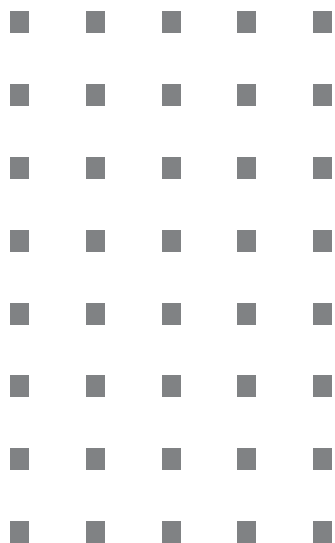


# LCD Display & TV

## Operating Instructions



# LCD TV

## **A Wide Array of Screen Settings**

You can choose different screen settings depending on the type of program you are watching or the surrounding conditions (the lighting or the outside weather conditions). You can switch among the Sport, Movie, Music and Normal options , or you can configure the screen settings yourself.

## **A Wide Array of Sound Settings**

You can choose an optimal sound setting for the type of program you are watching. You can switch among the Music, Movie, News and Normal options , or you can configure the settings yourself.

## **Favorite Channel Memory**

You can store your favorite channels in the order of preference for easy channel selection.

## **Captions**

When you watch a captioned program, you can turn the caption option on to see English text on the screen. This feature also works with video CDs or videotapes with captions.



**WARNING  
AVERTISSEMENT**



RISQUE DE CHOC ÉLECTRIQUE-NE PAS OUVRIR.

## **WARNING HIGH-VOLTAGE**

TO PREVENT FIRE OR SHOCK HAZARD DO NOT REMOVE COVER.  
NO USER SERVICEABLE PARTS INSIDE.

REFER ALL SERVICE QUERIES TO QUALIFIED PERSONNEL.

DO NOT EXPOSE THIS RECEIVER TO RAIN OR MOISTURE.

REMOVE MAINS PLUG FROM WALL SOCKET WHEN NOT IN USE.

CARE SHOULD BE TAKEN WHEN REMOVING BACK CABINET FOR SERVICING,  
SUB CHASSIS MAY BE DAMAGED IF ALLOWED TO BECOME UNSUPPORTED.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



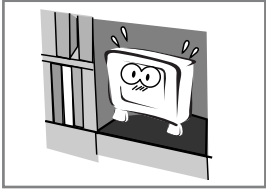
This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING** - To reduce the risk of fire or shock hazard, do not expose the TV to rain or moisture.

## **NOTICE**

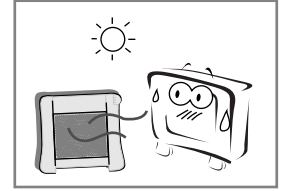
- If the same pattern is continuously displayed on the Monitor / TV for a long period of time, it can be the situation when the image "Sticks" to screen.
- This apparatus shall not be exposed to dripping or splashing and no object filled with liquids, such as vases, shall be placed on the apparatus.

# Important Safety Instructions



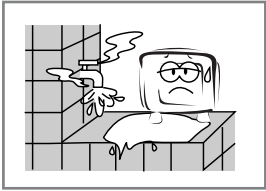
The unit should not be placed in a built-in installation such as a book-case, limited space rack unless proper ventilation is provided.

- This may cause fire by overheating or damage the unit by falling.



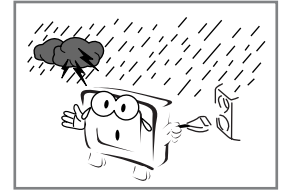
Do not use the unit in direct sunlight and keep it away from heaters, stoves, and other sources of heat.

- This may cause a fire.

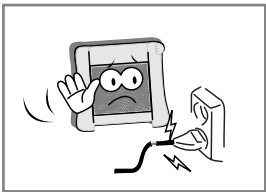


Do not use the unit near water, oil or inflammables.

- This may cause a fire.

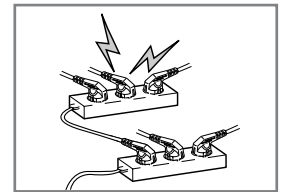


During storm conditions (especially when there is lightning) unplug your TV set from the main electrical outlet and antenna.



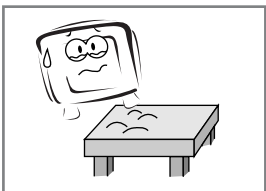
Do not use a damaged plug and do not let the power cord touch a heat source.

- This may cause an electric shock or fire.



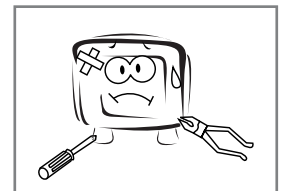
Do not connect too many extension cords or plugs to an outlet.

- This may cause a fire.



Place the unit on a flat and stable surface.

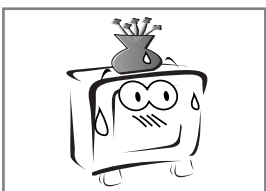
- The unit can cause injury or damage the unit by falling.



Do not attempt to service the unit.

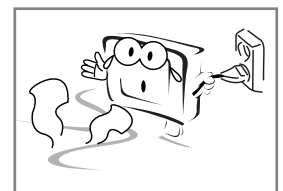
Contact an authorized dealer or repair service.

- Servicing the unit yourself may cause an electric shock or fire.



Do not place any things(vase, stc) on the top of the unit.

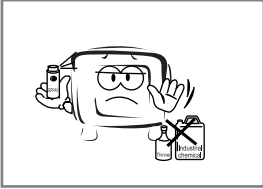
- This may cause the damage of the unit by falling.



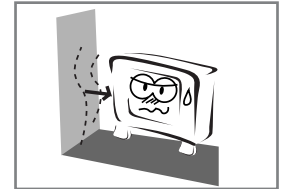
If there are any unusual sounds or smells coming from the unit, unplug it immediately and contact an authorized dealer or repair service.

- This may be caused by an electric shock or fire.

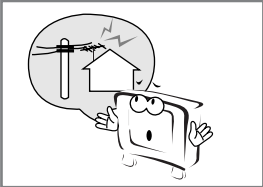
# Important Safety Instructions



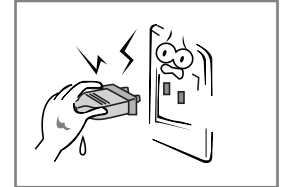
Do not use or store inflammable substances near the unit  
- This may cause an explosion or fire.



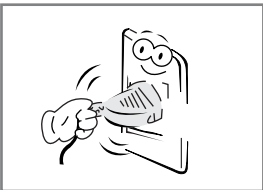
Place the unit away from the wall for well ventilation.  
- This may cause a fire.



Place the antenna away from the electric wire, not to touch even though it falls down by wind.  
- This may cause an electric shock.



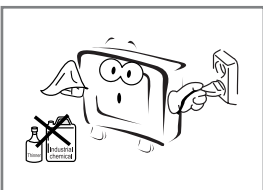
Do not touch the plug with wet hands.  
- This may cause an electric shock.



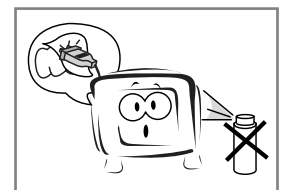
Be sure to plug in tightly and hold the plug, not the cord when disconnecting the plug from the wall outlet.  
- This may cause a fire.



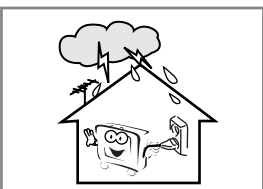
If an outside antenna is connected to the unit, do not let the rain water get into the unit by bending or antenna wire sealing  
- This may cause an electric shock or fire.



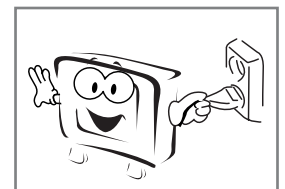
Unplug the unit from the wall outlet before cleaning. Use a smooth cloth. Do not use industrial chemicals.  
- This may cause an electric shock or fire.



If the connector between the plug and the pin is dusty or dirty, clean it. Do not spray detergent directly on the unit.  
- This may cause an electric shock or fire.



Do not touch the antenna wire and disconnect the plug from the electrical outlet during storms or lightening.  
- This may cause an electric shock or fire.



Disconnect the plug from the outlet if it is not used for a long period of time.  
- This may cause an electric shock or fire.

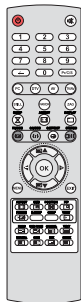
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## Unpacking your TV

Please make sure the following items are included with your TV set.  
If any items are missing, contact your dealer.

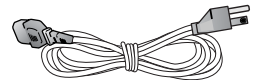
### Accessories



Remote Control & Batteries (AAA x 2)



Operating Instructions



Power Cord

# Viewing the Control Panels

## Front View



## Bottom Side



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

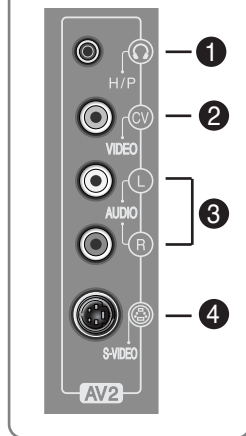
### Power Indicator Status

Indicator	Status
Red	Stand-by
Green	Power on

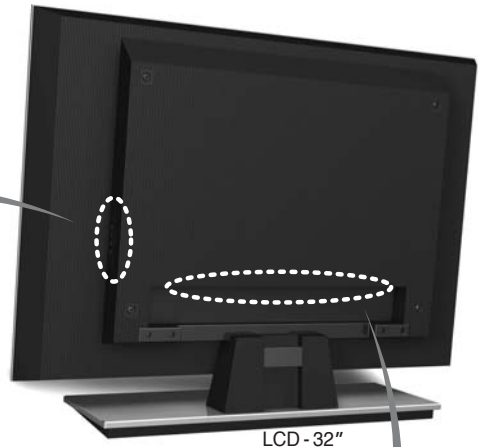
# Viewing the Control Panels

## Rear View

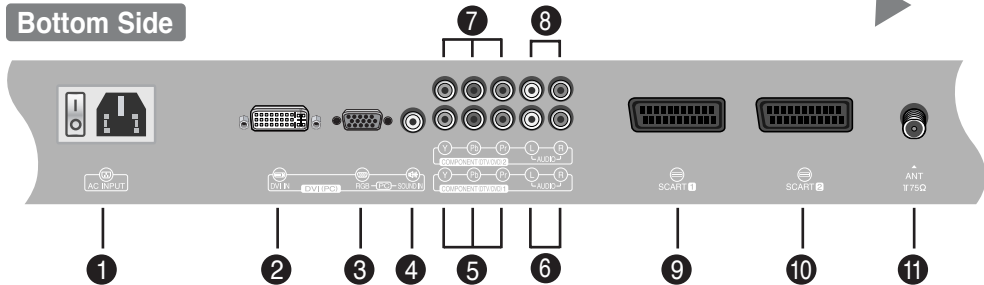
### Right Side



- 1 Headphone Jack
- 2 AV2 VIDEO Input
- 3 AV2 AUDIO Input
- 4 AV2 S-VIDEO Input



### Bottom Side



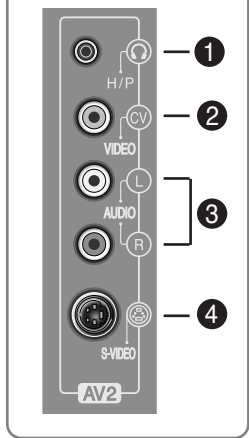
- 1 Power Inlet with Switch
- 2 DVI Input (PC)
- 3 RGB Video Input (PC)
- 4 PC Audio Input
- 5 COMPONENT1 Video Input (DTV/DVD)
- 6 COMPONENT1 Audio Input (DTV/DVD)
- 7 COMPONENT2 Video Input (DTV/DVD)
- 8 COMPONENT2 Audio Input (DTV/DVD)
- 9 EURO-SCART1 Jack
- 10 EURO-SCART2 Jack
- 11 Antenna Input Jack



