



**LG**

Life's Good

ENGLISH

# OWNER'S MANUAL LED LCD MONITOR TV

Please read this manual carefully before operating your set and retain it for future reference.

## LED LCD MONITOR TV MODELS

M2280A      M2280AF

M2380A      M2380AF

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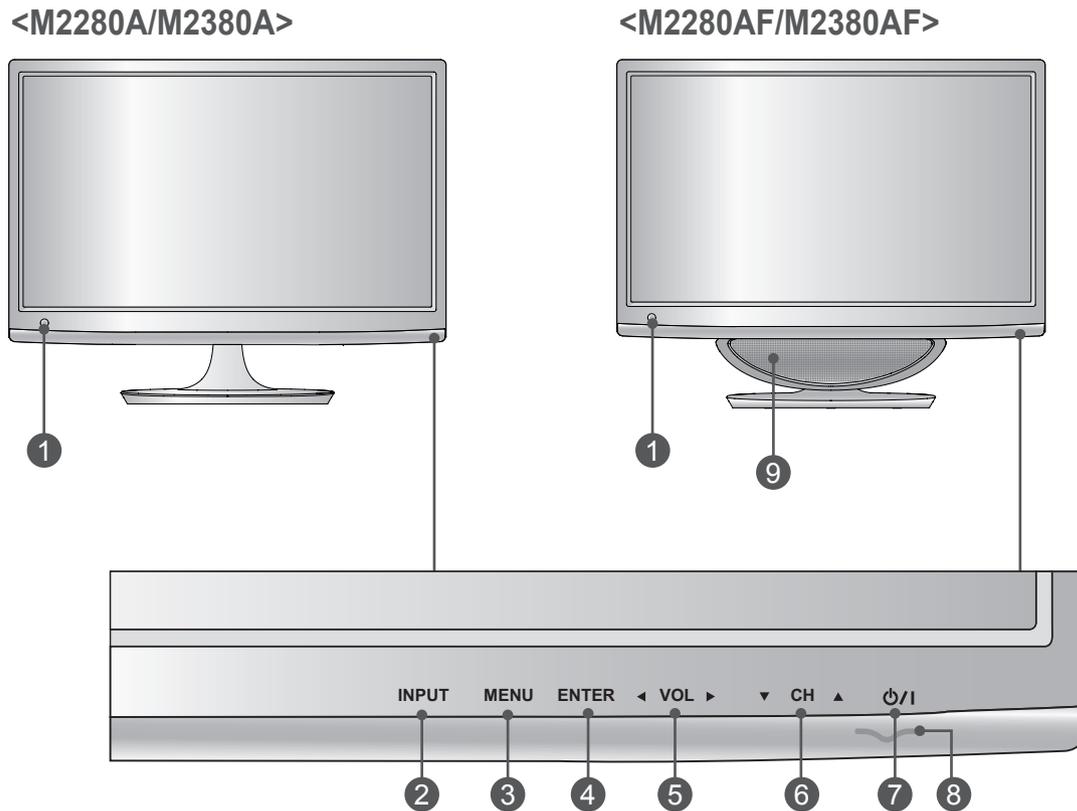
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# PREPARATION

## FRONT PANEL CONTROLS

- This is a simplified representation of the side panel. The image shown may be somewhat different from your set.



① IR RECEIVER (remote control signal receiver)

② INPUT Button

③ MENU Button

④ ENTER Button

⑤ VOLUME Button

⑥ CHANNEL Button

⑦ Power Button

⑧ Power Indicator

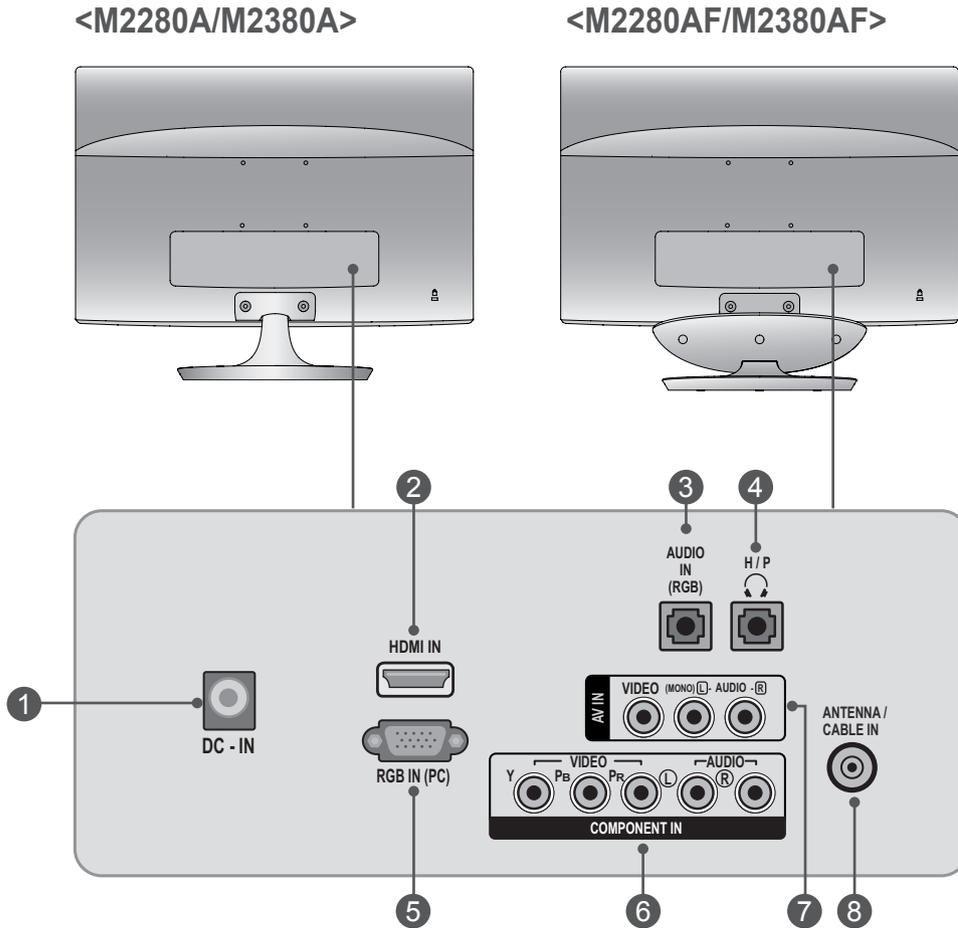
Illuminates blue when the set is switched on.

**Note:** You can adjust Power indicator in the OPTION menu.

⑨ WOOFER

# BACK PANEL INFORMATION

- This is a simplified representation of the back panel. The image shown may be somewhat different from your set.



**1 DC ADAPTER PORT**

Connect to the power jack.

**2 HDMI INPUT**

Connect a HDMI signal to HDMI IN.  
Or DVI (VIDEO) signal to HDMI IN with DVI to HDMI cable.

**3 RGB AUDIO INPUT**

Connect the audio from a PC.

**4 HEADPHONE SOCKET**

Plug the headphone into the headphone socket.

**5 RGB INPUT (PC)**

Connect the output from a PC.

**6 COMPONENT INPUT**

Connect a component video/audio device to these jacks.

**7 AV(AUDIO/VIDEO) INPUT**

Connect audio/video output from an external device to these jacks.

**8 ANTENNA / CABLE INPUT**

Connect over-the-air signals to this jack.

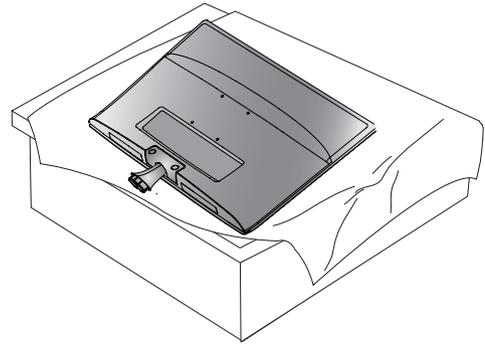
# PREPARATION

<M2280A/M2380A>

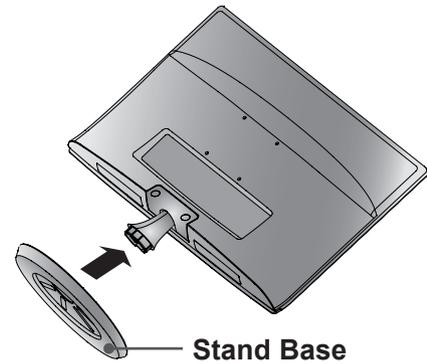
## STAND INSTALLATION

■ The image shown may be somewhat different from your set.

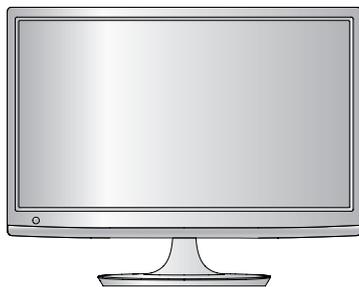
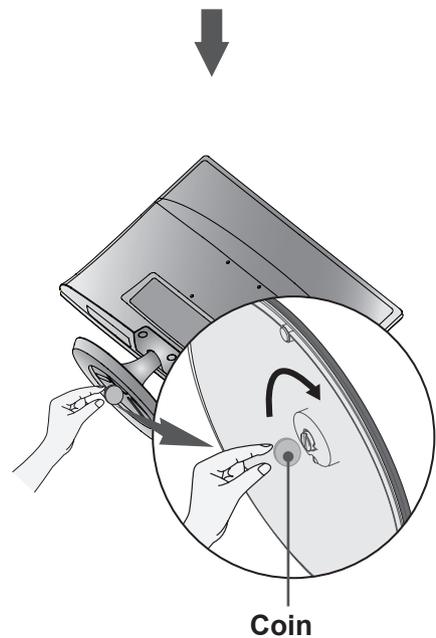
1 Carefully place the product screen side down on a cushioned surface that will protect the set and its screen from damage.



