depend on the viewing environment.
- APM** Compare the Daylight, Normal, Night Time and User1 (or2) on the screen. ▶ p. 96
- EZ SOUND** Select the appropriate type of sound for type of program.
- CC** Select closed caption. ▶ p. 116
(*In DTV/CADTV modes ▶ p. 117)
- TIMER** Select the amount of time before your TV turns off automatically. ▶ p.120
- RATIO** Change the aspect ratio. ▶ p.94
- ADJUST** Adjust the screen position, size, and phase in PC mode. ▶ p.35

Installing Batteries



- ▶ Open the battery compartment cover on the back side and install the batteries matching correct polarity (+with +, -with -).
- ▶ Install two 1.5V AA batteries. Don't mix old or used batteries with new ones.
- ▶ Close cover.

Remote control effective range



- ▶ Use a remote control up to 7 meters distance and 30 degree (left/right) within the receiving unit scope.
- ▶ Dispose of used batteries in a recycle bin to preserve environment.

WATCHING TV / CHANNEL CONTROL

TURNING ON TV



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

 - In standby mode, press the **⏻/⏻** (or ON/OFF), **INPUT** **⊙**, **CH** (**▲** or **▼**) button on the TV or press the **POWER**, **INPUT**, **LIVE TV**, **CH** (**▲** or **▼**), **Number (0~9)** button on the remote control.
- 2 Select the viewing source by using the **INPUT** button on the remote control.

 - This TV is programmed to remember which mode it was last set to, even if you turn the TV off.
- 3 When finished using the TV, press the **POWER** button on the remote control. The TV reverts to standby mode.

NOTE

- ▶ If you intend to be away on vacation, disconnect the power plug from the wall power outlet.
- ▶ When the TV is turned on, the indicator will blink red for 15 seconds before the picture is seen.
- ▶ After turning on the TV, it could take up to a week for the TV Guide On Screen system to receive full listings data.

CHANNEL SELECTION

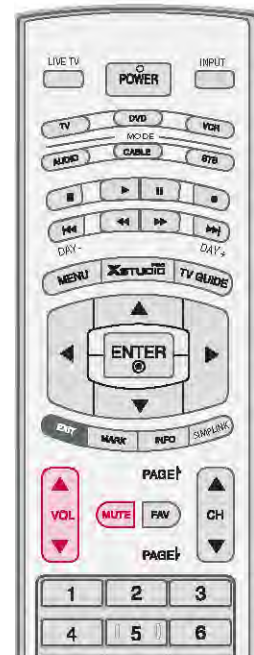
- 1 Press the **CH ▲** or **▼** or **NUMBER** buttons to select a channel number.



VOLUME ADJUSTMENT

Adjust the volume to suit your personal preference.