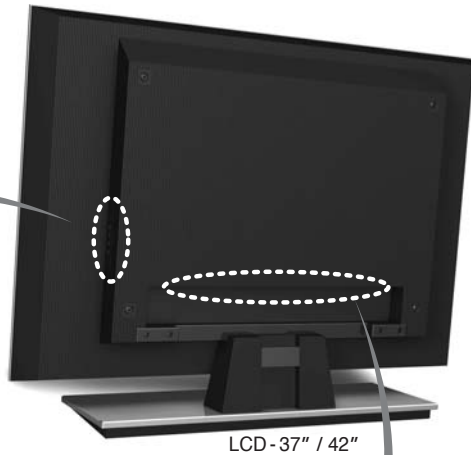
# Viewing the Control Panels

## Rear View

### Right Side

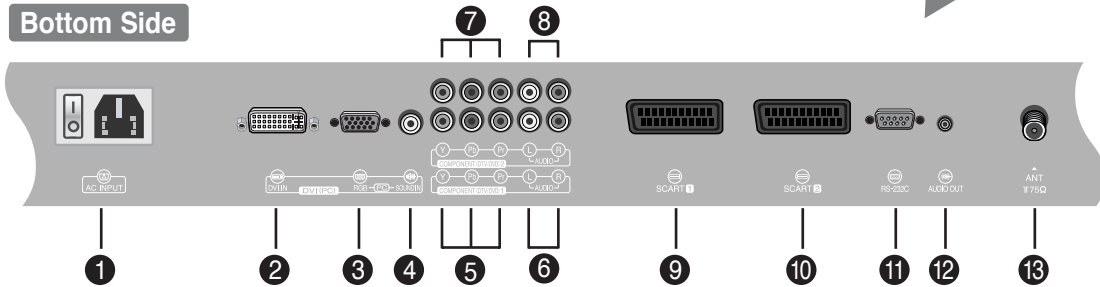


- 1 Headphone Jack
- 2 AV2 VIDEO Input
- 3 AV2 AUDIO Input
- 4 AV2 S-VIDEO Input



LCD-37" / 42"

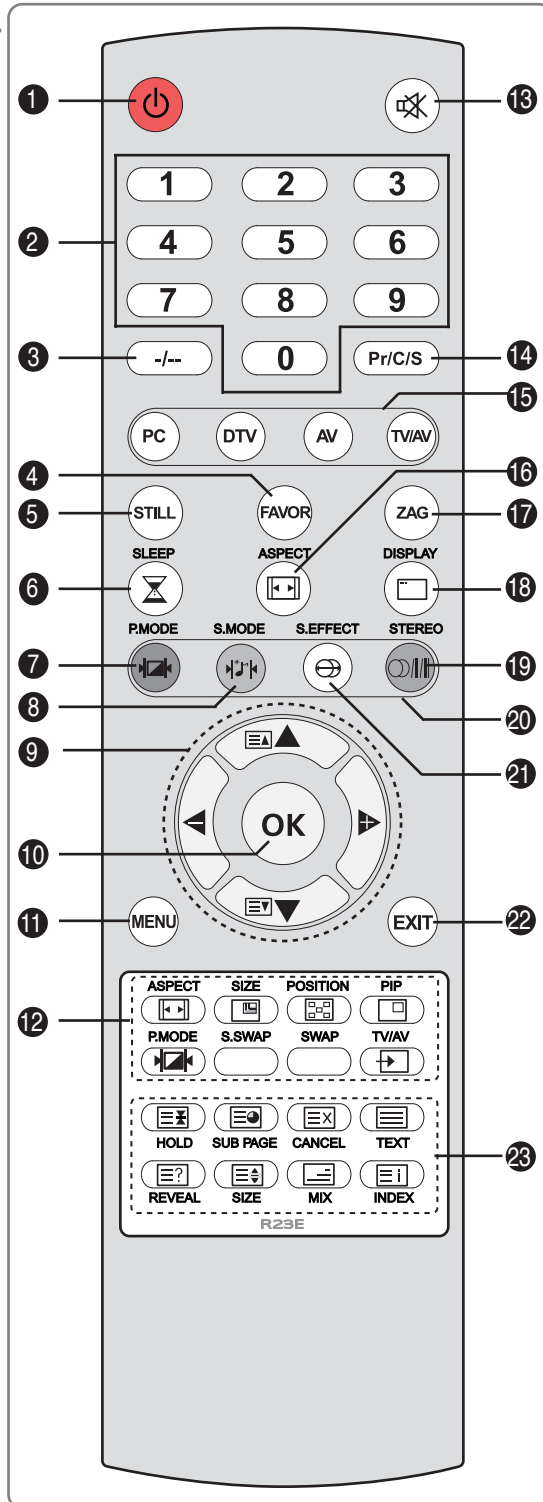
## Bottom Side



- 1 Power Inlet with Switch
- 2 DVI Input (PC)
- 3 RGB Video Input (PC)
- 4 PC Audio Input
- 5 COMPONENT1 Video Input (DTV/DVD)
- 6 COMPONENT1 Audio Input (DTV/DVD)
- 7 COMPONENT2 Video Input (DTV/DVD)
- 8 COMPONENT2 Audio Input (DTV/DVD)
- 9 EURO-SCART1 Jack
- 10 EURO-SCART2 Jack
- 11 RS-232C (For Service)
- 12 AUDIO-OUT (Optical Audio Output)
- 13 Antenna Input Jack

# Remote Control

- 1 Power On/Off Button
- 2 Numeric Buttons
- 3 One/Two-Digit Channel Selection
- 4 Favorite Channel Selection (See page 28)
- 5 Picture Still (See page 31)
- 6 Sleep Timer (See page 25)
- 7 Picture Mode Selection (P.MODE) (See page 18)
- 8 Sound Mode Selection (S.MODE) (See page 19)
- 9 Control the Cursor in the OSD Menu ▲ (▲) and ▼ (▼) (Channel Up / Down) (Teletext Page Up / Down, Page 33) ◀ and ▶ (Volume Up / Down)
- 10 MENU Confirmation
- 11 Display OSD Menu
- 12 PIP Functions: (See page 29 ~ 30)
  - PIP On/Off (PIP)
  - Position Selection (POSITION)
  - Size Selection (SIZE)
  - Picture Mode Selection (P.MODE)
  - Swapping main and sub picture (SWAP)
  - Selecting the Input Source (TV/AV)
  - PIP Picture Size Selection (ASPECT)
  - Swapping main and sub Sound (S.SWAP)



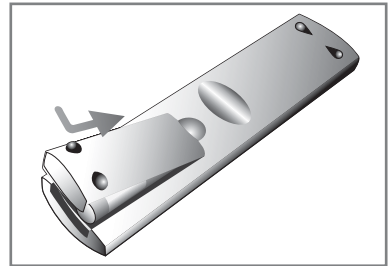
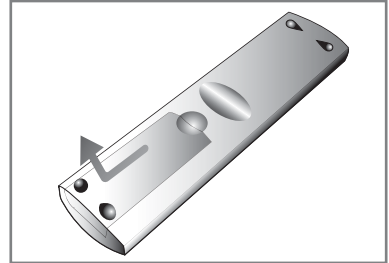
- 13 Temporary Sound Mute
- 14 TV Input Source Selection (See page 17)
- 15 External Source Input Selection (See page 15)
- 16 Picture Size Selection (See page 31)
- 17 Previous Channel
- 18 TV Information Display (See page 25)
- 19 Sound Selection : Mono/Stereo Dual Select (STEREO) (See page 20)
- 20 Fastext Functions : (See page 32)
- 21 Sound Effect Selection (S.EFFECT) (See page 20)
- 22 -Exit from the OSD  
-Display the current time when the OSD is off (See page 22)
- 23 Teletext Functions : (See page 32 ~ 33)
  - Teletext On/Off (TEXT)
  - Cancel (CANCEL)
  - Sub Page On (SUB PAGE)
  - Page Hold (HOLD)
  - Index (INDEX)
  - Mix (MIX)
  - Size (SIZE)
  - Reveal (REVEAL)

- - Makes sure there are no objects between the remote control and its sensor.
- Don't place the remote control near a heater or in damp place.
- A strong blow to the remote control may cause it not to operate.

## Inserting Batteries in the Remote Control

You must insert or replace the batteries in the remote control when you purchase the TV or when you find that the remote control is no longer operating correctly.

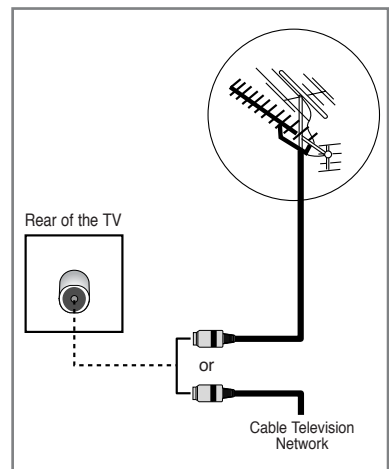
- 1 Insert two AAA-size batteries (supplied) by matching the + and - on the batteries to the diagram inside the battery compartment.
  - Handle the remote control with care; avoid dropping it, getting it wet, placing it in direct sunlight, near a heater, or where the humidity is high.
  - Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.



## Connecting an Antenna or Cable

To view television channels correctly, a signal must be received by the set from one of the following sources: an outdoor antenna, a cable television system or a satellite dish.

- 1 Connect the antenna or input cable to the 75  $\Omega$  coaxial input on the rear of the TV.
- 2 If you are using an indoor antenna, you may need to turn it when tuning your television until you receive a clear picture.

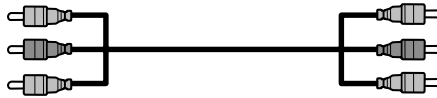


## Connecting to the RCA or S-Video Input ( Side AV2 )

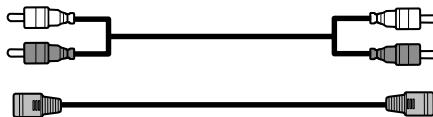
Right Side of the TV



(A) For RCA Input



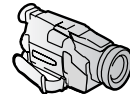
(B) For S-Video Input



VCR



Camcorder



Video game device



### (A) For RCA Input

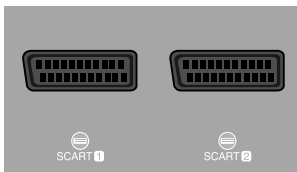
1. Connect the RCA cable to the input jacks (video+ audio L/R of side AV2) on the TV and output jacks on the external equipment such as a VCR, camcorder and some video game devices.

### (B) For S-Video Input

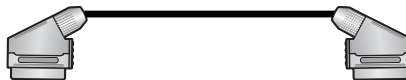
1. Connect the S-Video/RCA (audio L/R of side AV2) cable to the input jacks on the TV and output jacks on the external equipment such as a VCR, camcorder and some video game devices.
2. If the external equipment has mono audio output, connect it only to left jack of the Audio Input/Output.

## Connecting to the SCART Input

Rear of the TV



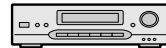
(A) SCART to SCART connector



(B) SCART to RCA connectors  
(Video + Audio L/R)



DVD/DTV STB



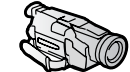
VCR



Satellite Receiver



Camcorder

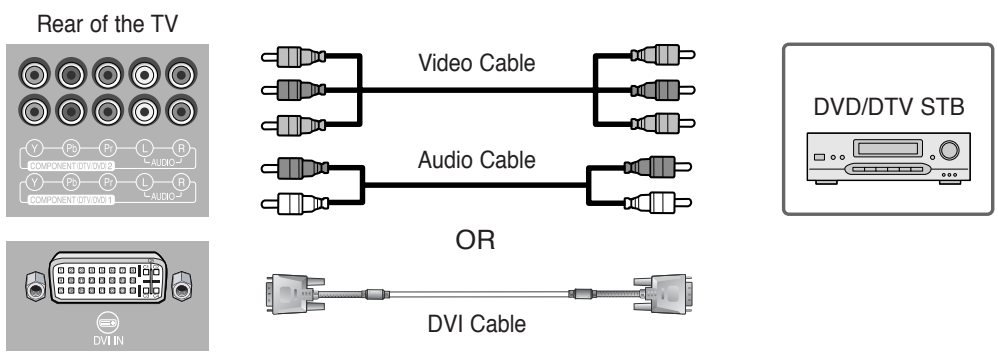


Video game device



- The SCART1 or SCART2 connector is used for external equipment with RGB output, such as a VCR, satellite receiver, camcorder, or video game devices.
  - SCART1 : Full SCART (CVBS & RGB input/output)
  - SCART2 : Half SCART (CVBS only input/output)
- You can select and set one between the two types of cables (A, B) appropriate for the output jack of external device.