2 Insert the **Stand Base** into the product.



3 Use a **Coin** on the bottom of the stand base and turn the screw clockwise to tighten.

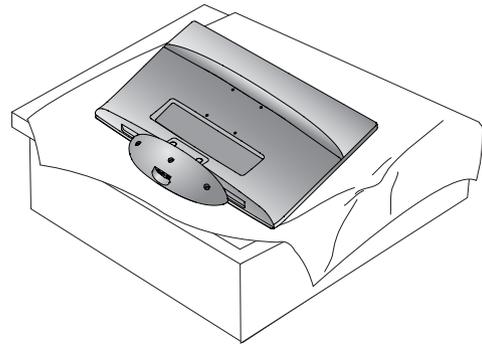


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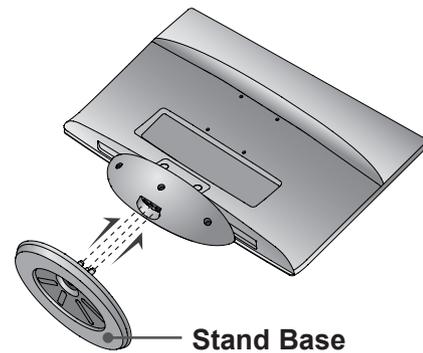
## STAND INSTALLATION

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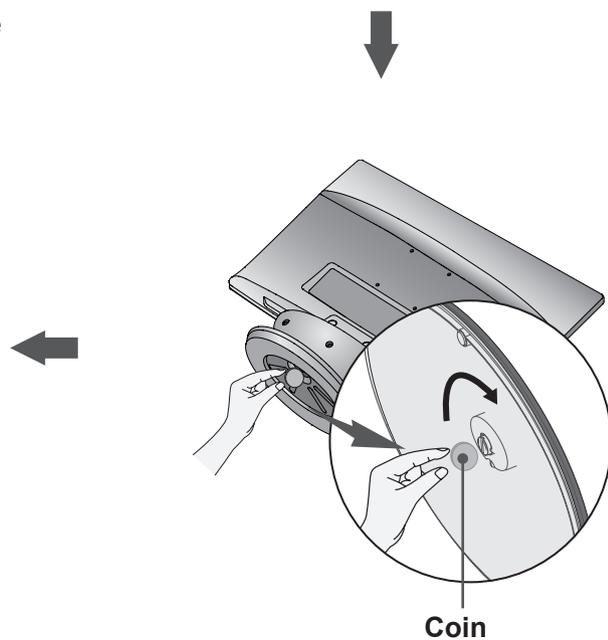
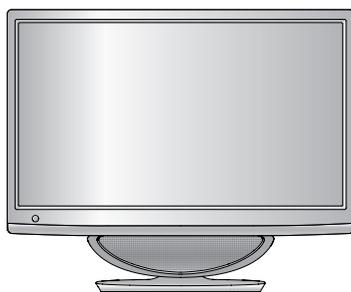
- 1 Carefully place the product screen side down on a cushioned surface that will protect the set and its screen from damage.



- 2 Insert the **Stand Base** into the product.



- 3 Use a **Coin** on the bottom of the stand base and turn the screw clockwise to tighten.



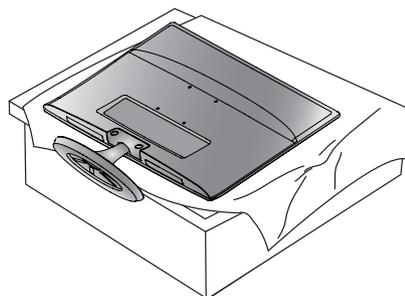
# PREPARATION

<M2280A/M2380A>

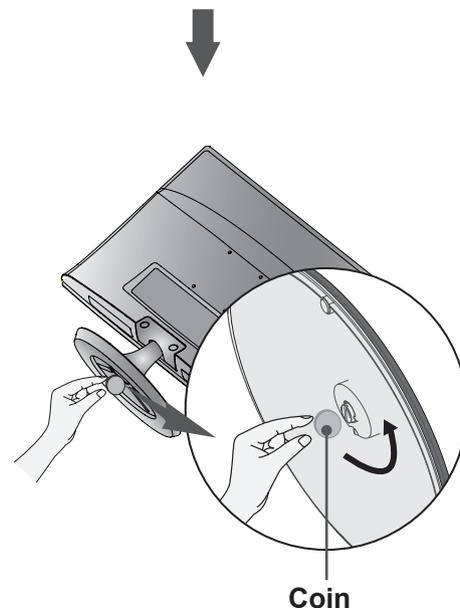
## DETACHING STAND

■ The image shown may be somewhat different from your set.

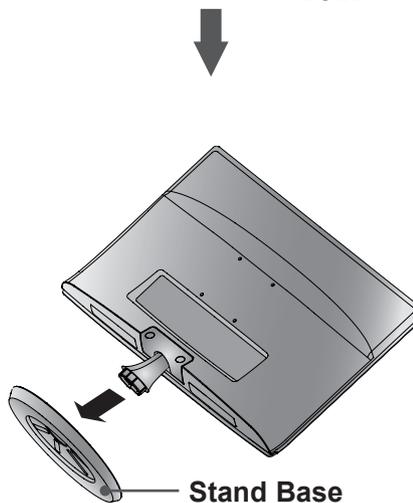
1 Place the set screen side down on a cushion or soft cloth.



2 Detach the stand base from the set by turning the screw to the left with a **Coin**.



3 Pull the **Stand Base**.

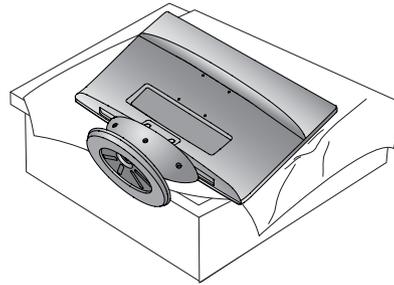


<M2280AF/M2380AF>

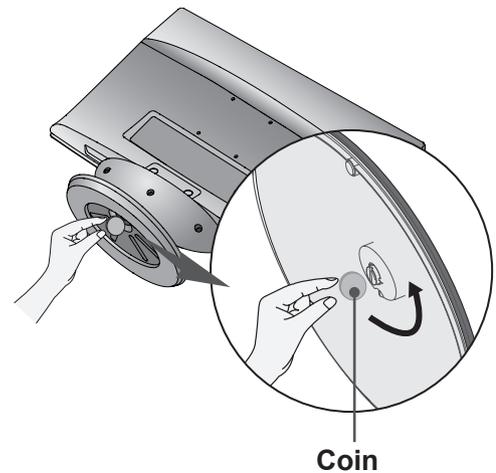
## DETACHING STAND

■ The image shown may be somewhat different from your set.

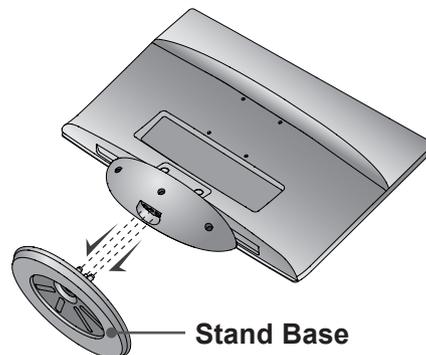
**1** Place the set screen side down on a cushion or soft cloth.



**2** Detach the stand base from the set by turning the screw to the left with a **Coin**.



**3** Pull the **Stand Base**.



# PREPARATION

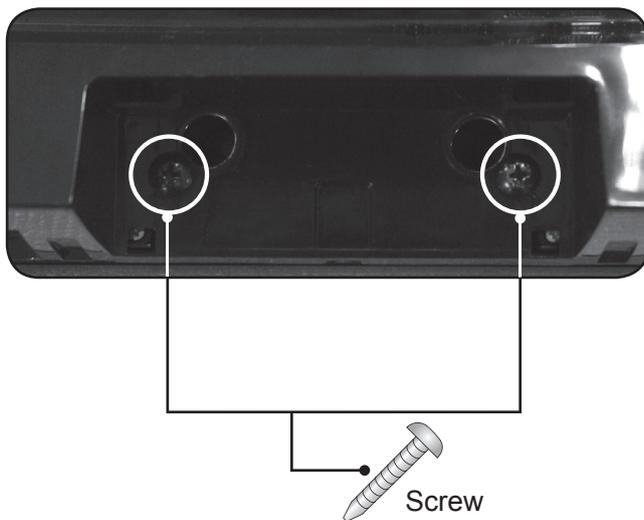
## DETACHING STAND BODY(Only M2280A/M2380A)

- The image shown may be somewhat different from your set.
- Remove the Stand Body in the same way as the following when using it as a Wall Hook.

1. Remove the screw 2 point.
2. Pull the stand body.



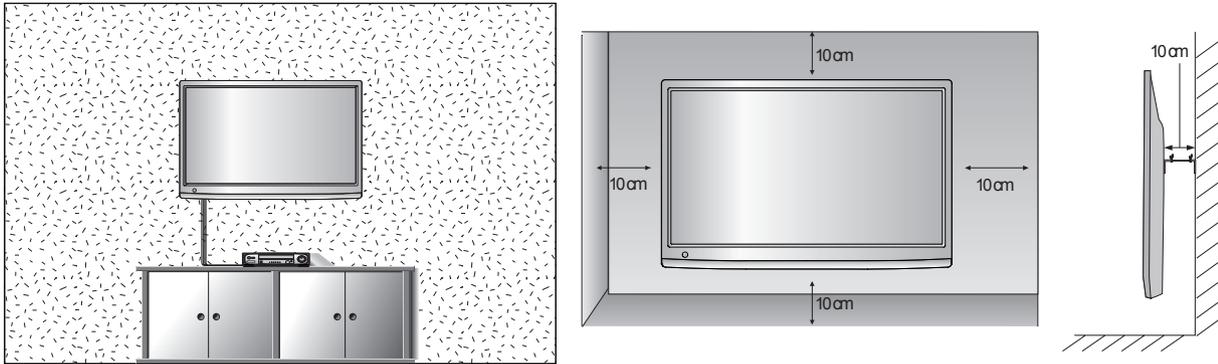
3. Assemble the screw 2 point.