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



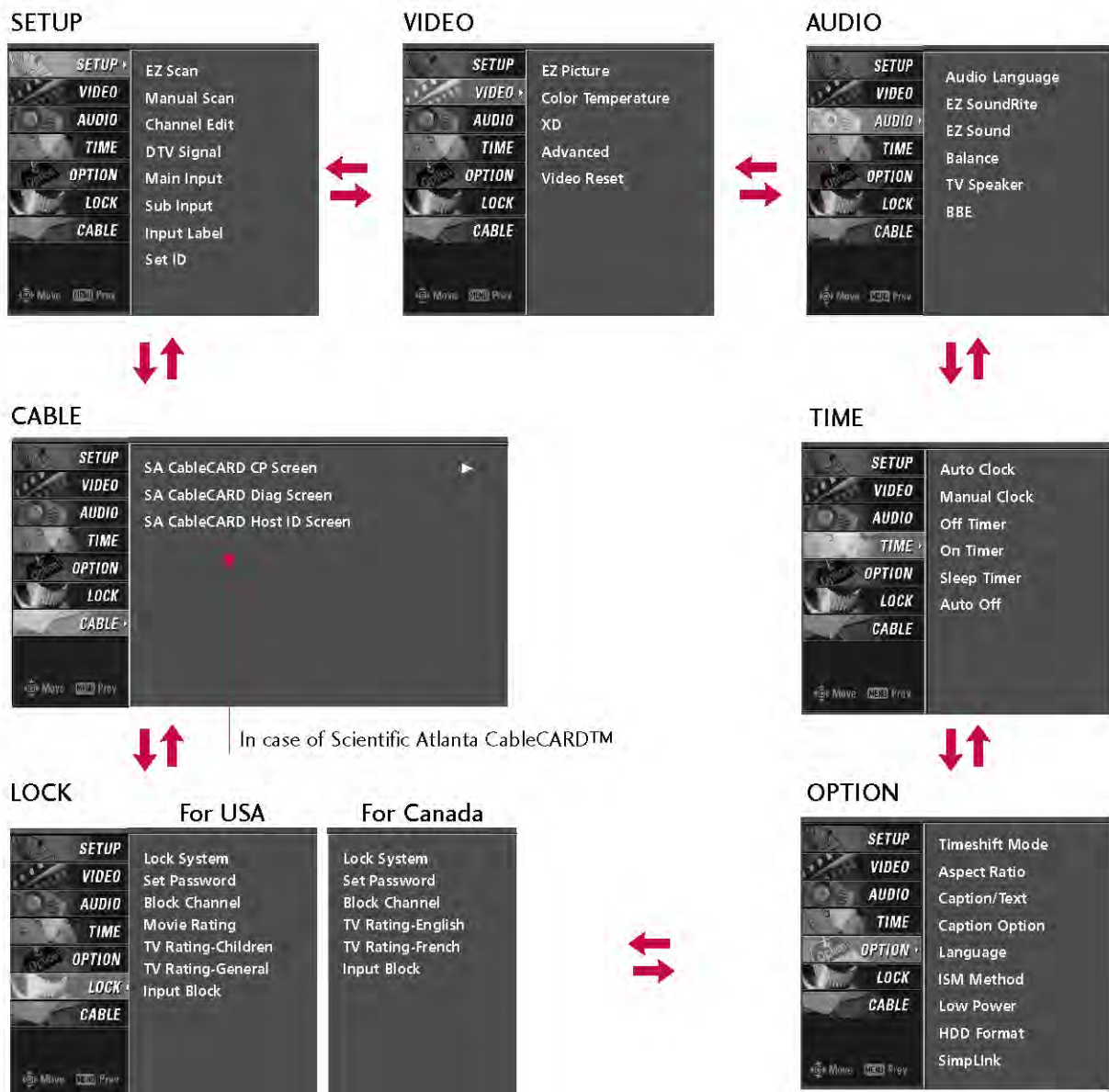
WATCHING TV / CHANNEL CONTROL

ON-SCREEN MENUS SELECTION

Your TV's OSD (On Screen Display) may differ slightly from what is shown in this manual.

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

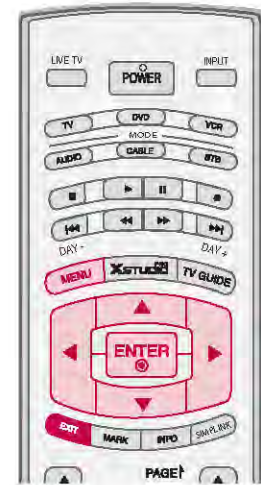
WATCHING TV / CHANNEL CONTROL



AUTO SCAN (EZ SCAN)

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.

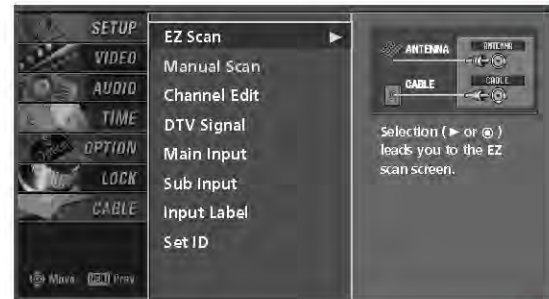
A password is required to gain access to EZ Scan menu if the Lock System is turned on.



- 1 Press the **MENU** button and then use ▲ or ▼ button to select the **SETUP** menu.
- 2 Press the ► button and then use ▲ or ▼ 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**.



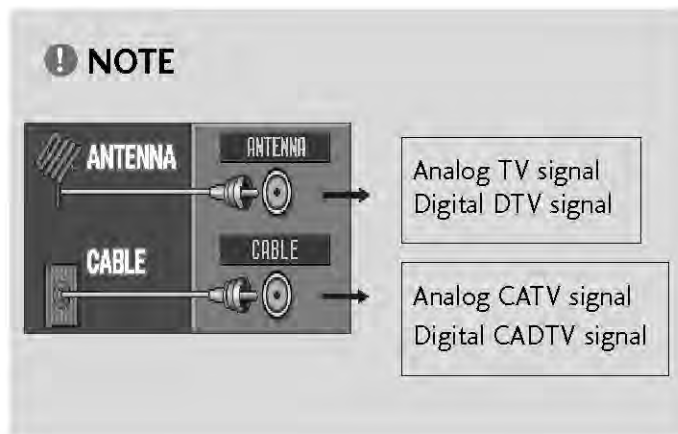
1



2



3

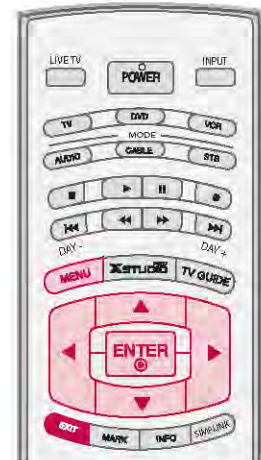


WATCHING TV / CHANNEL CONTROL

ADD/DELETE CHANNEL (MANUAL SCAN)

A password is required to gain access to Manual Scan menu if the Lock System is turned on.

While using the CableCARD™, CATV, CADTV is not working in Manual Scan.



WATCHING TV / CHANNEL CONTROL

1 Press the **MENU** button and then use **▲** or **▼** button to select the **SETUP** menu.

2 Press the **▶** button and then use **▲** or **▼** button to select **Manual Scan**.

3 Press the **▶** button and then use **▲** or **▼** button to select TV, DTV, CATV, and CADTV.

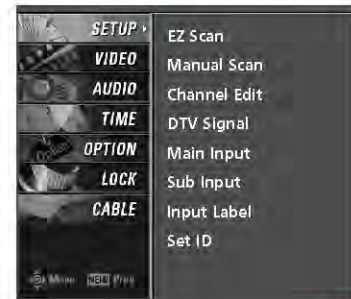
4 Press the **▶** button and then use **▲** or **▼** button to select channel number you want to add or delete.

5 Press the **ENTER** button to add or delete for the channel number.

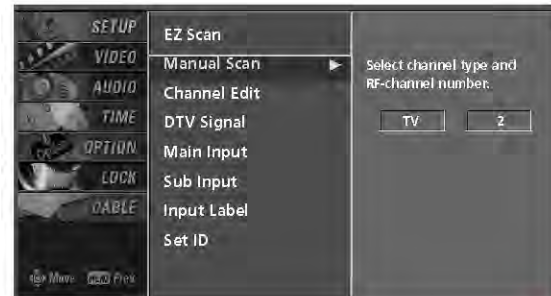
6 Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.