# Connecting to a DVD or DTV Set-Top Box INPUT (RCA or DVI)



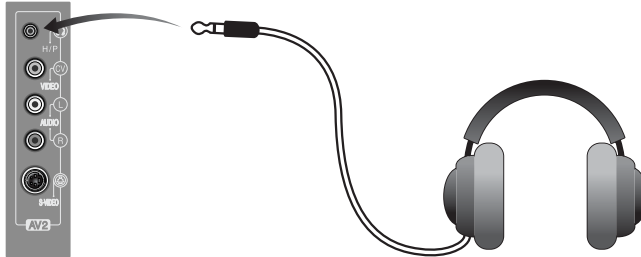
1. Connect the video cables to the Y, Pb, Pr input jacks (COMPONENT1 or 2) on the TV and the Y, Pb, Pr output jacks on the DVD or DTV Set-Top Box.
  2. Connect the audio cables to the Audio L/R input jacks (COMPONENT1 or 2) on the TV and the Audio output jacks on the DVD or DTV Set-Top Box.
- 
1. Connect the DVI cables to the DVI input jacks (DVI) on the TV and the DVI output jacks on the DVD or PC.
  2. Connect the audio cables to the Audio L/R input jacks on the TV and the Audio output jacks on the DVD or PC.

## Supported Signal for Component Ports

	480i / 60Hz	480p / 60Hz	576i / 50Hz	576p / 50Hz	720p / 50Hz	720p / 60Hz	1080i / 60Hz
COMPONENT 1	O	O	O	O	O	O	O
COMPONENT 2	O	O	O	O	O	O	O

## Connecting the Headphones

Right Side of the TV



*You can connect a set of headphones to your TV if you wish to watch a program without disturbing the other people. (See page 20)*

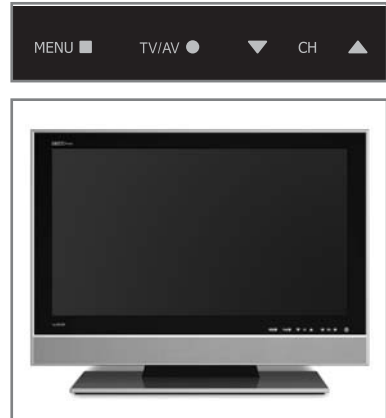
1. Plug a set of headphones into the 3.5mm mini-jack socket on the right side of your TV. You can be heard the sound through the headphones.

Note : • If you use headphones for long period of time at a high volume, you may damage your hearing.

- Headphones are not included.

## Connecting the Power Cord and Switching the TV On / Off

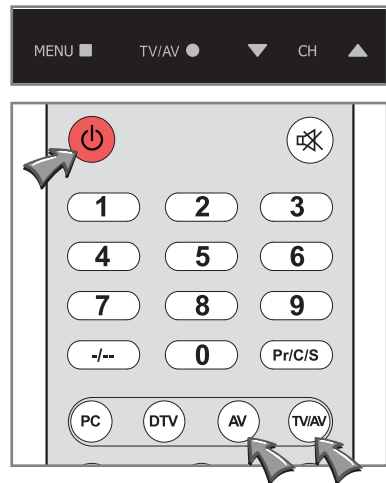
- 1 Connect the power cord for your TV to the power inlet on the back of your TV.
- 2 Plug the power cord for the TV into a nearby outlet, and turn on the power switch on the back of your TV.
- 3 Press the **POWER**, **CH** button on the front panel of your set or press the **POWER** (🔌), **CHANNEL** (▲▼) button on the remote control.  
After the green LED lamp switch on and your TV will be turned on.
- 4 To switch your TV off, press the **POWER** (🔌) button again.



## Selecting a Picture from External Sources

After your various systems (audio and video) have finished, you can view any of the sources by selecting the appropriate external input.

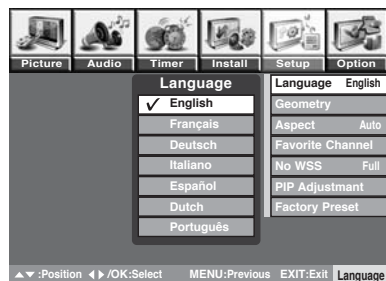
- 1 Make sure all the necessary connections have been made.
- 2 Press the **POWER** (🔌) button to switch the TV on.
- 3 Select the favorite source by pressing the **TV/AV** (TV/AV) button one or more times.
  - The Input Source (TV/AV) is displayed in following order :  
**TV → SCART1 → SCART2 → AV2 VIDEO → AV2 S-VIDEO → COMPONENT1 → COMPONENT2 → RGB → DVI**
  - The Video (AV) is displayed in the following order :  
**SCART1 → SCART2 → AV2 VIDEO → AV2 S-VIDEO**



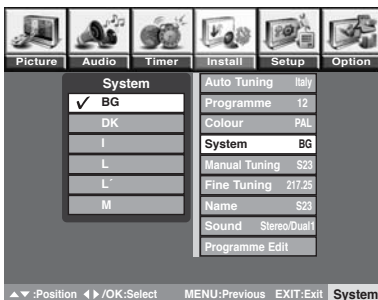
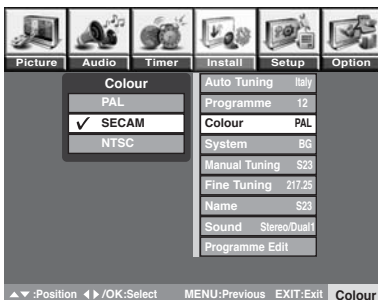
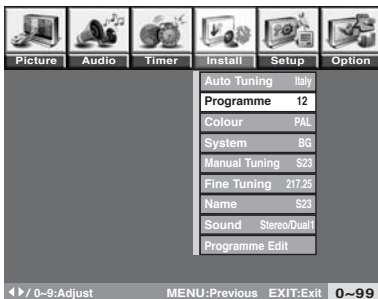
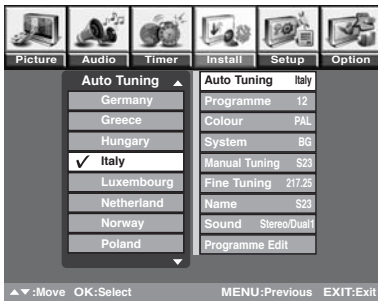
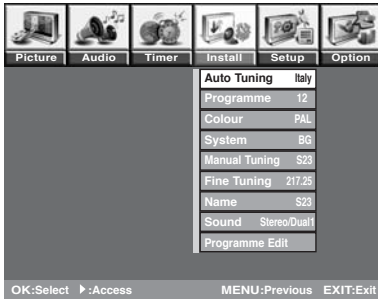
## Selecting your Language

When you start using your TV for the first time, you must select the language in which to display all on-screen menus.

- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Setup** Group.
- 3 Press the (▲▼) button to select the **Language** and then press the **OK** button.
- 4 Select the appropriate language by pressing the (▲▼) button and then press the **OK** button.
  - You can select **English, Français, Deutsch, Italiano, Español, Dutch, Português.**
- 5 Press the **MENU** button to return to the previous menu.



# Storing Channels in Memory



- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select **Install** group and press the **OK** button.
- 3 Press the (▲▼) button to select **Auto Tuning**, and press the (◀▶) button to select the **country**. Then press the **OK** button for about 3 seconds.

You can select the countries in following order.

**Austria → Belgium → Croatia → Czech → Denmark → Finland → France → Germany → Greece → Hungary → Italy → Luxembourg → Netherland → Norway → Poland → Portugal → Spain → Sweden → Switzerland → Australia → United Kingdom**

- You can stop the Auto tuning by pressing the **MENU** button during auto tuning. When you stop it, menus on the screen will be sorted and changed to the **Programme Edit** screen automatically.

- When the Auto tuning is finished, menus on the screen will be changed to the **Programme Edit** screen automatically.

- 4 Press the (▲▼) button to select **Programme** and press the (◀▶) button. The channels will be stored one by one.
- 5 Press the (▲▼) button to select **Colour** and press the **OK** button.

- Pre-set colour will be displayed.
- Press the (▲▼) button to change the colour system. You can select the Colour System in the following order. **PAL → SECAM → NTSC**

- 6 Press the (▲▼) button to select **System** and press the **OK** button.

- Pre-set sound system will be displayed.
- Press the (▲▼) button to change the sound system if there is no sound. You can select the sound system in the following order. **BG → DK → I → L → L' → M**

- ☛ Use the Auto tuning during a broadcast after connecting the antenna.



# Storing Channels in Memory

**7** Press the (▲▼) button to select **Manual Tuning** and press the **OK** button.

Press the (PR/C/S) button to select **C** (broadcast channels) or **S** (cable channels) and press the channel number with the **number** (0~9) buttons.

- Press the (◀▶) button to increase or decrease the channel by one.
- The MANUAL Search function will operate in the button direction you pressed when you press the (◀▶) button for more than 2 seconds.

**8** If you have picture noise on step 6, Press the (▲▼) button to select **Fine Tuning** and press the (◀▶) button to adjust the frequency manually.

**9** Setting the program name and modification.  
Press the (▲▼) button to select **Name** and then press the (◀▶) button. On the right side you can then input a program name using up to 5 characters. (A~Z, a~z, 0~9, space, !, x, +, -, /)  
Press the (▶) button after you input the program name to store it.

**10** Press the (▲▼) button to select **Sound** and press the **OK** button.

- Pre-set sound mode will be displayed.
- Press the (▲▼) button to change the sound mode. You can select the sound mode in the following order.  
**Stereo / Dual 1 → Mono / Dual 1 → Stereo / Dual 2 → Mono / Dual 1/2**

• You can get the same result by pressing the (STEREO) button on the remote control. (See page 20)

**11** Press the (◀▶) button to select **Programme Edit** and press the **OK** button. The sub-menu of the **Program Table** function appears.

- Follow the description for the function you want to use, press the a button to complete the settings.