# WALL MOUNT: HORIZONTAL INSTALLATION

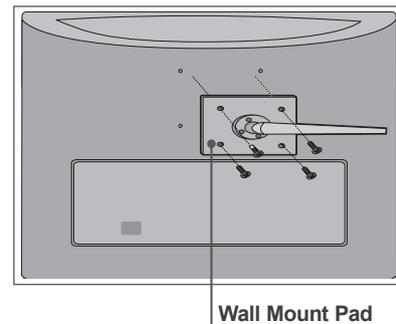
■ The image shown may be somewhat different from your set.

For proper ventilation, allow a clearance of 10 cm on each side and from the wall. Detailed installation instructions are available from your dealer, see the optional Tilt Wall Mounting Bracket Installation and Setup Guide.

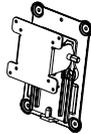


If you intend to mount the set to a wall, attach Wall mounting interface (optional parts) to the back of the set. When you install the set using the wall mounting interface (optional parts), attach it carefully so it will not drop.

1. Be sure to use screws and a wall mount that meet VESA standards.
2. Using screws longer than those recommended might damage the product.
3. Using screws that do not meet VESA standards might either damage the product or result in it coming away from the wall. We will not be held responsible for any damage resulting from failure to follow these instructions.
4. VESA compatible only with respect to screw mounting interface dimensions and mounting screw specifications.
5. Please use VESA standard as below.
  - 5-1) 784.8 mm (30.9 inch) and under
    - \* Wall Mount Pad Thickness : 2.6 mm
    - \* Screw :  $\Phi$  4.0 mm x Pitch 0.7 mm x Length 10 mm
  - 5-2) 787.4 mm (31.0 inch) and above
    - \* Please use VESA standard wall mount pad and screws.



## < Screw Mounting Interface Dimensions >

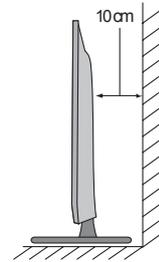
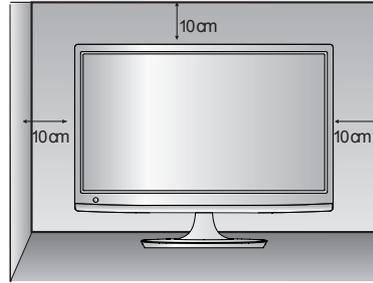
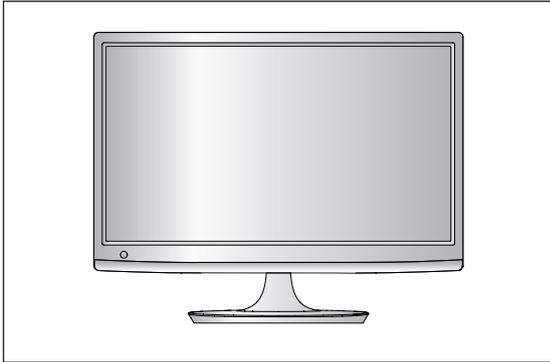
<b>Model</b>	M2280A/M2280AF M2380A/M2380AF
<b>VESA ( A x B )</b>	75 x 75
<b>Wall mount bracket(optional)</b>	RW120 

# PREPARATION

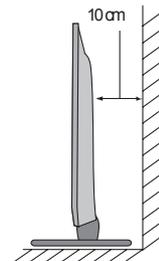
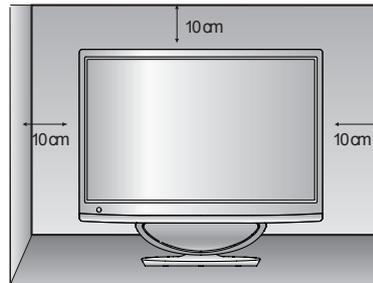
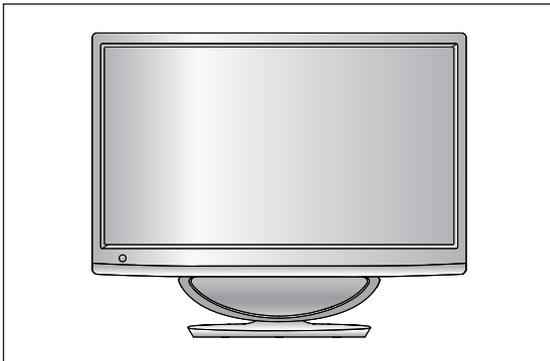
## DESKTOP PEDESTAL INSTALLATION

For proper ventilation, allow a clearance of 10 cm on each side and from the wall.

### <M2280A/M2380A>



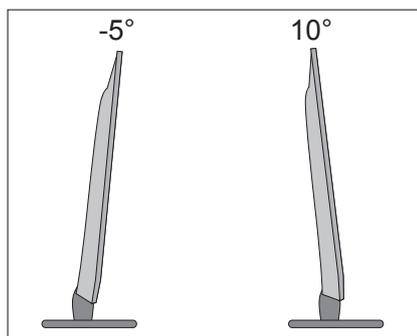
### <M2280AF/M2380AF>



## POSITIONING YOUR DISPLAY

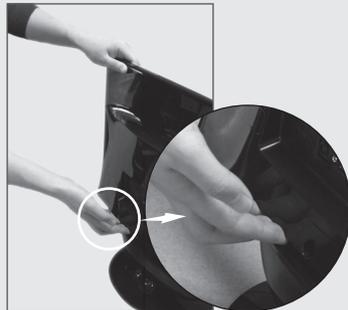
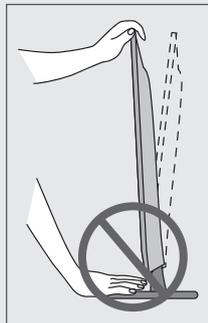
- The image shown may be somewhat different from your set.  
Adjust the position of the panel in various ways for maximum comfort.

### \* Tilt range



## LOCATION

Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also, ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back cover.



<M2280AF/M2380AF>

### **!** WARNING

When adjusting the angle of the screen, do not put your finger(s) in between the head of the monitor and the stand body or woofer. You can hurt your finger(s).

# PREPARATION

## KENSINGTON SECURITY SYSTEM

- The product is equipped with a Kensington Security System connector on the back panel. Connect the Kensington Security System cable as shown below.
- For detailed installation and use of the Kensington Security System, refer to the user's guide provided with the Kensington Security System.
- For further information, visit <http://www.kensington.com>. Kensington sells security systems for expensive electronic equipment such as notebook PCs and LCD projectors.

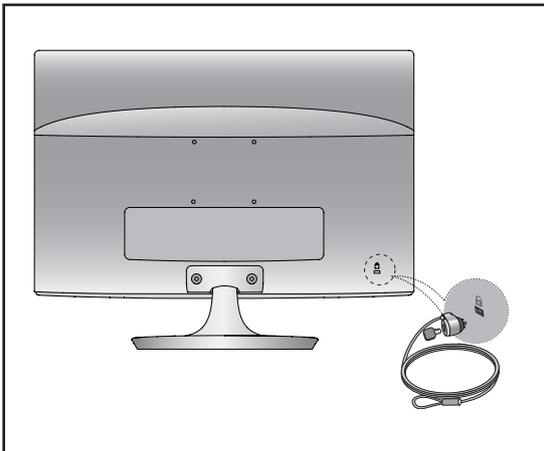
### NOTE

- The Kensington Security System is an optional accessory.

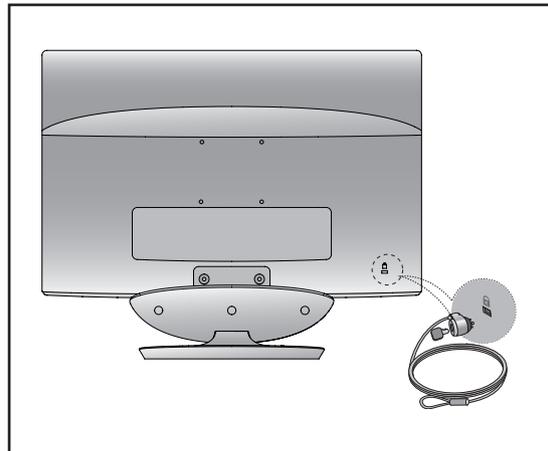
### NOTES

- If the product feels cold to the touch, there may be a small "flicker" when it is turned on. This is normal, there is nothing wrong with product.
- Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance.
- Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce temporary distortions on the screen.