NOTE

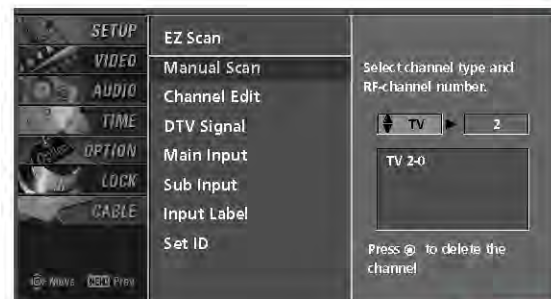
- ▶ This digital channel number is a physical channel number, which is different from the normal channel number shown in Channel Edit.



1



2



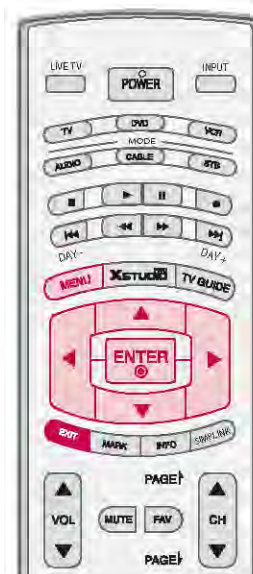
3 4 5

CHANNEL EDITING

From the default channel list created from the EZ Scan channel search, you can create two different types of channel lists in memory: “custom list” and “favorite channel list”.

A custom list can be created by toggling each channel on or off with ENTER button. The channels in the Custom List are displayed in black and the channels deleted from the Custom List are displayed in gray. Once a channel is highlighted you can add or delete the channel by referring to the small window at the top-left corner of the screen.

You can create your own Favorite List. Use the **FAV** button on the remote control when a channel is highlighted and then add or delete the channel to/from your Favorite List.



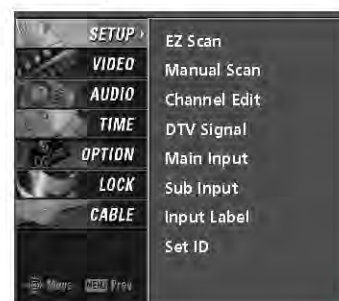
1 Press the **MENU** button and then use ▲ or ▼ button to select the **SETUP** menu.

2 Press the ► button and then use ▲ or ▼ button to select **Channel Edit**.

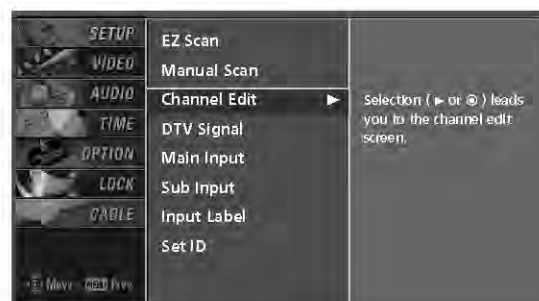
3 Press the ► button. You will now see a screen filled with channel numbers and a preview picture.

4 Use ▲▼◀▶ button to select a channel and then use the **ENTER** button to add or delete it. Press **FAV** button to add the channel to the Favorite List. The surfing icon will appear in front of that channel number.

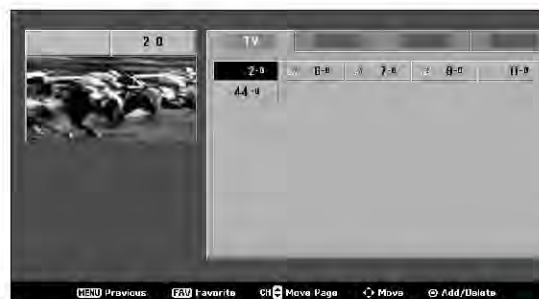
5 Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.



1



2



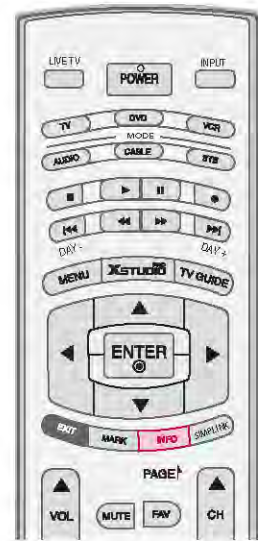
3 4

WATCHING TV / CHANNEL CONTROL

BRIEF INFO.

What is Brief Info.?

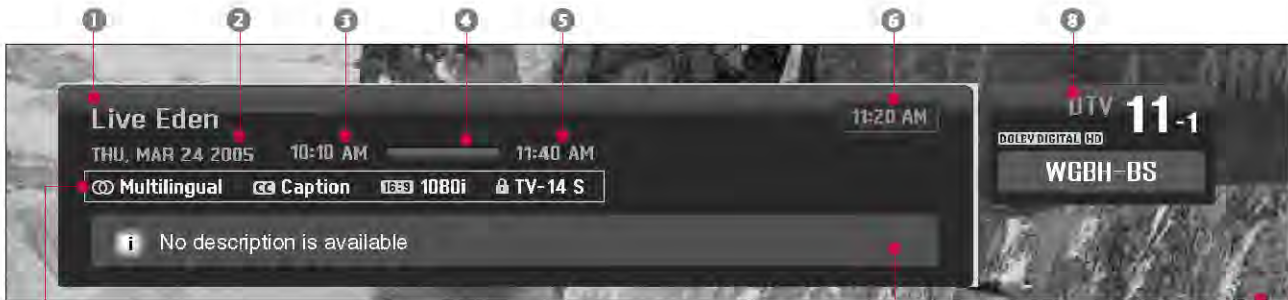
- : Brief Info shows the present screen information.
- : On Watching with the upper Input signal, press the **INFO** button.



How To Use?

1. Press the **INFO** button to show the Brief Info on the screen.
2. Press the **INFO** button or **EXIT** button to exit.