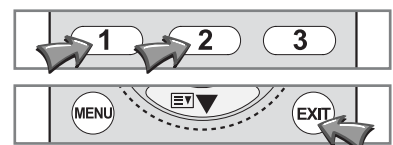
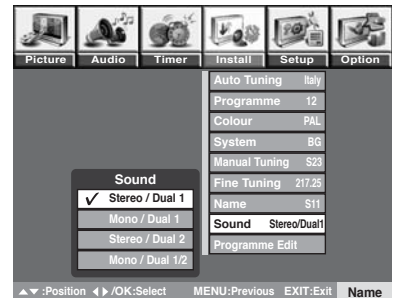
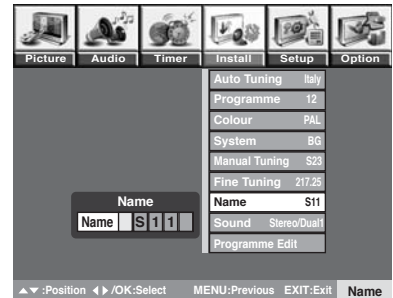
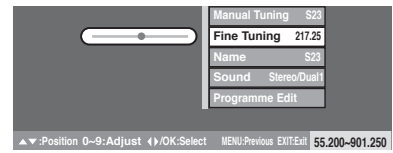
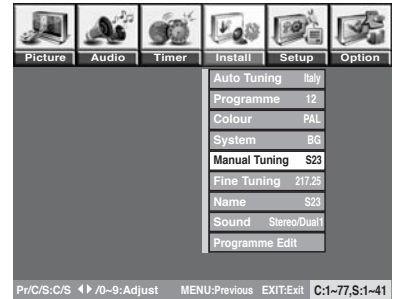
■ Here are the details about these functions:

**Delete** (1) : This function deletes a TV channel you do not want to list.

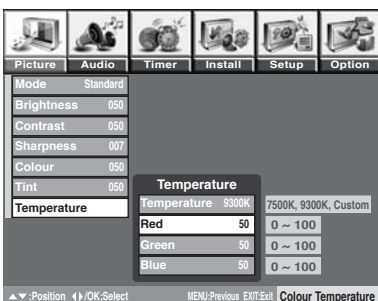
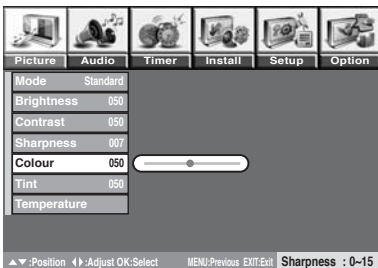
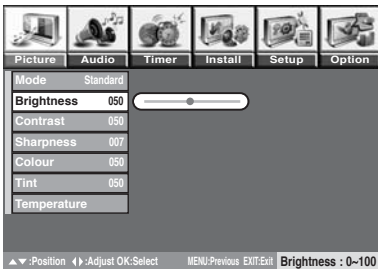
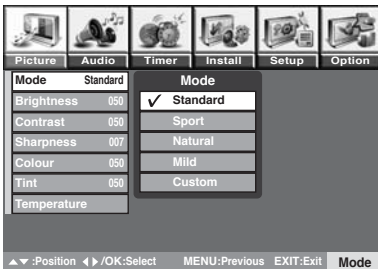
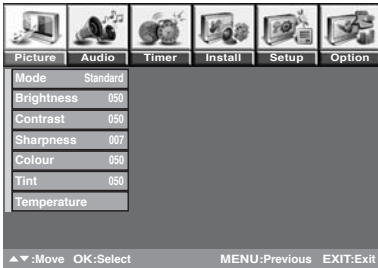
**Change** (2) : This function changes the program number (PR) of a TV channel.

**Exit** (EXIT) : Menu to Exit.

- Press the (◀▶) or (▲▼) button to select program number and press the **OK** button.



# Customizing the Picture



1 Press the **MENU** button.

2 Press the (◀▶) button to select the **Picture** group and press the **OK** button.

- Pre-set mode will be displayed.
- The picture **Mode** will change whenever you press the (▲▼) button.

**Standard** : Select when it is bright around the TV.

**Sport** : Select when you want to get a clearer picture or watch sports.

**Natural** : Select when viewing movies or live music.

**Mild** : Select when it is dark around the TV or at night.

**Custom** : Select if you want to adjust the settings manually.

Otherwise, if you are viewing contents of the PIP function, whenever you press the (P.MODE) button, the picture mode will change as above.

☛ You can get the same result by pressing the (P.MODE) button on the remote control.

3 Press the (▲▼) button to move to the menu that you wish to adjust by the (◀▶) button.

**Brightness** : Adjusts the brightness of the whole screen.

**Contrast** : Adjusts the clarity of the whole screen.

**Sharpness** : Corrects the contours of the image.

**Color** : Adjusts the color saturation of the image.

**Tint** : Adjusts the colors of the image.

4 Press the (▲▼) button to select **Temperature**.

- If you select the temperature mode, you will change to 3 kind of mode.

- If you adjust the color (**Red**, **Green**, **Blue**) you will change to custom color mode.

# Customizing the Audio

- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Audio** group and press the **OK** button.
- 3 Press the (▲▼) button to select **Balance** and press the **OK** button.  
Adjust the sound balance with (◀) or (▶) button you wished.
- 4 Press the (▲▼) button to select **Volume** and press the **OK** button.  
Adjust the sound volume with (◀) or (▶) button you wished.
- 5 Press the (▲▼) button to select **Equalizer** and press the **OK** button.

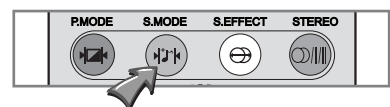
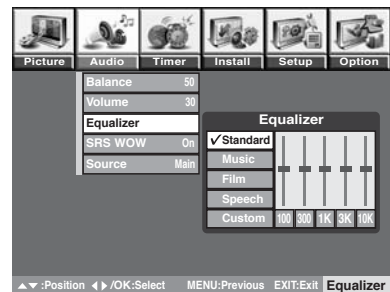
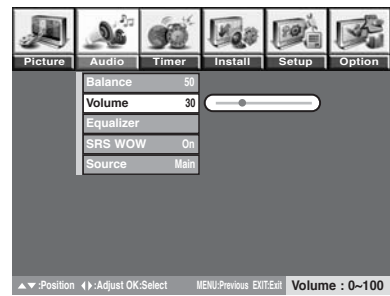
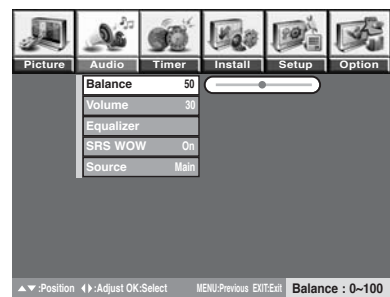
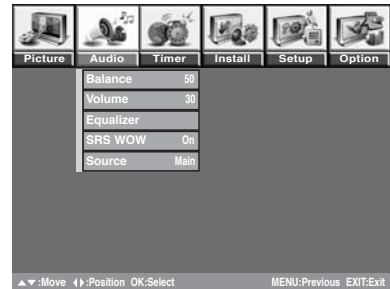
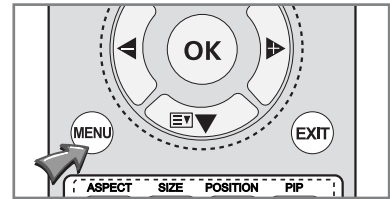
- 6 Press the (▲▼) button to select the audio mode according to the type of image being watched.  
Audio mode will be changed in the following order.  
**Standard → Music → Film → Speech → Custom**

- Standard** : This is good for any picture.
- Music** : Select when you listen to music videos or concerts.
- Film** : Select when you watch movies.
- Speech** : Select when you listen to speeches or news.
- Custom** : Select when you want to adjust the setting manually.

- ☛ You can get the same result by pressing the (S.MODE) button on the remote control.
- ☛ This feature is operated when the "SRS WOW" is set to "Off" Mode.

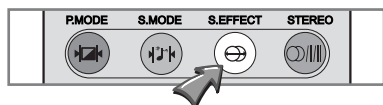
- 7 Press the (▲▼) button to select **Custom** and press the (◀▶) button to select the frequency that you want to adjust.  
The frequency range will be selected as following order.  
**100 → 300 → 1K → 3K → 10K**
- 8 Press the (◀▶) button and the (▲▼) button to adjust.

- ☛ If you adjust the frequency (100Hz, 300Hz, 1KHz, 3KHz, 10KHz) in Standard, Music, Film or Speech mode, the mode will be changed to Custom mode.



## Selecting WOW Surround

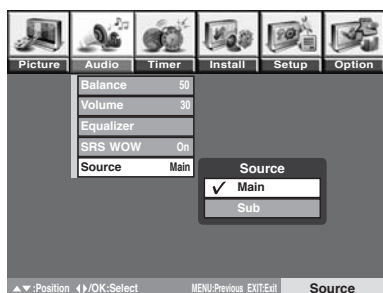
Select the Wow Surround feature to amplify the mid-to low-range sound or create surround effect.



- 1 Press the (▲▼) button to select **SRS WOW** and press the **OK** button.
  - The options available in the **SRS WOW** menu are displayed.
- 2 Press the (▲▼) button to **On** or **Off**.
- 3 Press the **OK** button.
  - ☛ You can get the same result by pressing the (S.EFFECT) button on the remote control.

**SRS WOW** is a trademark of SRS Labs, Inc.  
WOW technology is incorporated under license from SRS labs, Inc.

## Selecting the Speaker Sound Source



- 1 Press the (▲▼) button to select the **Source** and press the **OK** button.
- 2 Press the (▲▼) button to select the sound source of the speaker.
  - Main → Sub**
  - ☛ - You will have sound only through the headphones, not the speakers, if you connect headphones.  
You can adjust the headphones' volume by pressing the (◀▶) button.
  - You can listen to the main picture's sound when the PIP is off even if you select PIP mode sound.
  - ☛ When you would like to have sound through the headphones, if you connect a set of headphones to your TV, the volume level will be decreased automatically without concerning the previous volume setting.

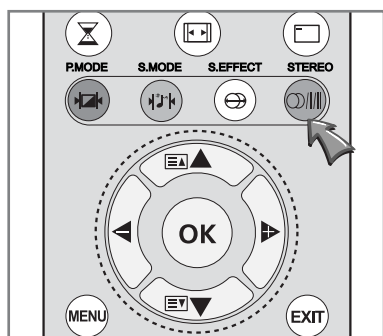
## Listening to Stereo Sound / Dual Sound

### Listening to Stereo Sound

- 1 Press the (STEREO) button on the remote control to select **Mono** or **Stereo**.
  - Mono or Stereo be will selected in turn whenever you press the button.
  - ☛ Select Mono sound when you have difficulty with stereo sound.

### Listening to the Dual Sound

- 1 Press the (STEREO) button on the remote control to select Dual sound.
  - Dual 1: Your national language or Dual 2: Foreign language will be selected by turn whenever you press the button.



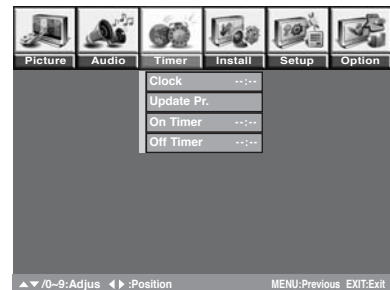
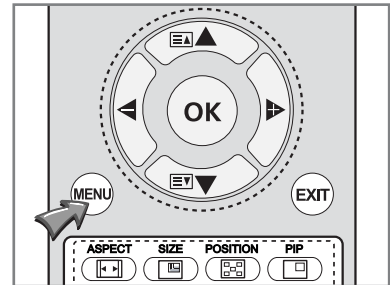
# Setting the Date & Time

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Clock** and press the (◀▶) or **OK** button.
- 3 Press the (◀▶) button to move between Date → Month → Year.
- 4 Press the (▲▼) or number (0~9) buttons to adjust the Date and repeat the above steps 3-4 to adjust the Month and Year in the same way.
  - You can erase and reset the Date by pressing the **OK** button.
- 5 Press the (▲▼) button to select **Clock** and press the **OK** or (◀▶) button to move to time adjust.
- 6 Press the (▲▼) or number (0~9) buttons to adjust the Hourx and Minute.
  - Adjust the Hour using the 24-hour system :  
Example : 6 P.M. Press 1 and 8
  - You can erase and reset the and hour and minute by pressing the **OK** button.

## Update Programme

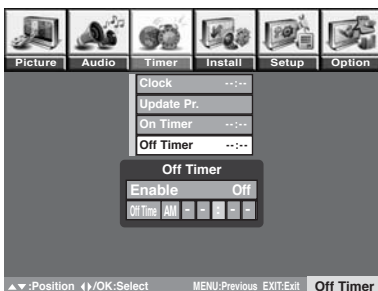
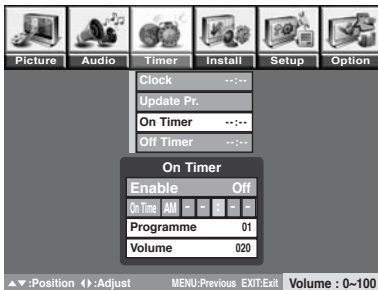
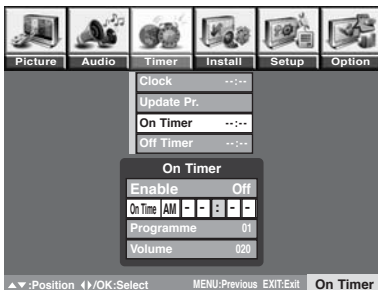
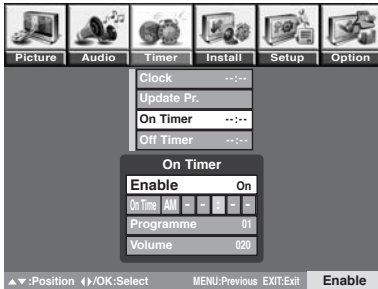
- Set the Pr. number if you want to update the time and date with the information carried by the broadcast signal.
- If you clear the Pr. number, the auto update function does not work.

- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **Update Pr.** and press the (◀▶) button to move to the program number at the right side.
- 3 Press the (▲▼) button to select the program number or input the program number by pressing the number button directly.
- 4 Press the (◀▶) button to select Program number or press the program number button directly.
  - You can erase and reset the program number by pressing the **OK** button.
  - If you select Pr00, it applies to all programs.



## Setting the Preset Time ( On / Off )

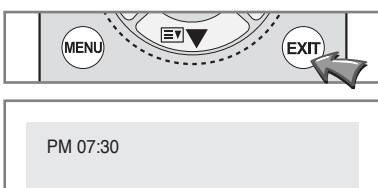
This function is available after you set the clock first.



- 1 Press the **MENU** button.
- 2 Press the (▲▼) button to select **On Timer** then press the **OK** button.
- 3 Press the (▲▼) button to select **Enable** and press the (◀▶) or **OK** button.  
Press the (◀▶) button to select ON or OFF.
- 4 Press the (▲▼) button to set **On Timer**.  
Press the (◀▶) button to move to the Hour or Minute.  
Press the (▲▼) or Number (0~9) button to adjust the Hour or Minute and then press the (◀▶) button.
  - You can erase and reset the Hour and Minute by pressing the **OK** button.
- 5 Press the (▲▼) button to move to **Programme** and press the (◀▶) button.  
Press the (▲▼) or Number (0~9) button to select the channel.
  - You can erase and reset the channel by pressing the **OK** button.
- 6 Press the (▲▼) button to select **Volume** and press the (◀▶) button to adjust the volume.
- 7 Press the (▲▼) button to select **Off Timer** then press the **OK** button.
- 8 Press the (▲▼) button to select **Enable** and press the (◀▶) or **OK** button.  
Press the (◀▶) button to select ON or OFF.
- 9 Press the (▲▼) button to set **Off Timer**.  
Press the (◀▶) button to move to the Hour or Minute.  
Press the (▲▼) or Number (0~9) button to adjust the Hour or Minute and then press the (◀▶) button.
  - You can erase and reset the Hour and Minute by pressing the **OK** button.

## Displaying the Current Time

This function is available after you set the clock first.



- 1 Press the (EXIT) button on the remote control to display the current time.



# Setting Restrictions On Button Input

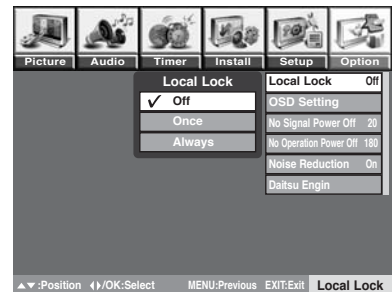
- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Option** group and press the **OK** button.
- 3 Press the (▲▼) button to select **Local Lock** and press the **OK** button.
- 4 Press the (▲▼) button to select **Off**, **Once** or **Always** and press the **OK** button.

**Off** : With the lock function off, you can control the TV with both the remote control and the buttons on the TV.

**Once** : The lock function will turn off automatically after you turn the TV on/off once with the remote control.

**Always**: With the lock function always on, you can control the TV only with the remote control, not with the buttons on the TV.

☛ This function prevents children from controlling the TV when parents are not home. It is available after setting this function with the remote control.

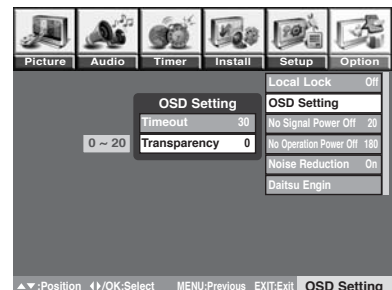
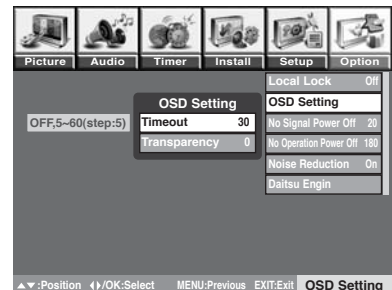


# Setting the OSD Display Time

- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Option** group and press the **OK** button.
- 3 Press the (▲▼) button to select **OSD Setting** and press the **OK** button.
- 4 Press the (◀▶) button to adjust the display time.
  - Whenever you press this button, you can adjust it in 5 second increments from 0 to 60 seconds.
- 5 If you finish setting the time, press the **MENU** button.

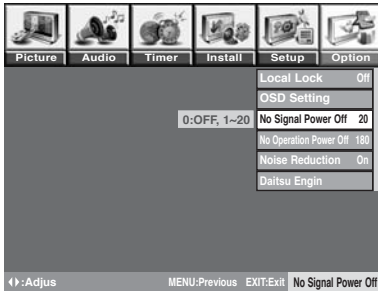
☛ If you do not press the MENU button after adjusting the OSD timeout, the menu screen will disappear automatically after the set time.

☛ If you set 0, menu screen will not disappear automatically.



## No Signal Auto Power Off

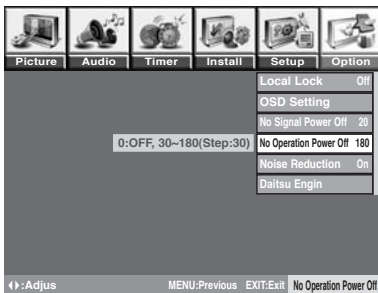
Automatically turns the power off if there is no broadcast signal or button pressed for some time.



- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Option** group and press the **OK** button.
- 3 Press the (▲▼) button to select **No Signal Power Off**.
- 4 Press the (◀▶) buttons to adjust the auto power off time.
  - You can adjust it in 1-minute increments from 0 to 20 minutes. ( 0 → 1 → 2 → ... → 18 → 19 → 20 )
  - If you set the time to 0, the TV will not use the auto power off function.

## No Key Operation Auto Power Off

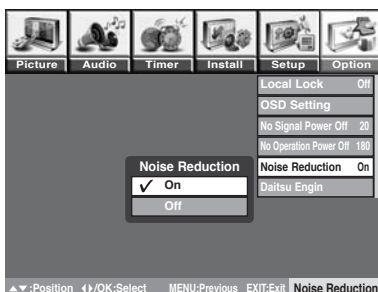
Automatically turns the power off if there is no button pressed for a period of time after **AUTO Wake-Up** turns the power on.



- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Option** group and press the **OK** button.
- 3 Press the (▲▼) button to select **No Operation Power Off**.
- 4 Press the (◀▶) buttons to adjust the auto power off time.
  - You can adjust it in 30-minute increments from 0 to 180 minutes. ( 0 → 30 → 60 → 90 → 120 → 150 → 180 )
  - If you set the time to 0, the TV will not use the auto power off function.

## Reducing Picture Noise

Use this function when you have a bad image with the picture noise.

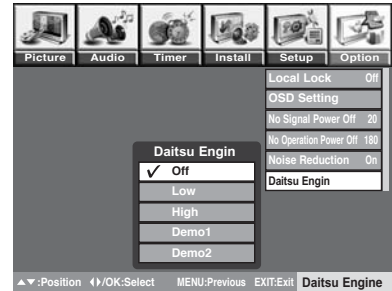


- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Option** group and press the **OK** button.
- 3 Press the (▲▼) button to select **Noise Reduction**. Press the **OK** button.
- 4 Press the (▲▼) button to select **On** or **Off**.
  - Whenever you press the (▲▼) button, the selection will switch between **On** and **Off**.



# Daitsu Engine

- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Option** group and press the **OK** button.
- 3 Press the (▲▼) button to select **Daitsu Engine** and press the **OK** button.
- 4 Press the (▲▼) button to select Off, Low, High mode and demo1, demo2 mode Press the **OK** button.

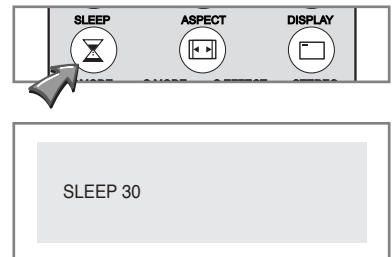


## Setting the Sleep Timer

*This function is available only with the remote control.*

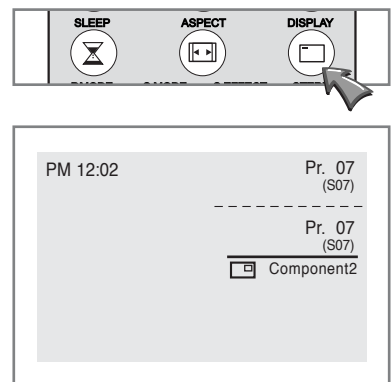
- 1 Press the (⌚) button.
  - Whenever you press this button the sleep timer will select times in the following order.

**SLEEP Off → SLEEP 5 → SLEEP 10 → SLEEP 20 → SLEEP 30 → SLEEP 60 → SLEEP 90 → SLEEP 120 → SLEEP 150 → SLEEP 180**



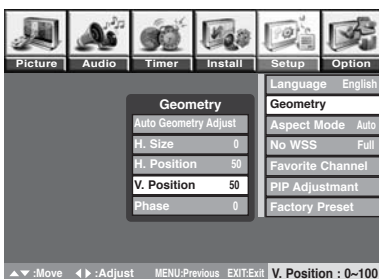
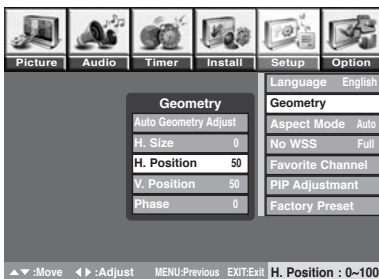
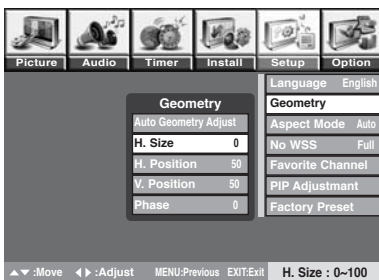
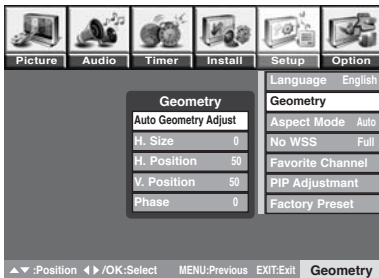
## Displaying the TV Information

- 1 Press the (Ⓜ) button on the remote control to display the current channel, time, DVI Input. If you press this (Ⓜ) button again, the information disappear.
  - Pr. 07** : Current Channel.
  - CATV** : Current TV Channel System.
  - Ⓜ : PIP Setting (Available only when the PIP is on).
  - PM 12:02** : Current Time (When the time is not set, --:-- is displayed).



# Adjusting the Screen Geometry

This function does not work in DVI-Digital mode.



## Auto Geometry Adjust

- 1 Press the **MENU** button.
- 2 Press the (**◀▶**) button to select the **Setup** group and press the **OK** button.
- 3 Press the (**▲▼**) button to select the **Geometry** group and press the **OK** button.
- 4 Press the (**▲▼**) button to select **Auto Geometry Adjust** and press the **OK** button.  
After then the screen will be automatical position and size setup.

## Adjusting the horizontal Size

- 1 Press the (**▲▼**) button to select **H.Size**.
- 2 Press the (**◀▶**) button to adjust the horizontal Size.