<M2280A/M2380A>



<M2280AF/M2380AF>

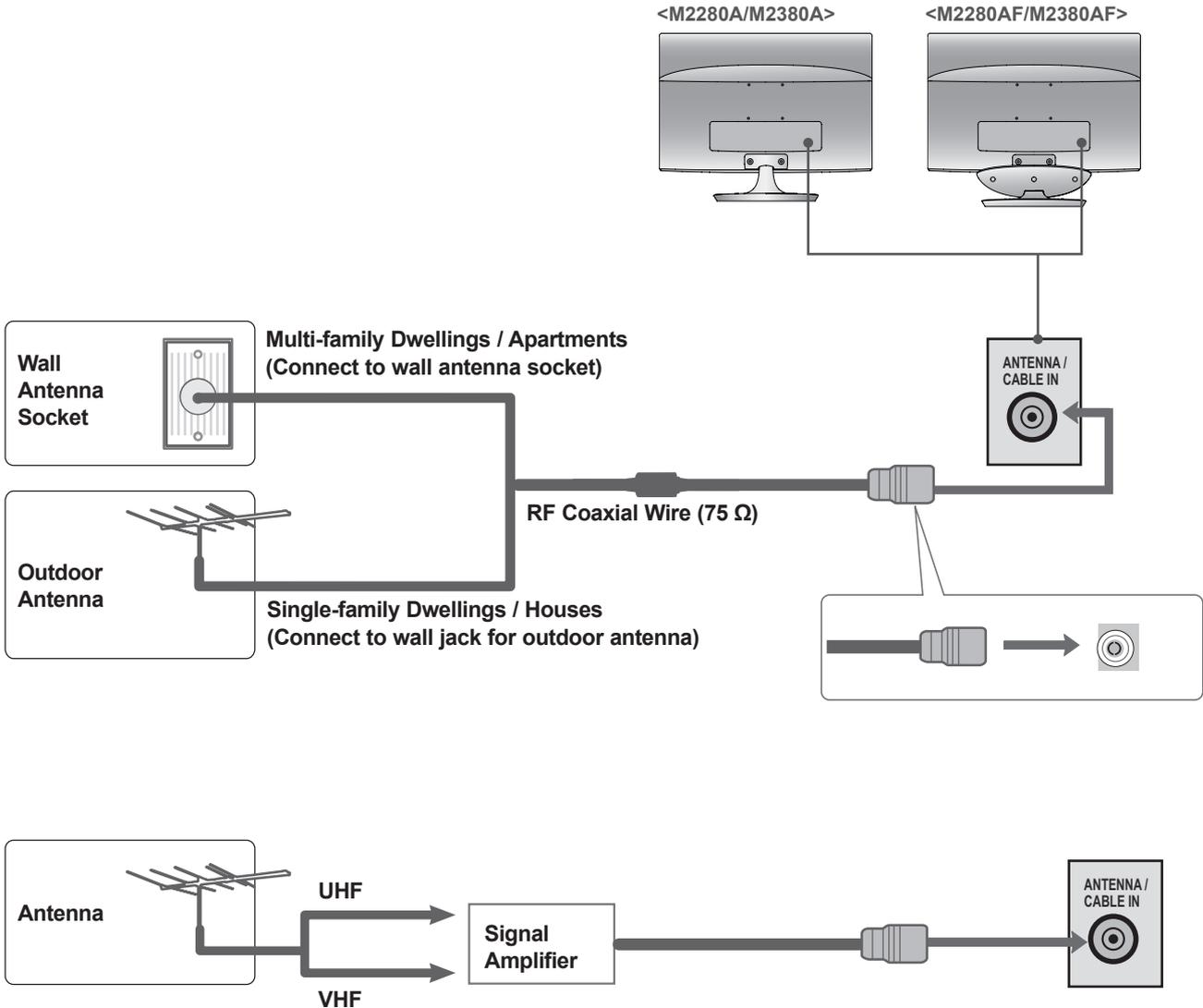


# EXTERNAL EQUIPMENT SETUP

- To prevent damage do not connect to the mains outlet until all connections are made between the devices.

## ANTENNA CONNECTION

- For optimum picture quality, adjust antenna direction.
- An antenna cable and converter are not included with the SET.



- In poor signal areas, to get better picture quality, install a signal amplifier to the antenna as shown above.
- If signal needs to be split for two sets, use an antenna signal splitter for connection.

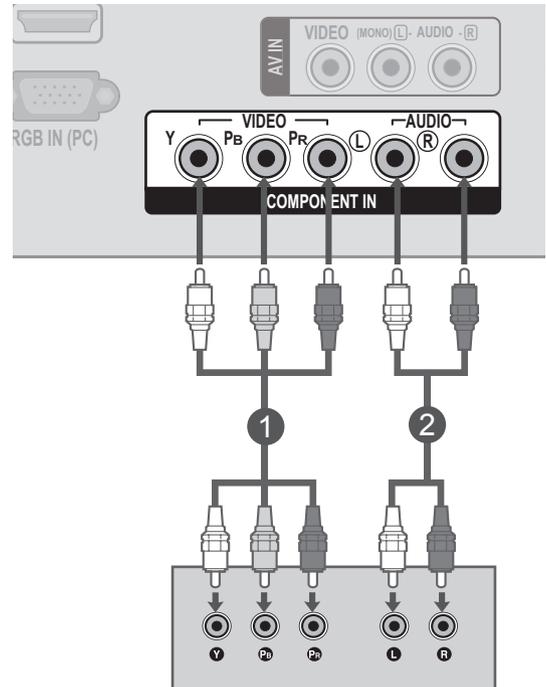
# EXTERNAL EQUIPMENT SETUP

- To avoid damaging any equipment, never plug in any power cords until you have finished connecting all equipment.
- The image shown may be somewhat different from your set.

## HD RECEIVER SETUP

### When connecting with a component cable

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

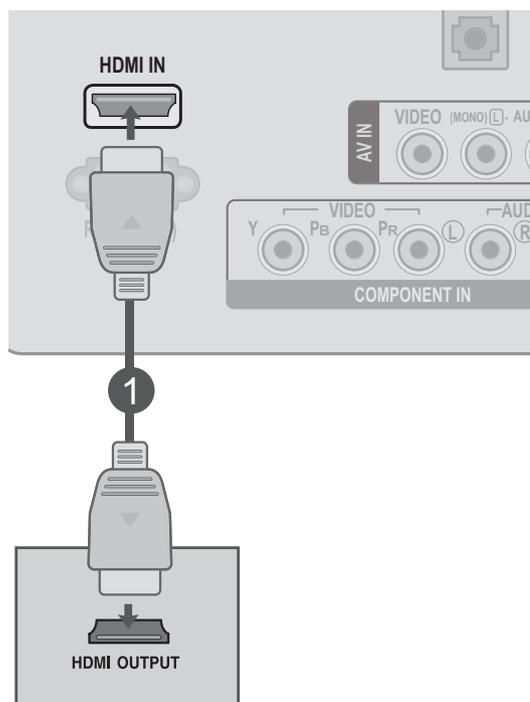


### Support resolution

Signal	Component
480i / 576i	O
480p / 576p	O
720p	O
1080i / 1080p	O

## Connecting a set-top box with a HDMI cable

- 1 Connect the **HDMI** output of the digital set-top box to the **HDMI IN** jack on the set.
- 2 Select **HDMI** input source using the **INPUT** button on the remote control.
- 3 Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)



### Support resolution

Signal	Component
480p / 576p	O
720p	O
1080i / 1080p	O

### ! NOTE

- ▶ Set can receive the video and audio signal simultaneously with using a HDMI cable.
- ▶ If the digital set-top box supports Auto HDMI function, the output resolution of the source device will be automatically set to 1920 x 1080p.
- ▶ Check out the resolution setting of external device is 1920 X 1080P for getting best picture quality.
- ▶ We recommend less than 10 m for HDMI cable.
- ▶ Check that your HDMI cable is High Speed HDMI Cable. If the HDMI cables are not High Speed HDMI Cable, flickering or no screen display can result. Please use the High Speed HDMI Cable.

# EXTERNAL EQUIPMENT SETUP

## DVD SETUP

### Connecting with a component cable

- 1 Connect the video outputs (Y, PB, PR) of the **DVD** to the **COMPONENT IN VIDEO** jacks on the set.

---

- 2 Connect the audio outputs of the **DVD** to the **COMPONENT IN AUDIO** jacks on the set.

---

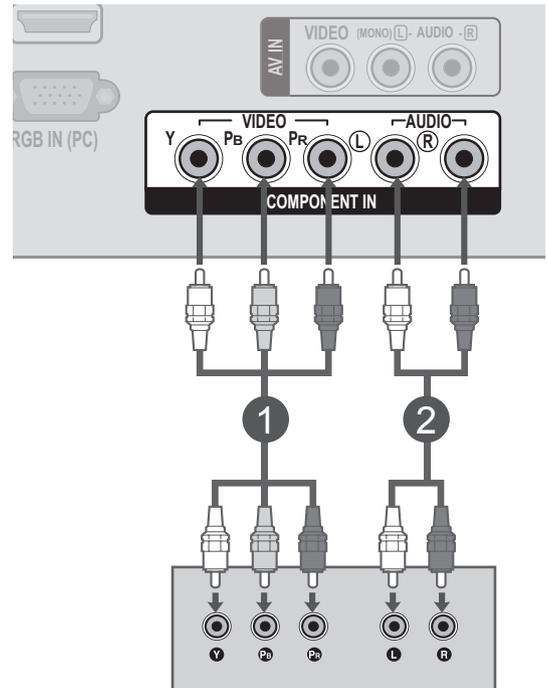
- 3 Turn on the **DVD** player, insert a **DVD**.

---

- 4 Select Component using the **INPUT** on the remote control.

---

- 5 Refer to the **DVD** player's manual for operating instructions.



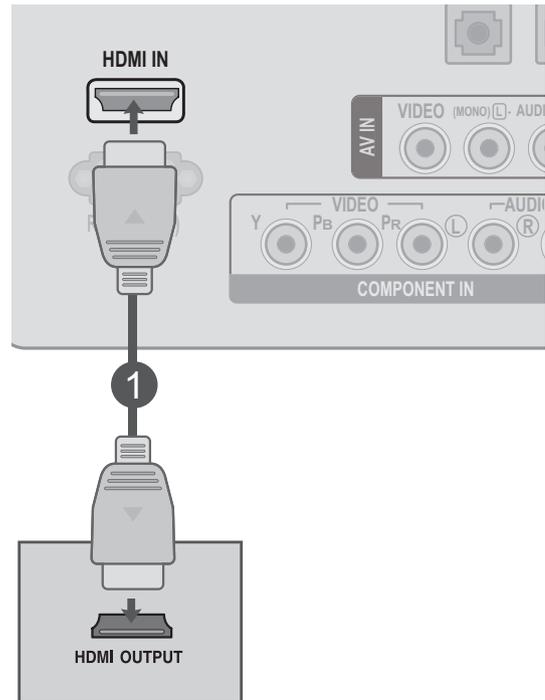
#### Port matching

Connect between the port of TV and the port of DVD, As below chart.

Port name of this set	Y	P <sub>B</sub>	P <sub>R</sub>
Port name of DVD	Y	P <sub>B</sub>	P <sub>R</sub>
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

## Connecting with a HDMI cable

- 1 Connect the **HDMI** output of the **DVD** to the **HDMI IN** jack on the set.
- 2 Select **HDMI** input source using the **INPUT** button on the remote control.
- 3 Refer to the **DVD** player's manual for operating instructions.



### ! NOTE

- ▶ Set can receive the video and audio signal simultaneously with using a HDMI cable.
- ▶ If the digital set-top box supports Auto HDMI function, the output resolution of the source device will be automatically set to 1920 x 1080p.
- ▶ If the digital set-top box player does not support Auto HDMI, you need to set the output resolution appropriately.
- ▶ To get the best picture quality, adjust the output resolution of the source device to 1920 x 1080p .
- ▶ We recommend less than 10 m for HDMI cable.
- ▶ Check that your HDMI cable is High Speed HDMI Cable. If the HDMI cables are not High Speed HDMI Cable, flickering or no screen display can result. Please use the High Speed HDMI Cable.