WATCHING TV / CHANNEL CONTROL

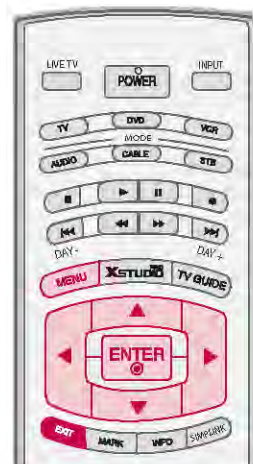


	Multilingual : Press the SAP button to select your choice.
	Caption : Press the CC button to select wanted Closed caption.
	4:3 Screen Ratio of Input Signal 4:3 16:9 Screen Ratio of Input Signal 16:9
	480i Resolution of Input Signal 720x480i 480p Resolution of Input Signal 720x480p 720p Resolution of Input Signal 1280x720p 1080i Resolution of Input Signal 1920x1080i
	Input Signal have rating information. Refer to the <Lock Menu>. D(Dialogue), L(Language), S(Sex), V(Violence), FV(Fantasy Violence)

- ① Program title
- ② Day, Month, Year
- ③ Program start time
- ④ Program progress bar
- ⑤ Program finish time
- ⑥ Present time
- ⑦ Program information
- ⑧ Banner information

INPUT SOURCE SELECTION

Changes the picture source so you can watch your off-air TV, cable TV, VCR, DVD, or any other devices that are connected to your TV.



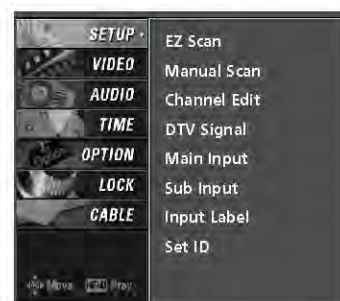
1 Press the **MENU** button and then use ▲ or ▼ button to select the **SETUP** menu.

2 Press the ► button and then use ▲ or ▼ button to select **Main Input**.

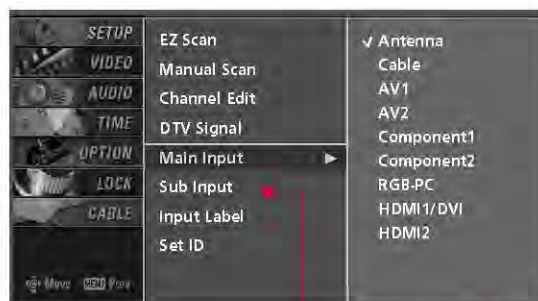
3 Press the ► button and then use ▲ or ▼ button to select the source: Antenna, Cable, AV1, AV2, Component1, Component2, RGB-DTV (or RGB-PC), HDMI1/DVI, HDMI2.

- To toggle RGB-DTV and RGB-PC, select RGB-DTV(or RGB-PC) and press ► button.

4 Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.



1



2 3

Sub Picture Source Selection

Select sources for the **Sub Input** in the **SETUP** menu.

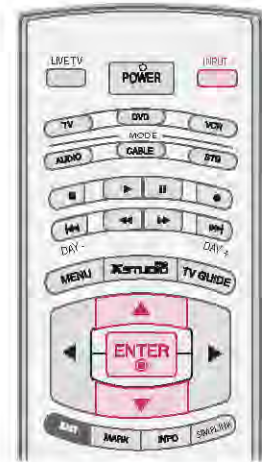
See Page 91 for selecting the input source for the sub picture by pressing the **PIP INPUT** button.

WATCHING TV / CHANNEL CONTROL

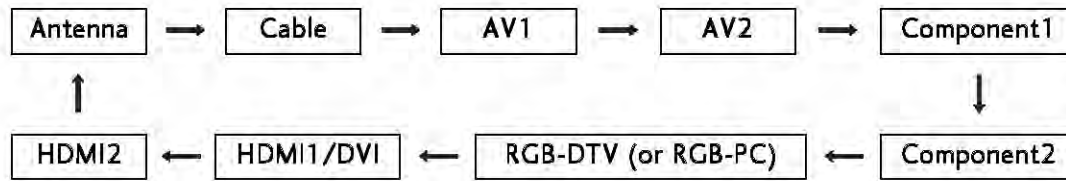
AUTO LINK

Press the **INPUT** button and then displays the connected external equipment list on the screen.

Press the **ENTER** button to change the main input to the active external equipment. Use the **▲** or **▼** button to select the main input source.



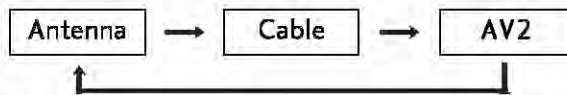
1 When every external equipment is connected:



2 When any external equipment is not connected:



3 When some External Equipment is connected:
(ex: When connected only to AV 2)



■ You can also select **Main Input** in the **Setup** menu.

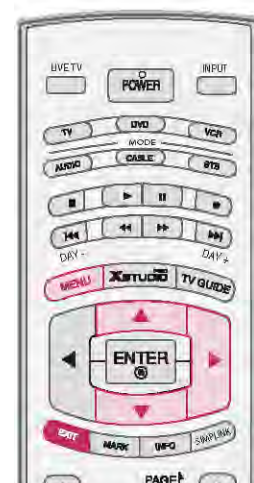
- Antenna** : Select it when watching the TV/DTV.
- Cable** : Select it when watching the CATV/CADTV.
- AV 1, AV 2** : Select it when watching the VCR or external equipment.
- Component 1-2** : Select it when using the DVD or the Digital set-top box depend on connector.
- RGB-PC /RGB-DTV** : Select it when using PC or Digital set-top box depend on connector.
- HDMI1 /DVI, HDMI2** : Select it when using DVD, PC or Digital set-top box depend on connector.



This operates only for the devices with the **Simplink** logo. Please check the **Simplink** logo.