## Adjusting the horizontal position

- 1 Press the (**▲▼**) button to select **H.Position**.
- 2 Move the PC screen to the right or left by pressing the (**◀▶**) button.



## Adjusting the vertical position

- 1 Press the (**▲▼**) button to select **V.Position**.
- 2 Move the PC screen up or down by pressing the (**◀▶**) button

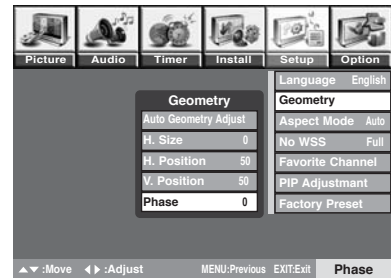


# Adjusting the Screen Geometry

This function does not work in DVI-Digital mode.

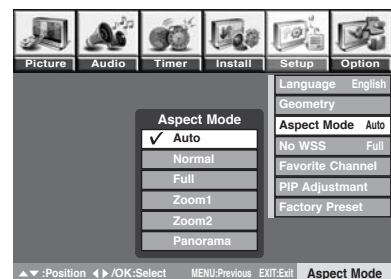
## Adjusting the Phase

- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Setup** group and press the **OK** button.
- 3 Press the (▲▼) button to select the **Geometry** group and press the **OK** button.
- 4 Press the (▲▼) button to select **Phase**.  
Adjust the phase value with (◀) or (▶) button you wished.



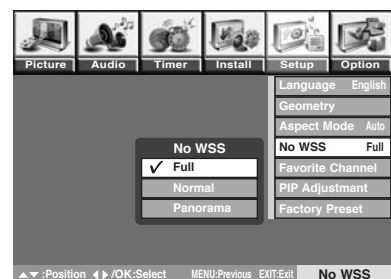
## Setup your Screen Aspect

- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Setup** group and press the **OK** button.
- 3 Press the (▲▼) button to select **Aspect Mode** and Press the **OK** button.
- 4 Press the (▲▼) button to move the position and Press the **OK** button.
  - You can select up to 6 screen aspect mode.
  - ☛ You can get the same result by pressing the (ASPECT) button on the remote control. (See page 31)



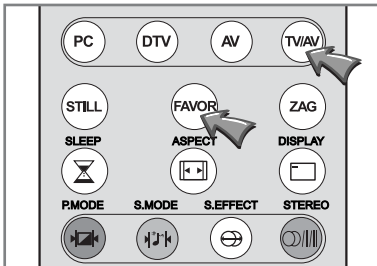
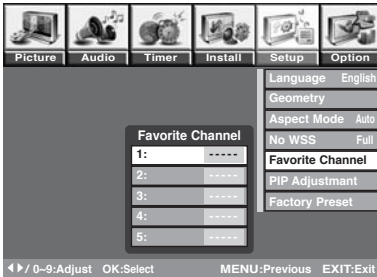
## How to Watching No WSS Function

- 1 Press the **MENU** button.
- 2 Press the (◀▶) button to select the **Setup** group and press the **OK** button.
- 3 Press the (▲▼) button to select **No WSS** Press the **OK** button.
- 4 Press the (▲▼) button to move the position and press the **OK** button.
  - You can select up to 3 screen function.



## Watching your Favorite Channels

Chose when deleting the favourite channels registered in the buttons 1 to 5.



1 Press the **MENU** button.

2 Press the (◀▶) button to select the **Setup** group and press the **OK** button.

3 Press the (▲▼) button to select **Favourite Channel** Press the **OK** button.

4 Press the (▲▼) button to move the position and press the (◀▶) button to select Channel No.

- You can select up to 5 Channel No. also, you can direct input program No. by press numeric button (0~9).
- You can delete the selection by pressing the **OK** button and pressing the Number or (TV/AV) buttons to select the channel.
- The selection will switch whenever you press the **Favourite** (FAVOR) button on the remote control.
- You can register your favourite TV channels (PR 1 - PR 99) in the number buttons 1 to 5. After registering, the channel can be called by pressing the **Favourite** (FAVOR) button and a number button 1 to 5.

## Factory Preset



1 Press the **MENU** button.


2 Press the (◀▶) button to select the **Setup** group and press the **OK** button.

3 Press the (▲▼) button to select **Factory Preset** Press the **OK** button.

- The Audio and the Video setting will be reset to the factory default settings.

# Display the Picture in Picture ( PIP )

- This function is available only with the remote control.
- You can watch another device's image in the PIP while watching the TV, PC or in VIDEO the main image.

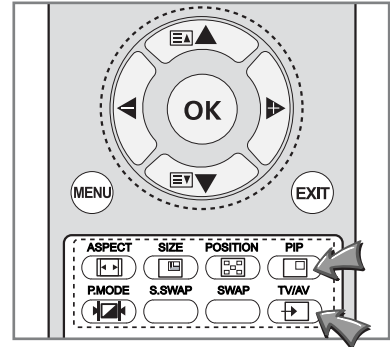
- Press the **PIP** (  ) button.  
There are 2 modes of window : **PIP**, **POP**  
Whenever you press this button, PIP window mode will be changed.  
The PIP window is changed in the following order :  
**PIP** → **POP** → **Off**






< PIP >






< POP >

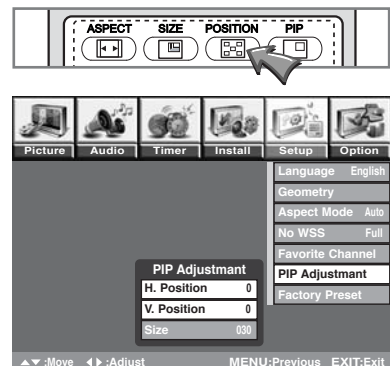
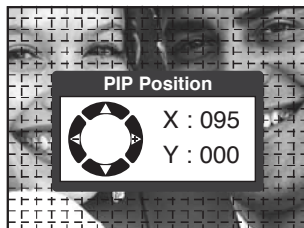
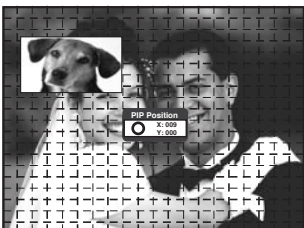


- Press the **TV/AV** (  ) button to select the external signal source for the PIP.
  - The external signal source will display whenever you press the (  ) button.  
(TV → SCART1 → SCART2 → AV2 VIDEO → AV2 S-VIDEO → COMPONENT1 → COMPONENT2 → RGB)
  - ☛ You can change the main picture channel by pressing the (  ) button.

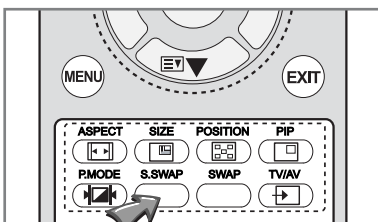
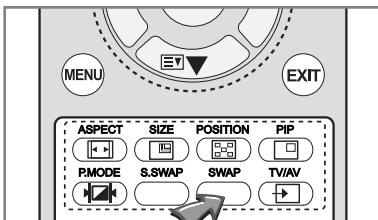
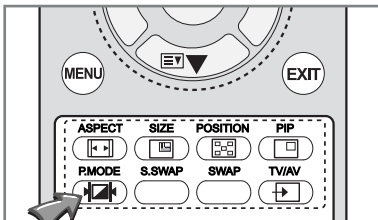
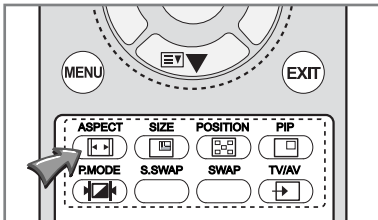
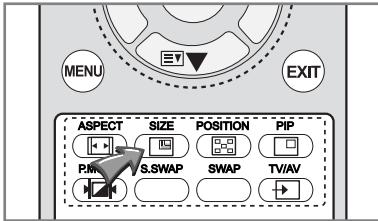
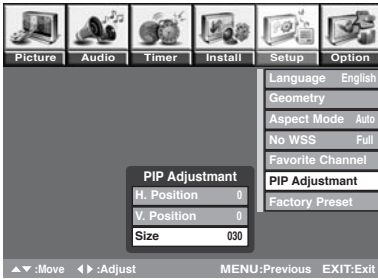
PIP		Main	PIP	TV	SCART1/2	AV 2	COMPONENT 1	COMPONENT 2	PC	DVI
									ANALOG	DIGITAL
	TV			X	O	O	O	O	O	O
	SCART 1/2			O	X	O	O	O	O	O
	AV 2			O	O	X	O	O	O	O
	COMPONENT 1			O	O	O	X	X	X	O
	COMPONENT 2			O	O	O	X	X	X	O
PC	ANALOG			O	O	O	X	X	X	X
DVI	DIGITAL			O	O	O	O	O	X	X

## Changing the PIP Position






- Press the **POSITION** (  ) button on the remote control.
  - The PIP position will change free positions whenever you press (  ) or (  ) button.

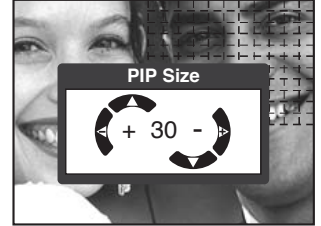


# Display the Picture in Picture ( PIP )




## Changing the PIP Size


- 1 Press the () button on the remote control.
  - The PIP will change free different size whenever you press () () or () () button.




## Selecting the image size In the PIP

- 1 Press the () button on the remote control.
  - When you are viewing the Sub-picture :  
The sub picture size will be changed in the following order whenever you press this button.  
4 : 3 ↔ 16 : 9

## Changing the PIP Mode


- 1 Press the () button on the remote control.
  - The PIP mode will change whenever you press this button.  
Standard → Sport → Natural → Mild → Custom

## Swapping the Main & Sub-Picture

- 1 Press the () button on the remote control.
  - The Main image and PIP image will switch with each other whenever you press this button.




## Swapping the Main & Sub-Sound

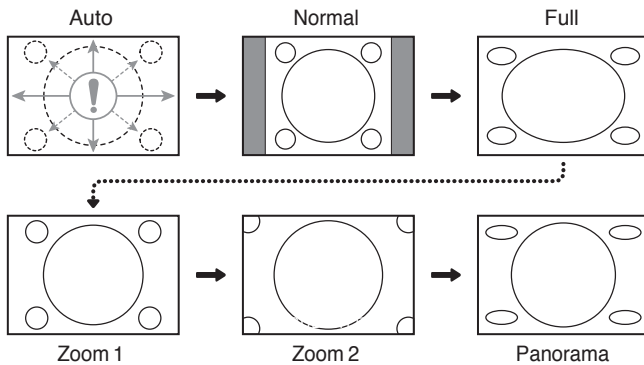
- 1 Press the () button on the remote control.
  - The Main sound and PIP sound will switch with each other Whenever you press this button.

# Changing the Picture Size

- You can change the screen size according to the picture aspect ratio. Choose the optimum one from the following ASPECT modes.
- The Auto aspect mode is fixed at Full when you are using the TV as a PC screen.

- 1 Press the  button on the remote control.
  - When you are viewing the Main image:  
The image will change as shown below whenever you press this button.

( Auto → Normal → Full → Zoom 1 → Zoom 2 → Panorama )



**Auto** : When a WSS (Wide Screen Signalling) signal, which shows the aspect ratio of the picture, is included in the broadcast signal or the signal from an external device, the TV automatically changes the Full mode according to the WSS signal. If a WSS signal is not included, the picture is displayed according to the with the 4:3 Auto aspect function.

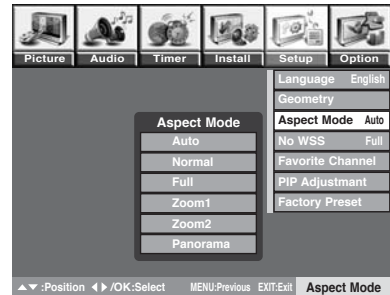
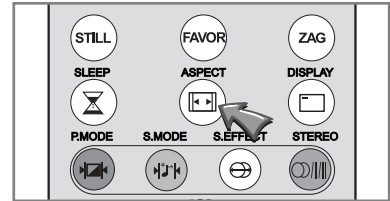
**Normal** : Use to view a normal picture (4:3 aspect ratio) as this is its original shape.