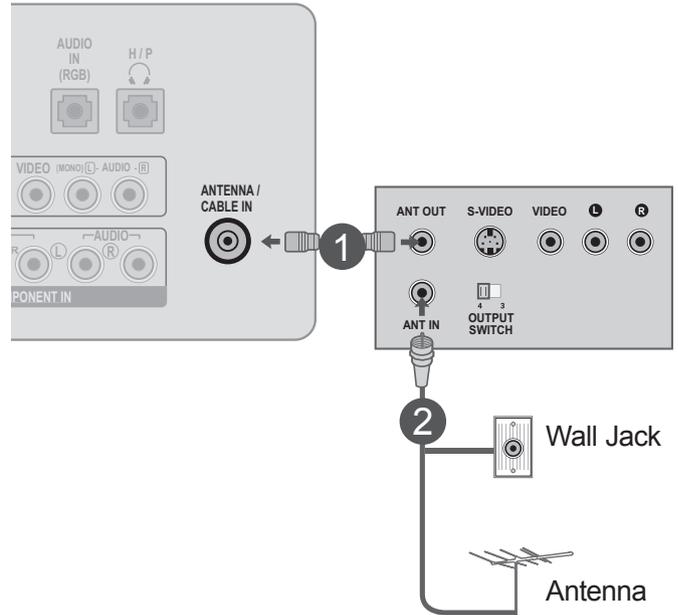
# EXTERNAL EQUIPMENT SETUP

## VCR SETUP

- To avoid picture noise (interference), allow adequate distance between the VCR and SET.

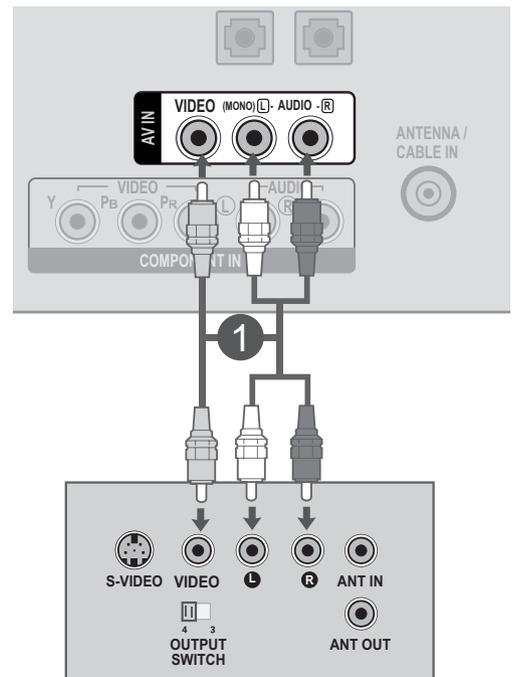
### Connecting with a RF cable

- 1 Connect the **ANT OUT** socket of the **VCR** to the **ANTENNA IN** socket on the set.
- 2 Connect the antenna cable to the **ANT IN** socket of the **VCR**.
- 3 Press the **PLAY** button on the **VCR** and match the appropriate program between the **SET** and **VCR** for viewing.



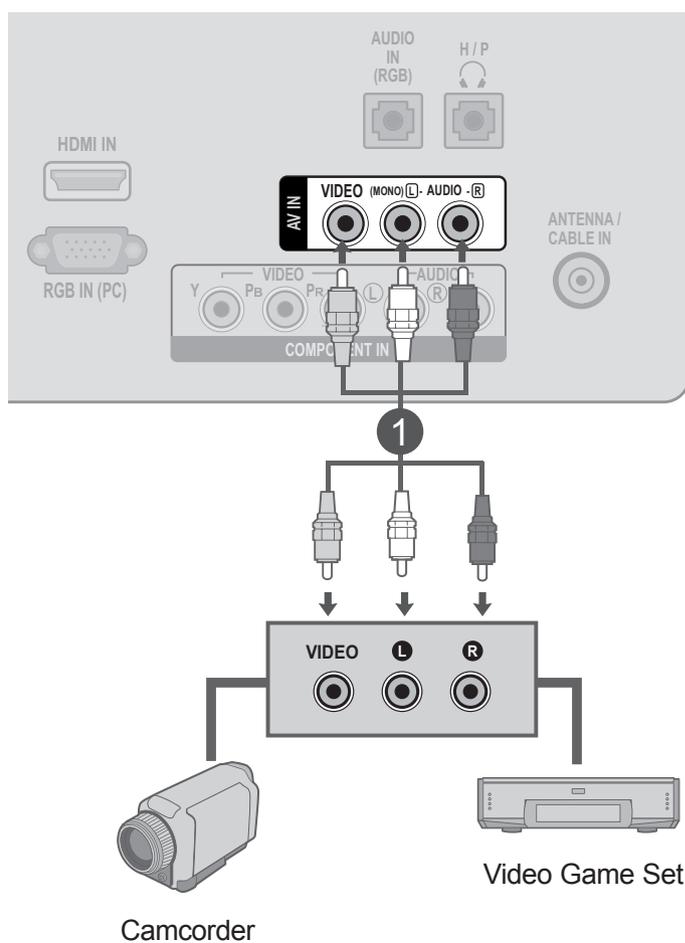
### Connecting with a RCA cable

- 1 Connect the **AUDIO / VIDEO** jacks between SET and **VCR**. Match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red)
- 2 Insert a video tape into the VCR and press PLAY. (Refer to the VCR owner's manual.)
- 3 Select AV input source using the **INPUT** button on the remote control.



## OTHER A/V SOURCE SETUP

- 1 Connect the **AUDIO / VIDEO** jacks between SET and external equipment. Match the jack colors. (Video = yellow, Audio Left = white, and Audio Right = red)
- 2 Select **AV** input source using the **INPUT** button on the remote control. If connected to **AV IN**, select **AV** input source.
- 3 Operate the corresponding external equipment. Refer to external equipment operating guide.



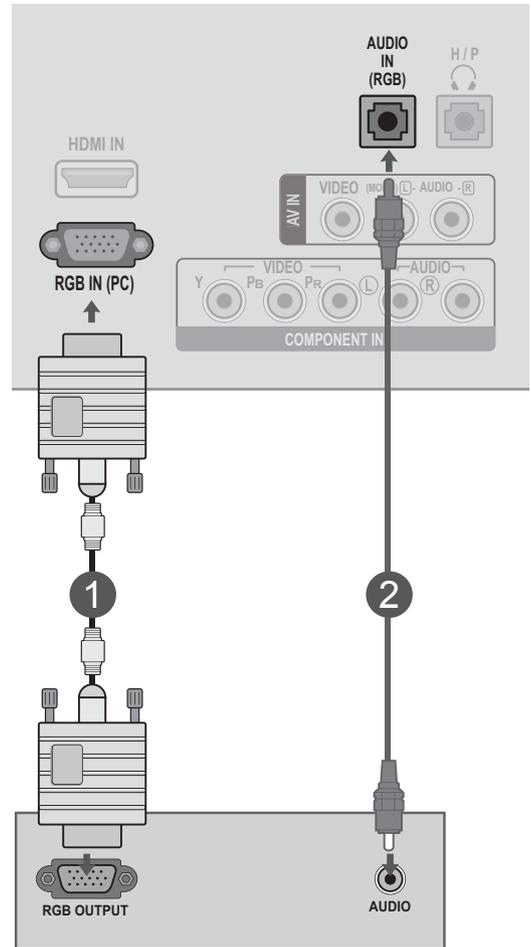
# EXTERNAL EQUIPMENT SETUP

## PC SETUP

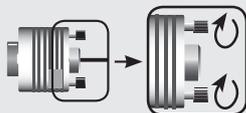
When using the remote control, aim it at the remote control sensor on the set.

### When connecting with a D-sub 15 pin cable

- 1 Connect the signal cable from the monitor output socket of the **PERSONAL COMPUTER** to the **PC** input socket of the set.
- 2 Connect the audio cable from the **PC** to the **AUDIO IN (RGB)** sockets of the set.
- 3 Press the **INPUT** button to select **RGB PC**.
- 4 Switch on the **PC**, and the **PC** screen appears on the set. The set can be operated as a PC monitor.



### ! NOTE

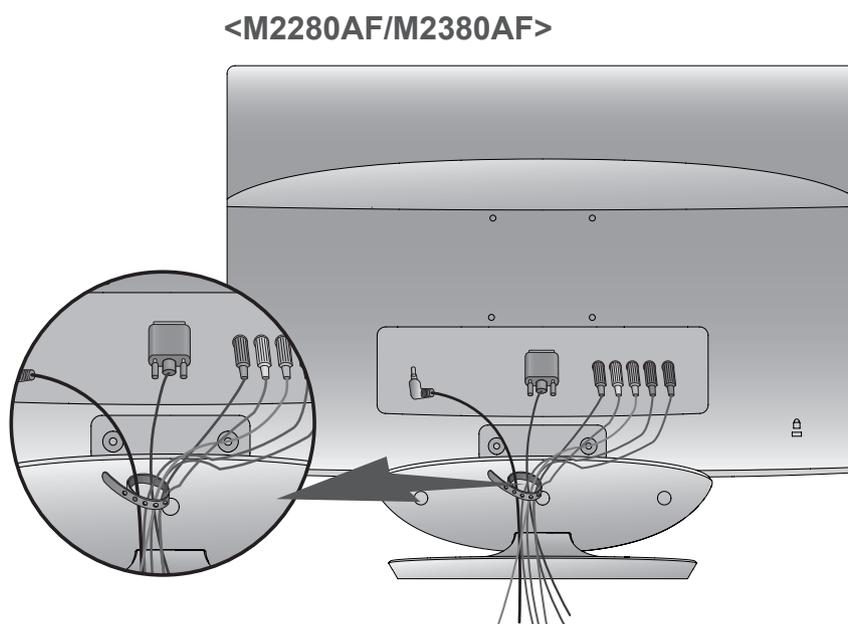
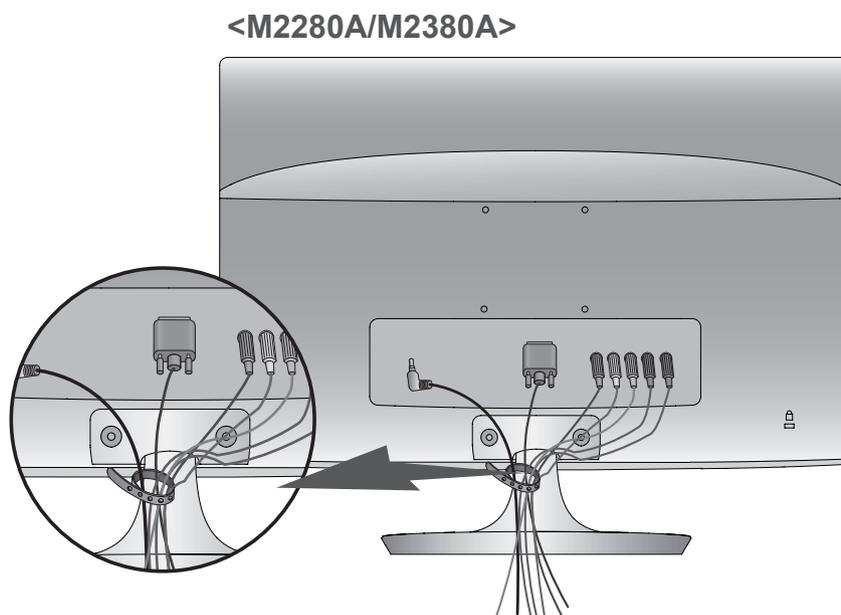