This allows you to control and play other AV devices connected to the display through HDMI cable without additional cables and settings.

- While simplink function is using, Timeshift function is not operated in HDMI1/DVI or HDMI2 mode.



Simplink Preparations

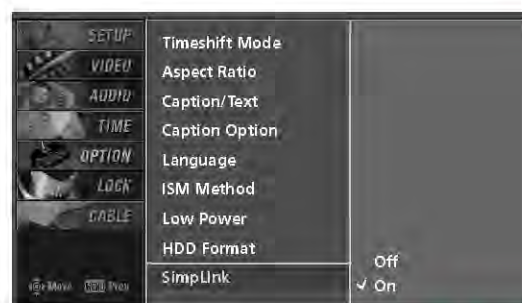
- 1 Connect the HDMI/DVI IN 1, 2 or 3 terminal of the TV to the rear terminal (HDMI output) of the Simplink device with the HDMI cable.
After connecting the HDMI jack for the home theater with simplink function in the above method, connect the DIGITAL AUDIO OUT OPTICAL on the back of the TV to the DIGITAL AUDIO OUT terminal on the back of the simplink device with the Optical cable.

- 2 Press the **MENU** button and then use **▲** or **▼** button to select the **OPTION** menu.

- 3 Press the **▶** button and then use **▲** or **▼** button to select **Simplink**.

- 4 Press the **▶** button and then use **▲** or **▼** button to select **On**.

- 5 Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.



NOTE

- ▶ When operating the external device with Simplink, press the TV button among the MODE button on the remote control.
- ▶ When you switch the Input source with the INPUT button on the remote control, you can stop the operation of device worked by Simplink.
- ▶ When you select or operate the media device with home theater function, the speaker automatically switches to home theater speaker (HT speaker).
- ▶ When you execute 'Recorded TV' function during DVD playback included in home theater, DVD playback stops and the applicable function is executed after switching the input to TV.

WATCHING TV / CHANNEL CONTROL

Simplink Functions









Direct Play

After connecting AV devices to TV, you can directly control the devices and play media without additional settings.

Select AV device

Enables you to select one of AV devices connected to TV and play it.

Disc playback

Control connected AV devices by pressing the , , , , , , , , **ENTER** buttons and buttons for play, pause, stop, fast reverse, fast forward, chapter skip.

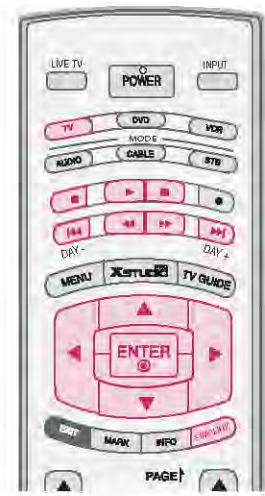
Power off all devices












When you power off TV, all connected devices are turned off.

Switch audio-out

Offers an easy way to switch audio-out.

(A device, which is connected to TV through HDMI cable but does not support Simplink, does not provide this function)



- 1 After selecting the **TV** button of the MODE on the remote control, press the **SIMPLINK** button.
- 2 Use , , ,  button to select the desired device and then press the **MENU** button.
- 3 Control connected AV devices by pressing the , , , , , , , **ENTER** buttons.



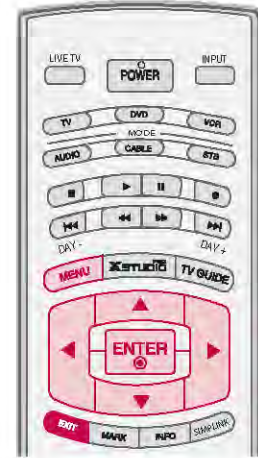
Simplink Menu

- 1 **TV viewing** : Switch to the previous TV channel regardless of the current mode.
- 2 **DISC playback** : Select and play discs. When multiple discs are available, the titles of the discs are conveniently displayed at the bottom of the screen.
- 3 **VCR playback** : Play and control the connected VCR.
- 4 **HDD Recordings playback** : Play and control recordings stored in HDD.
- 5 **Audio Out to HT speaker/Audio Out to TV** : Select HT speaker or TV speaker for Audio Out.

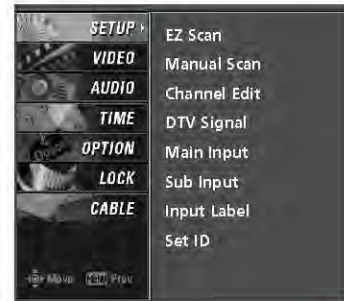


INPUT LABEL

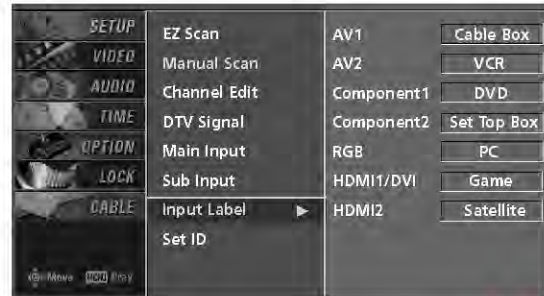
Sets a label to each input source which is not in use when you press INPUT button.



- 1 Press the **MENU** button and then use ▲ or ▼ button to select the **SETUP** menu.
- 2 Press the ► button and then use ▲ or ▼ button to select **Input Label**.
- 3 Press the ► button and then use ▲ or ▼ button to select the source: AV1, AV2, Component1, Component2, RGB, HDMI1/DVI or HDMI2.
- 4 Press the ▲ or ▼ button to select the label.
- 5 Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.