**Full** : This uniformly stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the wide TV screen. For 16:9 aspect ratio pictures that have been squeezed into a normal picture (4:3 aspect ratio), use the Full mode to restore the picture to its original shape.


**Zoom 1** : This zooms up the wide picture (16:9 aspect ratio) to the full screen.

**Zoom 2** : The screen that expands Zoom 1 screen vertically or horizontally.

**Panorama** : The screen that expands 4:3 video horizontally to fit the 16:4 mode screen and to minimize distortion, sides are expanded more than center.



# Display a Still Image

- 1 Press the **Still** () button on the remote control.
  - The picture does not move but the sound plays normally.
  - Press this button again if you want to go back to a normal picture.

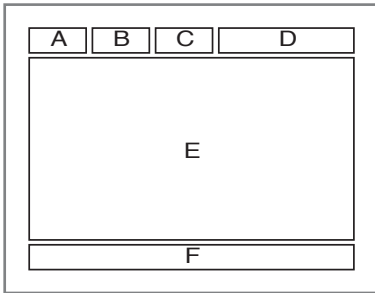




## Teletext Functions

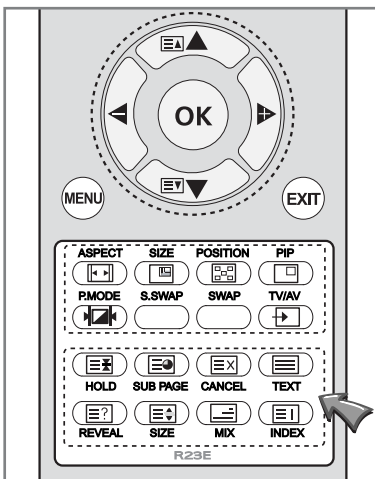
The Teletext page of most TV channels provide information such as TV programme times, News bulletins, Weather forecasts, Travel information, or Sports results.

### Functions of the teletext



Part	Display Contents
A	Selected page number.
B	Broadcast Station identity.
C	Current page number or searching status.
D	Date and time.
E	Text information.
F	FASTEXT information. Red, Green, Yellow, Cyan

## Displaying the Teletext Information









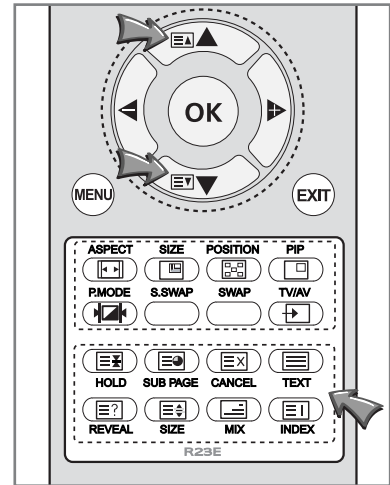
- 1 Select the channel providing the teletext service using the ( ) or ( ) button.
- 2 Press the **TEXT** ( ) button to activate the teletext mode. The contents of page 250 are displayed.
- 3 To display the index page, press the **INDEX** ( ) button.
- 4 To display the teletext page simultaneously with the actual broadcast, press the **MIX** ( ) button.
- 5 To return to normal viewing press the **CANCEL** ( ) button. “???” (specific characters) is displayed at the upper left until the new screen is selected.
- 6 To exit from the teletext mode, press the **TEXT** ( ) button again.



# Selecting a Special Teletext Functions

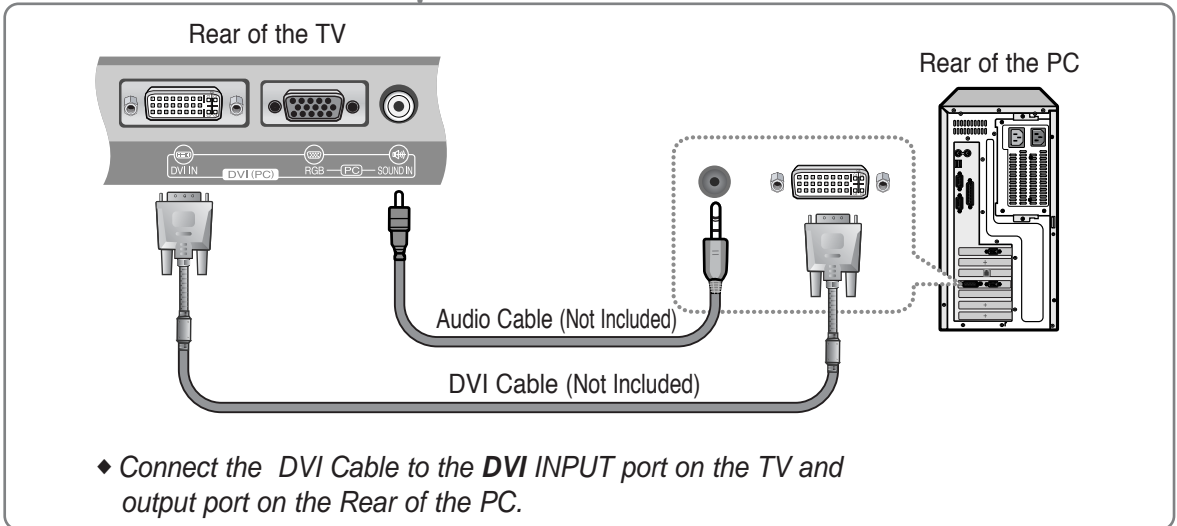
## Selecting a Special Teletext Functions

MENU	Functions
<b>REVEAL</b> 	Displays concealed text such as answer to quiz games. To return to normal viewing, press this button again.
<b>SUB-PAGE</b> 	Displays a secondary page by entering its number.
<b>PAGE UP</b> 	Displays the next page.
<b>PAGE DOWN</b> 	Displays the previous page.
<b>HOLD</b> 	When the secondary pages are displayed in sequence, press the <b>HOLD</b> button. To freeze the current display page, press the <b>HOLD</b> button again to resume.
<b>SIZE</b> 	Whenever you press this button, the letter size of the page will be changed. <b>Once</b> press : The letter of the top half page enlarge to double size. <b>Twice</b> press : The letter of the bottom half page enlarge to double size. <b>Three times</b> press : Return to the normal viewing.

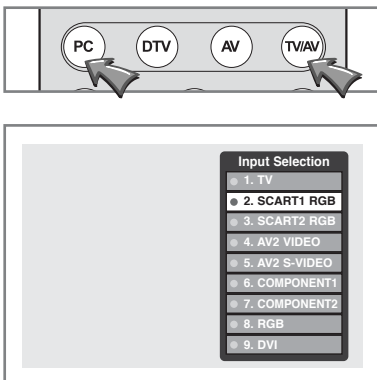
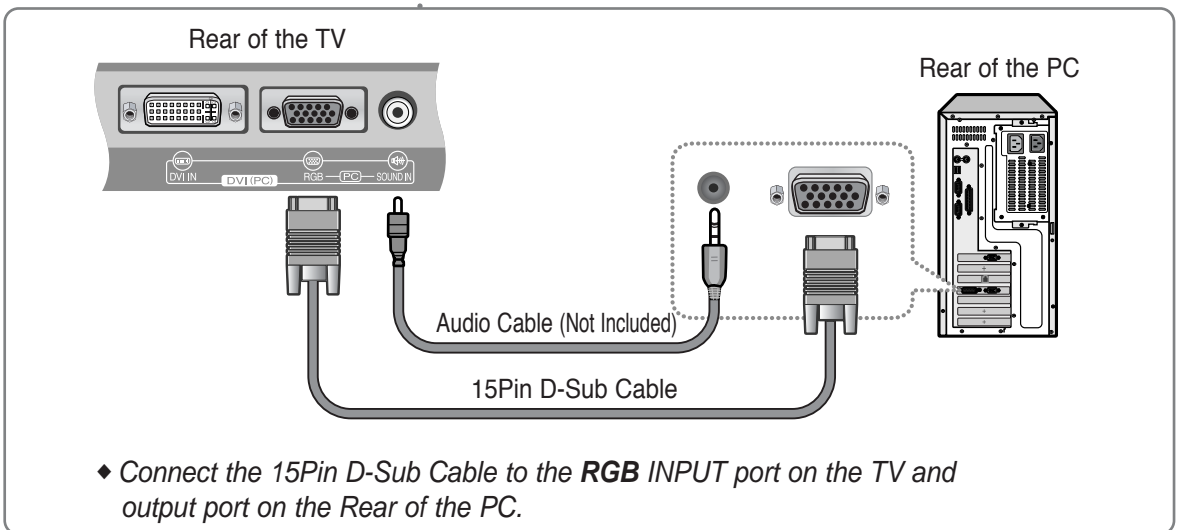


## Connecting to the PC (DVI)

### DVI INPUT



### RGB INPUT



### To use the TV as a PC Display

- 1 Turn the PC on.
- 2 Press the **PC** or ( **TV/AV** ) button on the remote control to select the PC.
- 3 Set up the PC software. (See page 35)
- 4 Adjust the screen in PC Mode. (See page 26 ~ 27)

# Setting the PC Software

- 1 First, click on **Settings** on the Windows **Start** menu and click on "**Control Panel**".
- 2 Double click on the **Display** icon.
- 3 Click on the **Settings** tab on the display dialog-box.
- 4 Adjust the resolution up to **1366 x 768** pixels.
- 5 Click the **Advanced** button and click the **Monitor** tab on the dialog-box. Set the vertical-frequency to **60Hz** and then click the **OK** button.

- ☛ - Maximum resolution depends on the Video Card.
- Maximum supported resolution is 1366 X 768 @ 75Hz , You can get the best picture at 1366 X 768@ 60Hz.
- There are 16,770,000 supported colours.



# RS-232C Configurations

	PC	TV	
RXD	2	2	RXD
TXD	3	3	TXD
GND	5	5	GND

# Serial Link Command

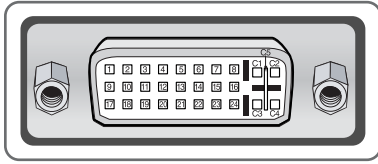
Command from host	['	COMMAND (3 byte)	ARGUMENT (4 byte)	
Ack from monitor	']	RETURN (4 byte)	/n'	
['	+	'SAB'	+ '000#'	Power on/off control 0=standby, 1=on
['	+	'S4A'	+ '000#'	Main AV Input selection 1=TV, 2=SCART1/2, 3=AV2, 4=Component1, 5=Component2, 6=DVI
['	+	'S4G'	+ '000#'	PIP AV Input selection 1=TV, 2=SCART1/2, 3=AV2, 4=Component1, 5=Component2, 6=DVI
['	+	'S4F'	+ '0303'	Select YPbPr input for Component1
			+ '0301'	Select CVBS input for Component1
			+ '0403'	Select YPbPr input for Component2
			+ '0401'	Select CVBS input for Component2
			+ '0505'	Select Digital input for DVI
			+ '0504'	Select Analog input for DVI
['	+	'S4E'	+ '000#'	Aspect ratio selection 0=Normal, 1=Panorama, 2=Zoom, 3=Full
['	+	'SCA'	+ '000#'	Caption on/off 0=off, 1=on
['	+	'SCB'	+ '####'	Set TV channel number 0012=CH12, 1012=CATV12
['	+	'+CB'		TV channel up
['	+	'-CB'		TV channel down
['	+	'S3A'	+ '0###'	Set volume to ### (=000~100)
['	+	'+3A'		Volume up
['	+	'-3A'		Volume down

# Standard Display Mode

If the signal from the system equals the standard signal mode, the screen will adjust automatically.  
If the signal from the system does not equal the standard signal, adjust the display mode as shown below referring to your video card instructions. Otherwise there will be no picture or only power may turn on.