► Connect the signal input cable and tighten it by turning the screws clockwise.

► User must use VGA cable (D-sub 15 pin cable) with ferrite cores to maintain standard compliance for the product.

## BACK COVER FOR WIRE ARRANGEMENT

Tie cables together for better cable management as shown in the illustration below.



# EXTERNAL EQUIPMENT SETUP

## SUPPORTED DISPLAY RESOLUTION

### RGB[PC] mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
640 x 480	31.469	59.94
800 x 600	37.879	60.317
1024 x 768	48.363	60.0
1152 x 864	54.34	60.05
1280 x 960	60	60
1280 x 1024	63.981	60.02
1680 x 1050	64.674	59.883
1680 x 1050	65.290	59.954
1920 x 1080	67.5	60

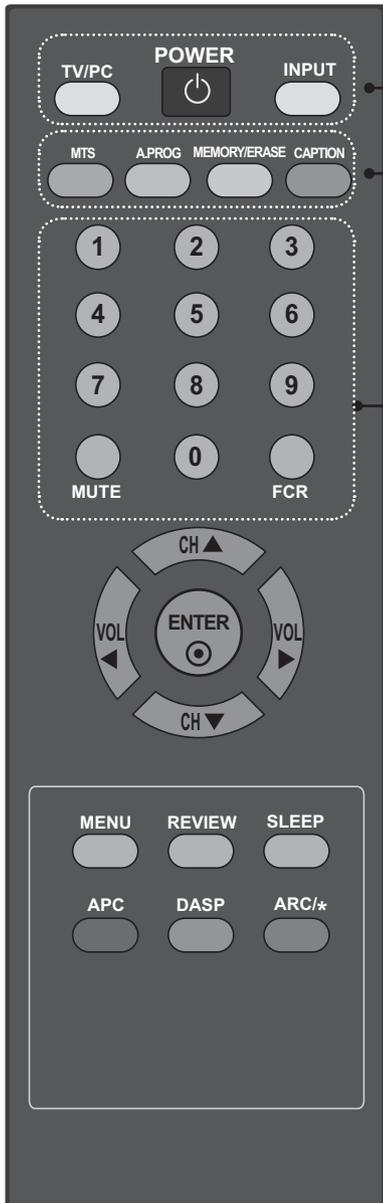
### HDMI[DTV] mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
720 x 480	15.75	60.00
720 x 480	15.73	59.94
720 x 576	15.625	50.00
720 x 480	31.47	59.94
720 x 480	31.50	60.00
720 x 576	31.25	50.00
1280 x 720	44.96	59.94
1280 x 720	45.00	60.00
1280 x 720	37.50	50.00
1920 x 1080	33.72	59.94
1920 x 1080	33.75	60.00
1920 x 1080	28.125	50.00
1920 x 1080	67.432	59.94
1920 x 1080	67.5	60
1920 x 1080	56.250	50

# WATCHING TV / CHANNEL CONTROL

## REMOTE CONTROL KEY FUNCTIONS

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



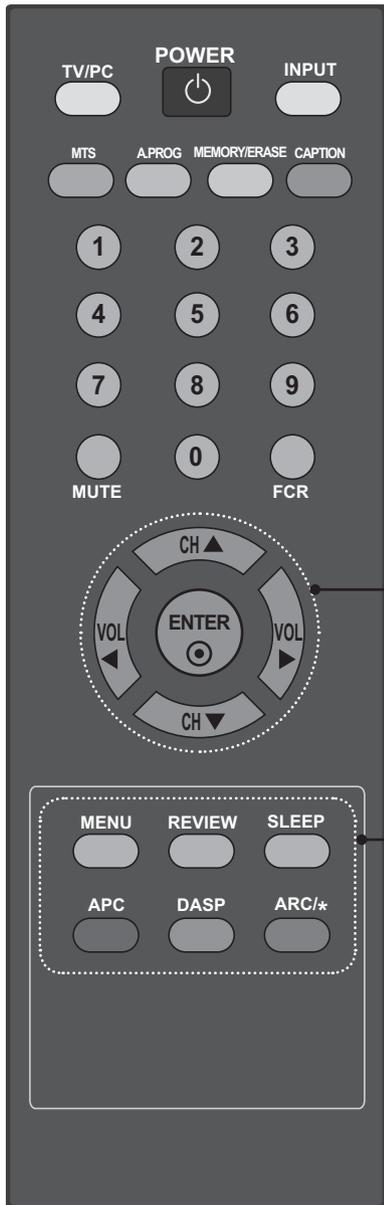
**POWER** Switches the set on from standby or off to standby.  
**TV/PC** Selects TV or PC mode.  
**INPUT** Cycles through external input modes.

**MTS** Press repeatedly to select Mono, Stereo, SAP sound tone. But Stereo, SAP mode are available only if included on the broadcast signal.  
**A.PROG** Auto Channel Button.  
**MEMORY/ERASE** User can do manual channel selection and store or erase individual channels.  
**CAPTION** Select a closed caption.  
Off → Mode1 → Mode2 → Text1 → Text2  
(▶ p.53)

**0 to 9 number button** Selects a channel.  
Selects numbered items in a menu.  
**MUTE** Switches the sound on or off.  
**FCR** Favorite channel button.

# WATCHING TV / CHANNEL CONTROL

WATCHING TV / CHANNEL CONTROL



**THUMBSTICK** Allows you to navigate the on-screen menus and adjust the system settings to your preference.

-Up/Down Adjusts the volume.

-Left/Right Selects a channel.

**ENTER** Accepts your selection or displays the current mode.

**MENU** Selects a menu.(▶ p.28)

**REVIEW** Turn to the last channel viewed.

**SLEEP** Sets the sleep timer.

**APC** Auto Picture Control.

Press repeatedly to select Standard, Vivid or Cinema mode.

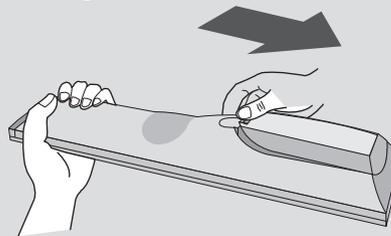
**DASP** Digital Auto Sound Processing.

Use this button to select the sound tone.

Press repeatedly to select Standard, Music or Cinema.

**ARC/\*** Selects your desired picture format.(▶ p.32)

## Installing Batteries



- Open the battery compartment cover on the back side and install the batteries matching correct polarity (+with +,-with -)
- Install two 1.5 V AAA batteries. Don't mix old or used batteries with new ones.
- Close cover.
- To remove the batteries, perform the installation actions in reverse.

## TURNING ON THE SET

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

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- 1 Firstly, connect the power cord correctly.  
At this stage, the set switches to standby mode.
    - In standby mode to turn set on, press the button  $\phi/1$  on the set or press the POWER buttons on the remote control and the set will switch on.
- 

## INSTALLATION GUIDE

- 1 If the OSD (On Screen Display) is displayed on the screen after turning on the set, you can adjust the **Language, Auto Tuning**.

**Note:**

- a. It will automatically disappear after approx. 40 seconds unless a button is pressed.
  - b. If you close without completing the initial setting, the Installation Guide menu can be displayed again.
- 

## CHANNEL SELECTION

- 1 Press the  $\blacktriangle/\blacktriangledown$  or NUMBER buttons to select a channel number.
- 