1



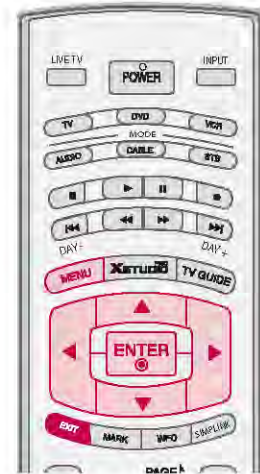
2 3

WATCHING TV /CHANNEL CONTROL

DTV SIGNAL STRENGTH

This feature displays the DTV signal levels being received and indicates whether you need to adjust your antenna or digital cable input. The higher the signal strength, the less likely you are to experience picture degradation.

DTV Signal: This function is only available when the input signal is DTV or CADTV.

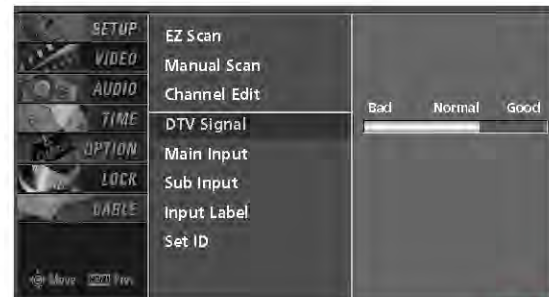
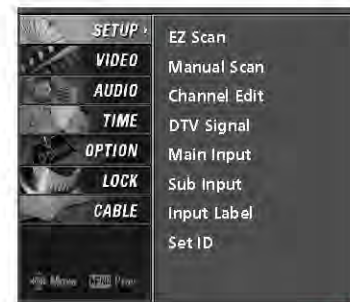


1 Press the **MENU** button and then use ▲ or ▼ button to select the **SETUP** menu.

2 Press the ► button and then use ▲ or ▼ button select **DTV Signal**.

3 View the on-screen signal strength monitor to see the quality of the signal being received.

4 Press **EXIT** button to return to TV viewing or press **MENU** button to return to the previous menu.



3

TV GUIDE ON SCREEN™ SYSTEM

SETUP OF TV GUIDE ON SCREEN™

The TV Guide On Screen system uses Setup information to provide you with show listings and lineups in your area—which are updated several times a day.

Once you set up the TV according to manufacturer's instructions, you are ready to set up the TV Guide On Screen system.

NOTE

- ▶ The TV Guide On Screen system provides listings for cable-ready, and digital cable services as well as over-the-air broadcast. It does not provide listings for satellite services.

TV GUIDE ON SCREEN™ SYSTEM



Ready to setup

1 Welcome Screen

The TV Guide On Screen system's Welcome Screen appears:

- By pressing the **TV Guide** button
- When you power On your TV if you previously skipped "Set up TV Guide On Screen now" on the Reminder Screen.

The Welcome Screen highlights features of the TV Guide On Screen system.

Press **ENTER** to begin Setup.



1

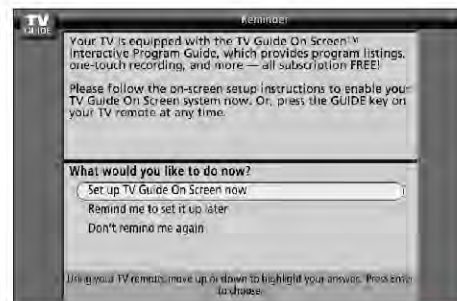
2 Reminder Screen

The TV Guide On Screen system's Reminder Screen appears:

- After initial TV set up.
- If you power Off the TV and then power it back On.

To make a selection, use the ▲ or ▼ button to highlight an option, and press **ENTER**.

- "Set up TV Guide On Screen now", displays the Welcome Screen. Press **ENTER** button to begin Setup.
- "Remind me to set up later" returns you to watching TV.
- "Don't remind me again" returns you to watching TV and stops the reminder screen from appearing upon power On.



2

Using TV Guide

1 Screen 1: Country

- This screen asks you the location of your TV.
- Use the ▲ or ▼ button to highlight a country.
- Press **ENTER** button to display Screen 2.

2 Screen 2: Enter ZIP or Postal Code

Option 1

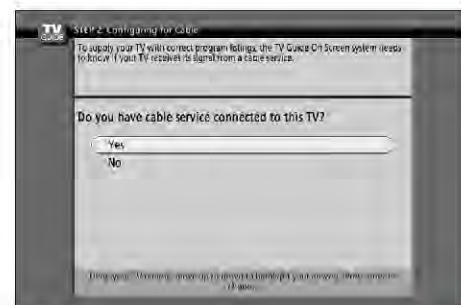
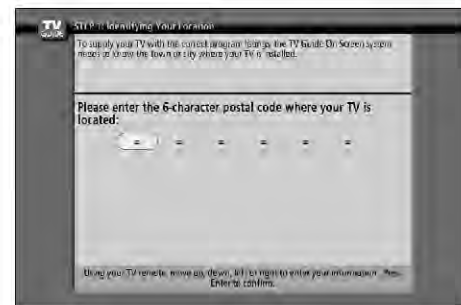
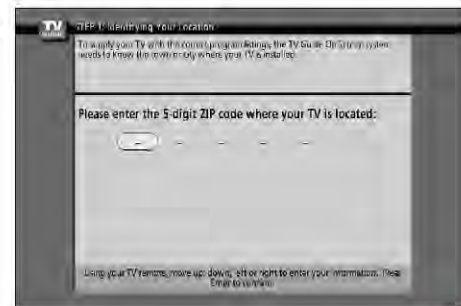
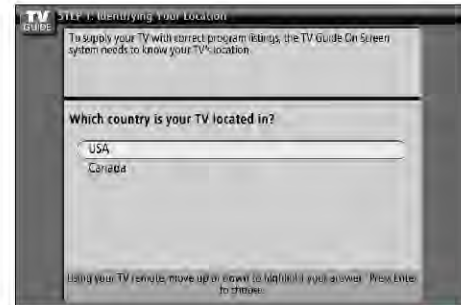
- If you selected USA in Screen 1, you see the ZIP Code screen.
- You input numbers by either pressing the number keys on the remote or using the ▲ or ▼ button to display a number, and then the ◀ or ▶ button to move to another field.
- Press **ENTER** button to display Screen 3.