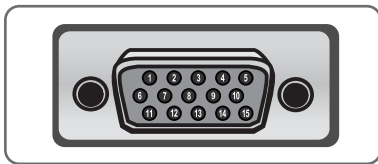
Resolution	Horizontal (KHz)	Vertical (Hz)	Clock Frequency (MHz)	Polarity (H/V)
640 x 350	31.469	70.086	25.175	+ / -
720 x 400	31.469	70.087	28.322	- / +
VGA, 640 x 480	31.469	59.940	25.175	- / -
VGA, 640 x 480	37.500	75.000	31.500	- / -
VGA, 640 x 480	37.861	72.809	31.500	- / -
SVGA, 800 x 600	37.879	60.317	40.000	+ / +
SVGA, 800 x 600	46.875	75.000	49.500	+ / +
SVGA, 800 x 600	48.077	72.188	50.000	+ / +
XGA, 1024 x 768	48.363	60.004	65.000	- / -
XGA, 1024 x 768	56.476	70.069	75.000	- / -
XGA, 1024 x 768	60.023	75.029	78.750	+ / +
WXGA, 1280 x 768	60.023	75.029	78.750	+ / +
WXGA, 1366 x 768	60.023	75.029	78.750	+ / +

# Pin Configuration



## DVI-D Connector

Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S Data2-	13	T.M.D.S Data3+
2	T.M.D.S Data2+	14	+5V Power
3	T.M.D.S Data2/4 Shield	15	Ground(for +5V)
4	T.M.D.S Data4-	16	Hot Plug Detect
5	T.M.D.S Data4+	17	T.M.D.S Data0-
6	DDC Clock	18	T.M.D.S Data0+
7	DDC Data	19	T.M.D.S Data0/5 Shield
8	No Connect	20	T.M.D.S Data5-
9	T.M.D.S Data1-	21	T.M.D.S Data5+
10	T.M.D.S Data1+	22	T.M.D.S Clock Shield
11	T.M.D.S Data1/3 Shield	23	T.M.D.S Clock+
12	T.M.D.S Data3-	24	T.M.D.S Clock-



## PC Input Connector (15Pin D-Sub)

Pin	PC IN
1	Red (R)
2	Green (G)
3	Blue (B)
4	Grounding
5	Grounding (DDC)
6	Red (R) Grounding
7	Green (G) Grounding
8	Blue (B) Grounding
9	Reserved
10	Sync Grounding
11	Grounding
12	Data (DDC)
13	Horizontal Sync
14	Vertical sync
15	Clock (DDC)

## For TV

### No picture or sound.

- Make sure the TV is plugged in.
- Make sure the power cord is connected to the consent correctly.
- Check the power failure.


### Screen is black.

- Make sure the external signal source mode is selected.
- Press the **TV/AV** button to change to TV.

### Picture is OK but there is no sound.

- Press the **Mute** button.
- Check another channel.
- Press the button to increase the volume.

### Poor sound quality.

- Make sure the channel using a stereo broadcast by pressing the Display(  ) button.
- Select Mono. The sound quality of a stereo broadcast may be unstable in an area with a weak signal. (See page 25)

### No image on a specific channel.

- Make sure the channel selection is correct.
- Change the antenna direction to the right or left.
- Adjust the fine tuning of the channel.

### Image is not stable and may appear to vibrate , horizontal bars appear.

- Adjust the fine tuning of the channel.
- Make sure there is no powerful electromagnetic wave interference from the transmitting station.
- Stop using a hair drier, electric drill or electric blender.

### No color on a specific channel (a black & white image).

- Check other channels to see if the specific channel is broadcasting a black & white program.
- Adjust the color. (See page 18)

### Black or white dots appear on all channels or a specific channel.

- Make sure the antenna is connected correctly. (See page 11)
- Make sure the status of the antenna or wire is good .
- Adjust the fine tuning of the channel.

# Troubleshooting

## For Monitor

---

### "No signal" message

- ☛ Check if the signal cable(DVI Cable) is properly connected to the computer. (See page 34)

---

### "Out of range" message

- ☛ This message may appear when the resolution and frequency of the video card in the computer are out the range of the TV. Select the proper resolution and frequency for the TV. (See page 37)

---

### Picture rolls down vertically.

- ☛ Check if the signal cable (DVI Cable) is properly connected to the computer. (See page 34)

---

### A shadowed area appears on the screen.

- ☛ Make sure the resolution and frequency of the computer video card are set properly to the range of the TV. Set the picture again referring to the standard display mode and current mode. (See page 37)

---

### The image is too large or too small.

- ☛ Adjust the picture to use the screen position feature. (See page 26)

---

### Horizontal or vertical bars appear on the screen.

- ☛ Adjust the frequency and fine tuning.
- ☛ Adjust the resolution and frequency to the recommended specifications. (See page 37)  
(1366 x 768 @ 60Hz)

---

### The power indicator light blinks green.

- ☛ The TV is in power saving mode. The picture will return to normal status when you press any key on the keyboard or move the mouse.
-



Model name		LCD 32	
LCD	Size	32" Diagonal	
	Display Size	697.64 mm (H) x 392.25 mm (V)	
	Pixel Pitch	0.170 mm (H) x 0.510 mm (V)	
	Pixel Number	1366 x 768 (WXGA)	
	Type	a-Si TFT active matrix	
	Brightness	500 cd / m <sup>2</sup>	
	Contrast Ratio	600 : 1	
	Viewing Angle	176°(H) / 176°(V)	
TV/VIDEO	Colour System	PAL / SECAM / AV NTSC	
	Sound System	D/K, I, L, L'.M	
	Video System	CVBS, S-VHS	
COMPONENT	Y / Pb / Pr	COMPONENT1,2 : 480i/p, 576i/p, 720p, 1080i	
SCART	Video Input	1.0 Vp-p @ 75 ohm	
	Audio Input	500mV RMS	
	RGB Input	0.7 Vp-p @ 75 ohm	
PC	Sync.	Horizontal	30 ~ 61KHz
		Vertical	56 ~ 75Hz
	Display Colour	16.7M (true)	
	Max. Resolution	1360 x 768	
	Sync.(H/V Separate)	Positive or Negative	
Audio Output		7.5W + 7.5W (2Way 4Speaker, 4Ω)	
Power Supply		Internal Type AC 110 ~ 240V, 50 / 60Hz	
Power Consumption		MAX. 127W	
Stand-by Mode		< 3W	
Dimension ( W x H x D )		810.7mm x 634.8mm x 105mm (Stand 245mm)	
Weights		25Kg	
Accessories		Remote Control, Battery (AAA type), Operating Instructions Power Cord	

☛ Design and specifications are subject to change without notice.

# Specifications

Model name		LCD 37	
LCD	Size	37" Diagonal	
	Display Size	819.6 mm (H) x 460.8 mm (V)	
	Pixel Pitch	0.20 mm (H) x 0.60 mm (V)	
	Pixel Number	1366 x 768 (WXGA)	
	Type	a-Si TFT active matrix	
	Brightness	500 cd / m <sup>2</sup>	
	Contrast Ratio	600 : 1	
	Viewing Angle	176°(H) / 176°(V)	
TV/VIDEO	Colour System	PAL / SECAM / AV NTSC	
	Sound System	D/K, I, L, L'.M	
	Video System	CVBS, S-VHS	
COMPONENT	Y / Pb / Pr	COMPONENT1,2 : 480i/p, 576i/p, 720p, 1080i	
SCART	Video Input	1.0 Vp-p @ 75 ohm	
	Audio Input	500mV RMS	
	RGB Input	0.7 Vp-p @ 75 ohm	
PC	Sync.	Horizontal	30 ~ 61KHz
		Vertical	56 ~ 75Hz
	Display Colour	16.7M (true)	
	Max. Resolution	1360 x 768	
	Sync.(H/V Separate)	Positive or Negative	
Audio Output		7.5W + 7.5W (2Way 4Speaker, 4Ω)	
Power Supply		Internal Type AC 110 ~ 240V, 50 / 60Hz	
Power Consumption		MAX. 170W	
Stand-by Mode		< 3W	
Dimension ( W x H x D )		944.2mm x 724.5mm x 128mm (Stand 282mm)	
Weights		32Kg	
Accessories		Remote Control, Battery (AAA type), Operating Instructions Power Cord	

☛ Design and specifications are subject to change without notice.

Model name		LCD 42	
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 <sup>2</sup>	
	Contrast Ratio	500 : 1	
	Viewing Angle	176°(H) / 176°(V)	
TV/VIDEO	Colour System	PAL / SECAM / AV NTSC	
	Sound System	D/K, I, L, L'.M	
	Video System	CVBS, S-VHS	
COMPONENT	Y / Pb / Pr	COMPONENT1,2 : 480i/p, 576i/p, 720p, 1080i	
SCART	Video Input	1.0 Vp-p @ 75 ohm	
	Audio Input	500mV RMS	
	RGB Input	0.7 Vp-p @ 75 ohm	
PC	Sync.	Horizontal	30 ~ 61KHz
		Vertical	56 ~ 75Hz
	Display Colour	16.7M (true)	
	Max. Resolution	1360 x 768	
	Sync.(H/V Separate)	Positive or Negative	
Audio Output		7.5W + 7.5W (2Way 4Speaker, 4Ω)	
Power Supply		Internal Type AC 110 ~ 240V, 50 / 60Hz	
Power Consumption		MAX. 240W	
Stand-by Mode		< 3W	
Dimension ( W x H x D )		1091mm x 809.6mm x 139mm (Stand 282mm)	
Weights		38Kg	
Accessories		Remote Control, Battery (AAA type), Operating Instructions Power Cord	

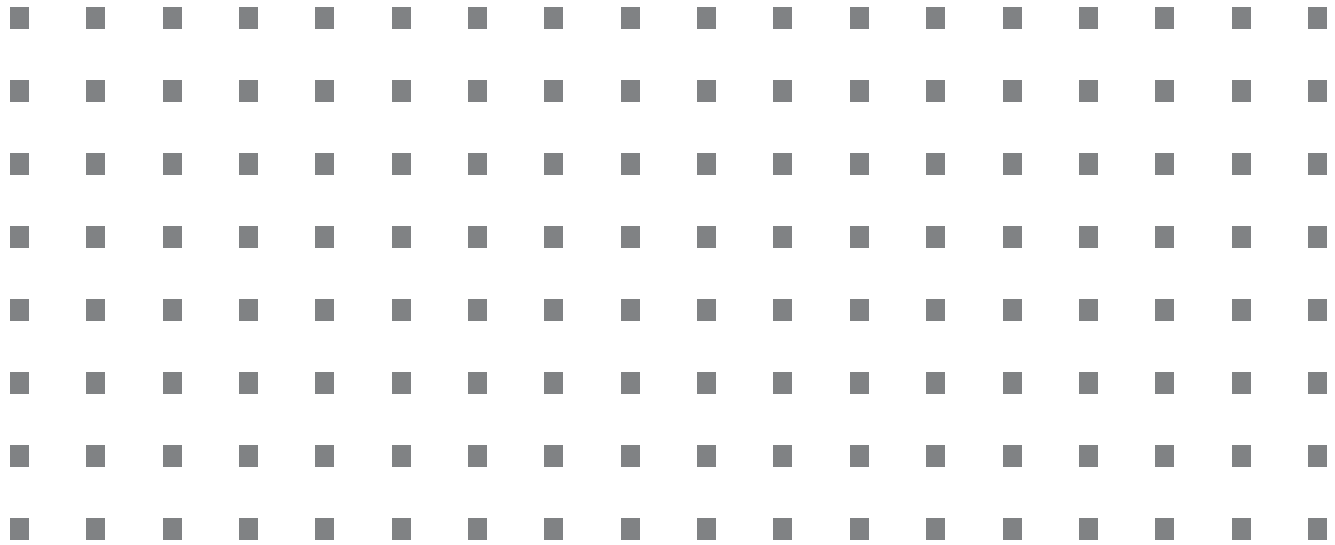
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