## VOLUME ADJUSTMENT

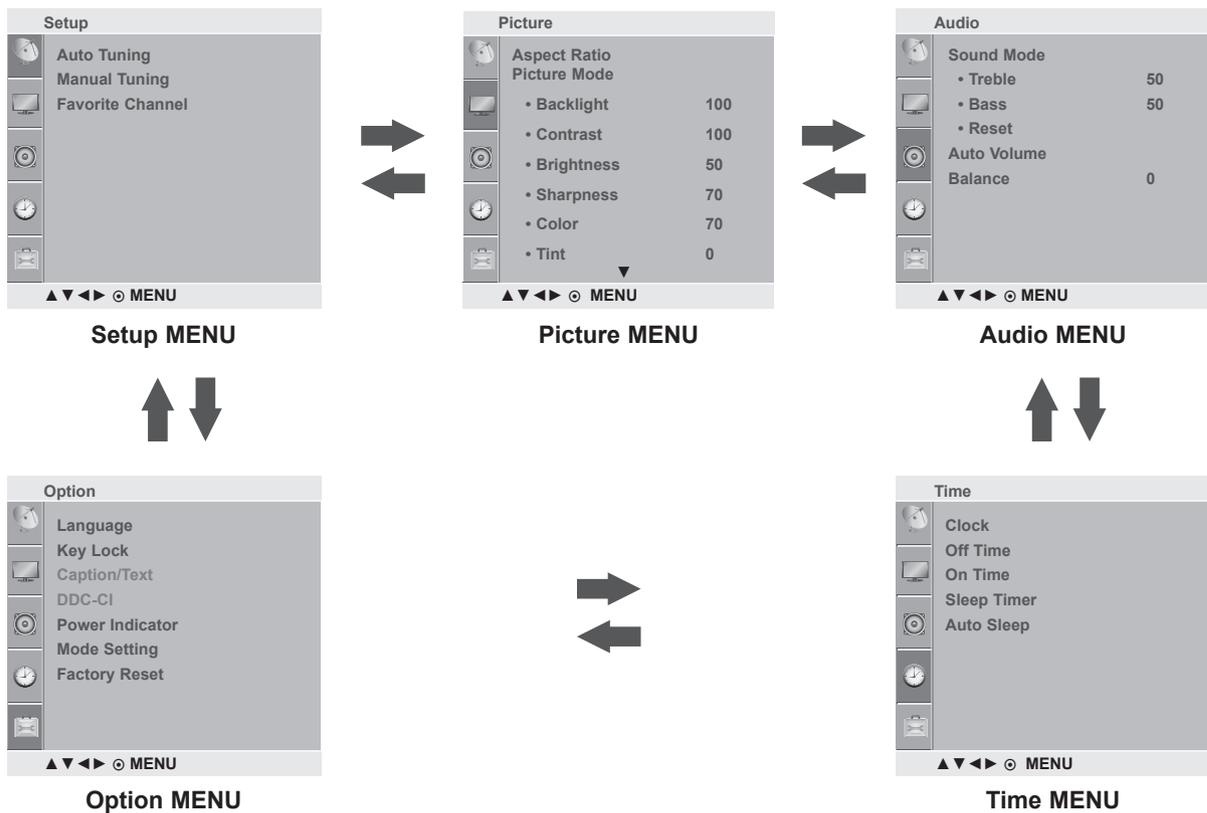
- 1 Press the  $\blacktriangleleft/\blacktriangleright$  button to adjust the volume.  
.....
  - 2 If you wish to switch the sound off, press the MUTE button.  
.....
  - 3 You can cancel the Mute function by pressing the MUTE,  $\blacktriangleleft/\blacktriangleright$ , MTS or DASP.
-

# WATCHING TV / CHANNEL CONTROL

## ON SCREEN MENUS SELECTION AND ADJUSTMENT

Your set's OSD (On Screen Display) may differ slightly from that shown in this manual.

- 1 Press the **MENU** button and then **▲/▼** button to display each menu.
- 2 Press the **▶** button and then **▲/▼** button to select a menu item.
- 3 Change the setting of an item in the sub or pull-down menu with **◀ / ▶** button. You can move to a higher level menu by pressing the **ENTER(⊙)** button.



### ! NOTE

- ▶ The OSD (On Screen Display) function enables you to adjust the screen status conveniently since it provides graphical presentation.
- ▶ In this manual, the OSD (On Screen Display) may be different from your set's because it is just example to help the set operation.

# AUTO TUNING

This TV is able to store 181channel (TV channel:2 to 69,CATV channel:1,14 to 125).  
If you attempt below, automatically search for TV channels that are available in your area.

- 
- 1 Press the **MENU** button and then ▲ / ▼ button to select the **Setup** menu.
- .....

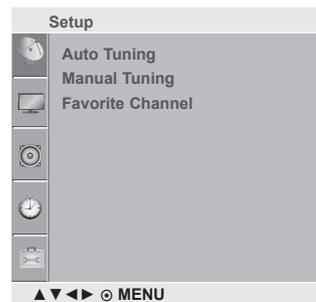
- 2 Press the ► button and then ▲ / ▼ button to select **Auto Tuning**.
- .....

- 3 Press the ► button to begin auto tunning.  
All receivable stations are stored.

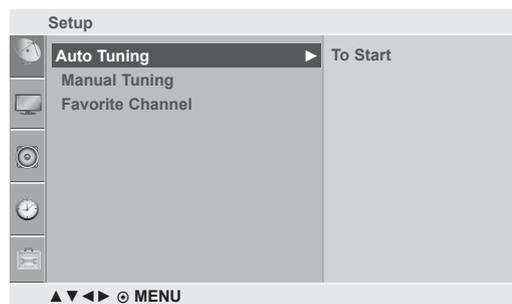
To stop auto tuning, press the menu button.  
When auto tunig is complete, the program edit menu appears on the screen. See the program edit section to edit the stored program.

.....

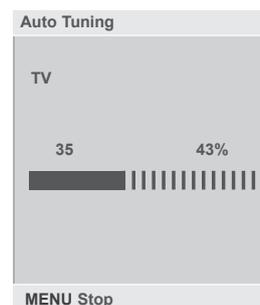
- 4 Press the **MENU** button to move to the previous menu screen.
- 



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# WATCHING TV / CHANNEL CONTROL

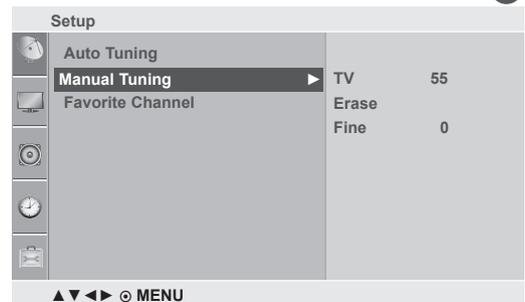
## MANUAL TUNING

You can add or delete channels from the channel scan manually.

- 1 Press the **MENU** button and then **▲ / ▼** button to select the **Setup** menu.
- 2 Press the **▶** button and then **▲ / ▼** button to select **Manual Tuning**.
- 3 Press the **▶** button and then **▲ / ▼** button to select **Channel number**.
- 4 Press the **▲ / ▼** button to select **Erase**.
- 5 Press the **▲ / ▼** button to select **Fine**. (Normally fine tuning is only necessary if reception is poor.)
- 6 Press the **MENU** button to move to the previous menu screen.



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3 4 5



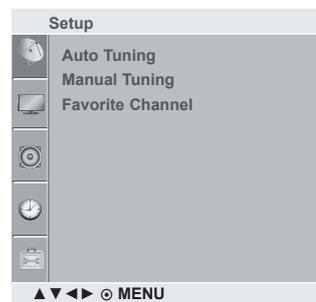
3 4 5

# FAVORITE CHANNEL

This function lets you select your favorite channel directly.

Repeatedly press the **FCR** button to select stored favorite channel.

- 
- 1 Press the **MENU** button and then **▲ / ▼** button to select the **Setup** menu.



- 2 Press the **▶** button and then **▲ / ▼** button to select **Favorite Channel**.

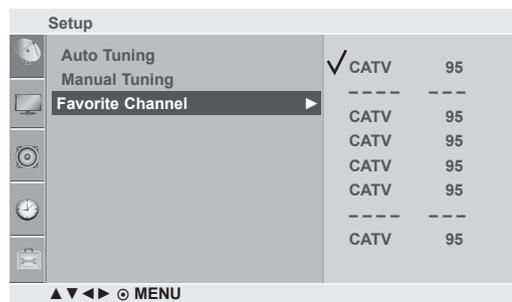
- 3 Press the **▶** button.

- 4 Press the **▲ / ▼** button to select - - - - -.

- 5 Select a desired channel with the **◀ / ▶** button.

- 6 To store another channel, repeat steps 4 to 5. You can store up to 8 channel.

- 7 Press the **MENU** button to move to the previous menu screen.
- 



- 3
- 4
- 5

# PICTURE CONTROL

## PICTURE SIZE (ASPECT RATIO) CONTROL

You can watch the screen in various picture formats; **16:9**, **4:3**, **Zoom1**, **Zoom2** and **Just Scan**.

If a fixed image is displayed on the screen for a long time, that fixed image may become imprinted on the screen and remain visible.

You can adjust the enlarge proportion using ▲ / ▼ button.

This function works in the following signal.

① You can adjust **Aspect Ratio** in the **Picture menu**.

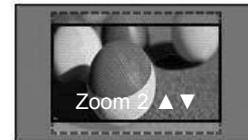
### • 16:9

The following selection will allow you to adjust the picture horizontally, in linear proportion, to fill the entire screen (useful for viewing 4:3 formatted DVDs).



### • Zoom 2

Choose Zoom 2 when you wish the picture to be altered, both horizontally extended and vertically cropped. The picture adopting a compromise between alteration and screen coverage.



### • 4:3

The following selection will allow you to view a picture with an original 4:3 aspect ratio, black bars will appear on both the left and right of the screen.



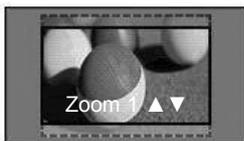
### • Just Scan

Following Selection will lead to you view the picture of best quality without loss of original picture in high resolution image.



### • Zoom 1

The following selection will allow you to view the picture without any alteration, while filling the entire screen. However, the top and bottom of the picture will be cropped.



### ! NOTE

- ▶ You can only select 4:3, 16:9 (Wide) in Component, HDMI mode.
- ▶ In HDMI/Component (over 720p) mode, Just Scan is available.

# PRESET PICTURE SETTINGS

## Picture Mode-Preset

Choose from Standard, Cinema or sRGB (only RGB PC).

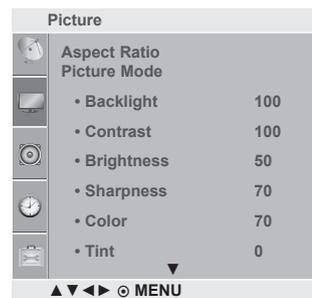
Each input (TV,AV, Component, etc) remembers the custom setting you created.

- 1 Press the **MENU** button and then ▲ / ▼ button to select the **Picture** menu.

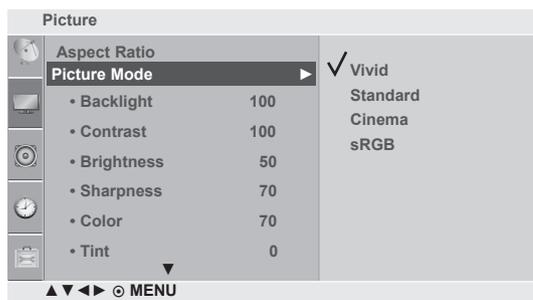
- 2 Press the ► button and then ▲ / ▼ button to select **Picture** mode.