Option 2

- If you selected Canada in Screen 1, you can see the Postal Code screen.
- You input characters by using the ▲ or ▼ button, and then the ◀ or ▶ button to move to another field.
- Press **ENTER** button to display Screen 3.

3 Screen 3: Do you have Cable Service connected?

- If you select Yes, you see Screen 4.
- If you select No, you see Screen 4.



TV GUIDE ON SCREEN™ SYSTEM

4 Screen 4: Do you have an antenna connected?

- If you select Yes, you see Screen 5.
- If you select No, you see Screen 5.

NOTE

- ▶ If you selected No in Screen 3 then you must select Yes in this screen to receive a channel lineup and listings.

5 Screen 5: Are your basic settings correct?

- If you select Yes, you see Screen 6.
- If you select No, you see Screen 1.

6 Screen 6: Congratulations

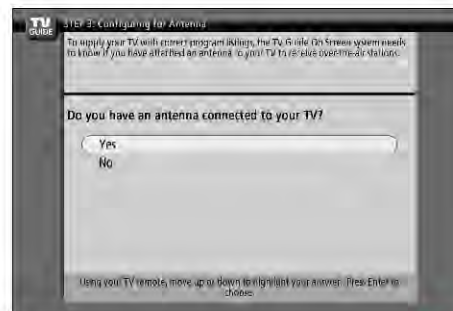
- Press **ENTER** button to display Screen 7.

7 Screen 7: Helpful Information

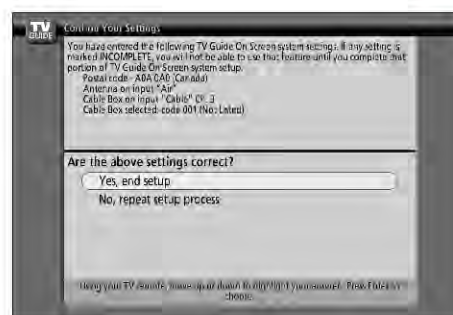
- This screen tells you valuable information on using your Guide.
- Press **ENTER** button to watch TV.

NOTE

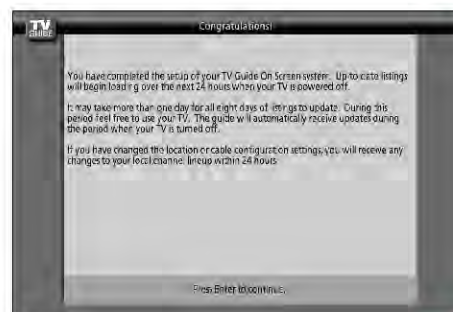
- ▶ The TV Guide On Screen system receives program listings data through your cable or over-the-air video signal. In order to receive regular program listings, please remember to do the following:
 1. Turn OFF your TV when it is not in use. (Do not unplug the power cord.)
 2. If you have more than one Cable system in your area, you may be prompted to select which Cable system's program data to download. If so prompted, please follow the on-screen instructions.
- ▶ Program listings are updated several times a day. It may take up to 24 hours to begin to receive any TV program listings. It may take up to one week to receive all eight days of TV program listings.



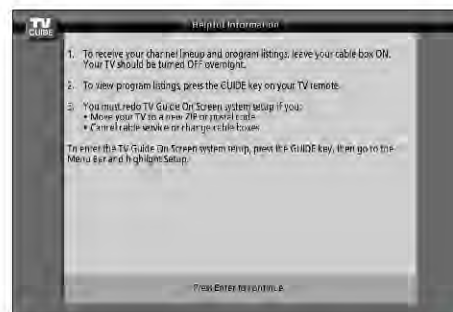
4



5



6



7

FUNCTIONS OF TV GUIDE ON SCREEN™

Overview

Your new TV contains the TV Guide On Screen Interactive Program Guide. The TV Guide On Screen system has features that help you get the most out of your viewing experience.

TV Guide On Screen Overview

The TV Guide On Screen system has the following features:

- Eight days of show listings (today plus seven days).
- Icons that indicate show rating, stereo, HDTV, new episode, etc.
- Intuitive up/down/left/right navigation using your remote control.
- Set shows to Record.
- Schedule show Reminders.
- Search shows by category (e.g., Movies, Sports, Children, etc.).
- Search for shows based on keywords or alphabetically by title.
- Direct tuning to a channel.
- Streamlined System Setup and default setting options.
- Channel lineup customization.
- Help screens while in the TV Guide On Screen system.

TV GUIDE ON SCREEN™ SYSTEM

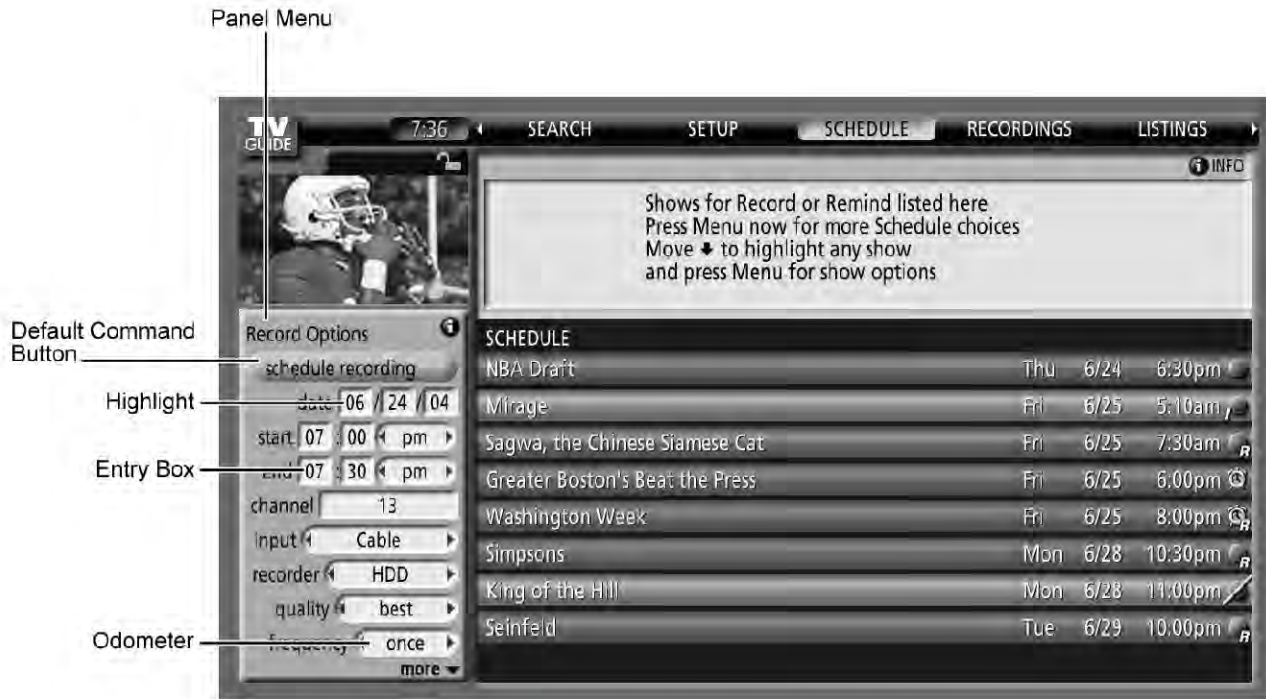
Screen Components

The screens displayed in the TV Guide On Screen system share many of the same components, as shown in the following figure:



- 1 Video Window - Displays TV video while The TV Guide On Screen system is displayed.
- 2 Service Bar - Provides access to the 5 main Guide Services.
- 3 Current Service Label - Indented to indicate current Service displayed.
- 4 Tile - Displays show title.
- 5 Highlight - Indicates an active tile.
- 6 INFO Box - Provides information for a highlighted item.
- 7 INFO Button - Indicates you can cycle through the various Info Box sizes.
- 8 Channel Logo - Identifies network.
- 9 Record/Remind Icons - Indicates a show is set to Record or set as a Reminder.
- 10 Panel Ad - Location where show- or product-specific information appears (and also where Panel Menu appears).

Panel Menu



- A Panel Menu appears when the **MENU** button is pressed on a highlighted tile and additional options are available. It also appears when you press **ENTER** button on a show starting in the future.
- When a Panel Menu appears, the highlighted tile changes color to indicate the Panel Menu relates to this tile.
- The Panel Menu displays below the Video Window.
- Help is available for a displayed Panel Menu by pressing the **INFO** button.
- The **▲** or **▼** button move between the options within the Panel Menu.
- The left and right arrows move to adjacent options unless the highlight is on an odometer, where these arrows change the odometer choice.
- Pressing **ENTER** button from an odometer or number entry box moves the highlight to the default command button of that Panel Menu, for example, Schedule Recording.
- Pressing **ENTER** button from a highlighted command button executes the action and closes the Panel Menu (e.g., Schedule Recording, Cancel).
- Select Cancel to cancel any changes and press **ENTER** button to close the menu.
- Pressing Menu is a shortcut to Cancel. Press **MENU** button to cancel any changes and close the menu.
- If a Panel Menu contains more menu options than can be displayed on a single screen, the more **▼** text appears at the bottom of the menu. Simply scroll down to access additional options.

TV GUIDE ON SCREEN™ SYSTEM

Main Services

Listings

Access Listings by pressing the **TV GUIDE** button on your remote or on the front panel of your TV.

Listings is always the first Service displayed in the Guide.

With Listings highlighted, press the **INFO** button to display a Help screen. Press the **INFO** button again to close the screen.

1 Use the **▲▼◀▶** button to move the highlight within Listings to:

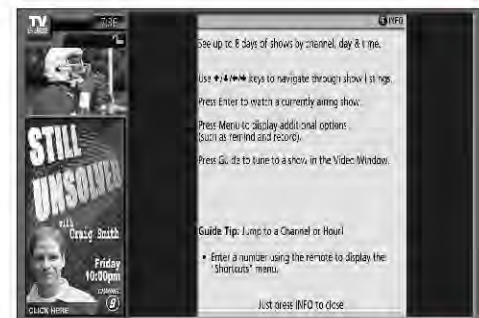
- View 8 days of show listings
- Read show descriptions
- Tune directly to a show currently airing
- Set a show to Remind
- Set a show to Record
- Lock and Unlock the Video Window
- Access Panel and Channel Ads

NOTE

- ▶ There may be times when the TV Guide On Screen system could display partial or no program listings. The reasons for this include:
 - Program schedule information was not provided to TV Guide On Screen.
 - The transmission of the program listings was interrupted.
 - The phrase "No Listings" will be replaced with program information during the next transmission, which should occur within the next 24 hours.
 - Please remember to turn off your TV when not in use in order to receive program listings.



1



1



1

Search

Search lets you find shows alphabetically, by category (Movies, Sports, Children, Educational, News, Variety, Series, HDTV) or by Keyword.

With Search highlighted, press the **INFO** button to display a Help screen. Press the **INFO** button again to close the screen.

Category Search Example: Movies

- 1 From Search, use the ▼ button to highlight Movies.