- 3 Press the ► button and then ▲ / ▼ button to select **Vivid**, **Standard**, **Cinema** or **sRGB**.

- 4 Press the **MENU** button to move to the previous menu screen.



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### ! NOTE

- In RGB PC mode, sRGB is available.

# PICTURE CONTROL

## MANUAL PICTURE ADJUSTMENT

### Picture Mode-User Option

**Backlight** Adjust brightness by controlling Lamp brightness of LCD.

**Contrast** Adjust white levels in picture.

**Brightness** Adjust black level in the picture.

**Sharpness** Adjust the sharpness of the edges of elements in the picture.

**Color** Adjust the amount of color in the picture.

**Tint** Adjust the hue of the picture.

- 1 Press the **MENU** button and then **▲ / ▼** button to select the **Picture** menu.

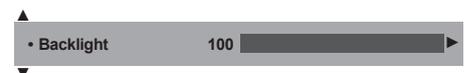
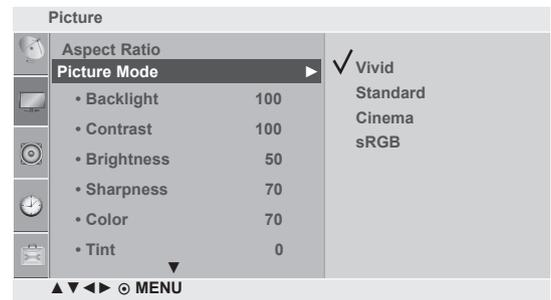
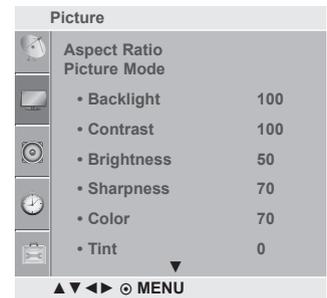
- 2 Press the **▶** button and then **▲ / ▼** button to select **Picture** mode.

- 3 Press the **▶** button and then **▲ / ▼** button to select **Vivid, Standard, Cinema** or **sRGB**.

- 4 Press the **ENTER** button and then **▲ / ▼** button to select the desired picture option (**Backlight, Contrast, Brightness, Sharpness, Color** and **Tint**).

- 5 Press the **◀ / ▶** button to make appropriate adjustments.

- 6 Press the **MENU** button to move to the previous menu screen.



### ! NOTE

- If you change any value from default setting of sub menu in Picture mode, the words as '(User)' at right side of the picture mode selected is shown. It means the value of Picture mode is set by user.

# PICTURE IMPROVEMENT TECHNOLOGY

You can calibrate the screen for each Picture Mode or set the video value according to the special video screen.

You can set the video value differently for each input.

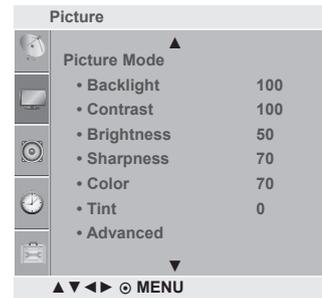
To reset to the factory default screen after making adjustments to each video mode, execute the "Picture Reset" function for each Picture Mode.

1 Press the **MENU** button and then **▲ / ▼** button to select the **Picture** menu.

2 Press the **▶** button and then **▲ / ▼** button to select **Advanced**.

3 Press the **▶** button and then **▲ / ▼** button to select **Dynamic Contrast, Dynamic Color, Noise Reduction, Black Level, Film Mode or Color Temperature**.

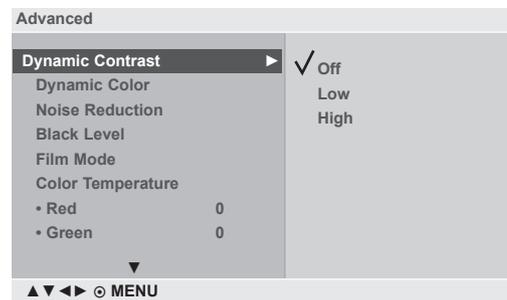
4 Press the **MENU** button to move to the previous menu screen.



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## NOTE

- At 1080i / p **Dynamic Contrast, Dynamic Color, Noise Reduction** is not enable.

# PICTURE CONTROL

## Dynamic Contrast / Dynamic Color / Noise Reduction

- This feature is not working in “RGB PC” input or 1080p/i resolution.

<b>Black Level</b>	<ul style="list-style-type: none"><li>■ This feature is not working in “RGB PC” input.</li></ul>
<b>Film Mode</b>	<ul style="list-style-type: none"><li>■ This feature operates only 480i/576i mode on “AV”, “TV” and “Component” input.</li></ul>
<b>Color Temperature</b>	<ul style="list-style-type: none"><li>■ Choose one of three automatic color adjustments. Set to warm to enhance hotter colors such as red, or set to cool to see less intense colors with more blue.</li><li>■ It is enable to be controlled red, green, blue to adjust color details.</li></ul>

# PICTURE RESET

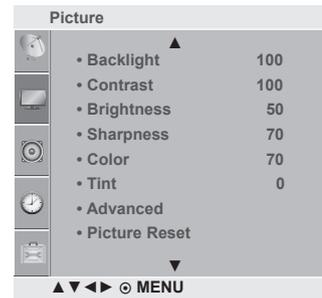
Settings of the selected picture modes return to the default factory settings.

- 1 Press the **MENU** button and then ▲/▼ button to select the **Picture** menu.

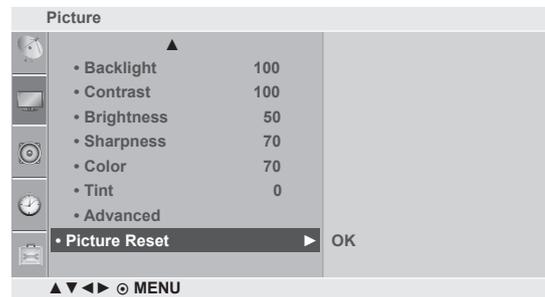
- 2 Press the ► button and then ▲/▼ button to select **Picture Reset**.

- 3 Press the ► button to initialize the adjusted value.

- 4 Press the **MENU** button to move to the previous menu screen.



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## ! NOTE

- If there is the words '(User)' at right side of the picture mode, when you execute "Picture reset", the words '(User)' is disappear at right side of the picture mode.

# PICTURE CONTROL

## SCREEN SETUP

### AUTO CONFIGURE (RGB [PC] mode only)

Sets to adjust the screen position, clock, and phase automatically. The displayed image may be unstable for a few seconds while the configuration is in progress.

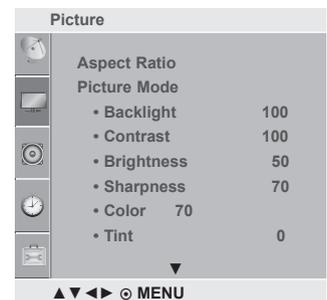
1 Press the **MENU** button and then use ▲/▼ button to select the **Picture** menu.

2 Press the ► button and then use ▲/▼ button to select **Screen**.

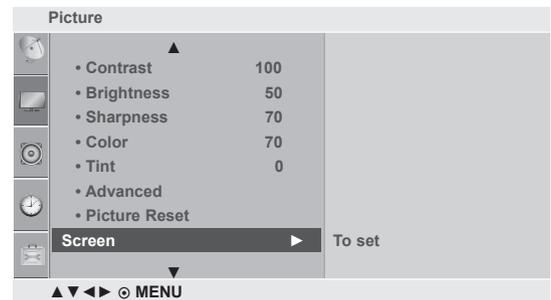
3 Press the ► button and then use ▲/▼ button to select **Auto Config**.

4 Press the **ENTER(⊙)** button.

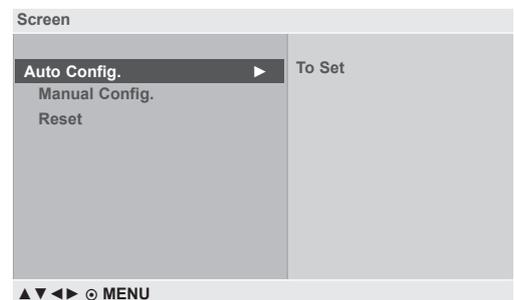
5 Press the **MENU** button to move to the previous menu screen.



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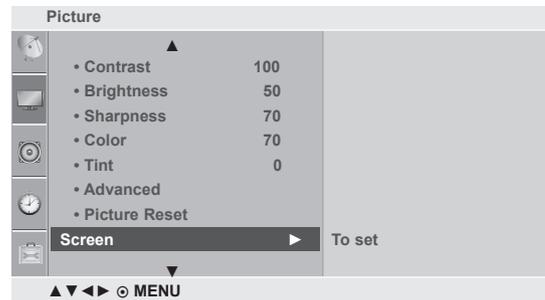
## MANUAL CONFIGURE(Adjustment for screen Position)

Sets to adjust the screen position, clock, and phase manually.

- 1 Press the **MENU** button and then use ▲/▼ button to select the **Picture** menu.

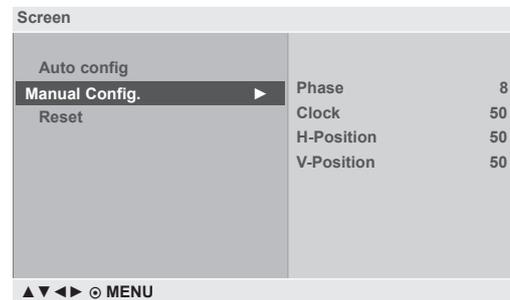


- 2 Press the ► button and then use ▲/▼ button to select **Screen**.



- 3 Press the ► button and then use ▲/▼ button to select **Manual Config.**

- 4 Press the ► button and then use ▲/▼ button to select **Phase, Clock, H-Position** or **V-Position**.  
(When the H-Position and V-Position be changed, Value may differ from the aspect ratio.)



- 5 Press the ◀ / ▶ button to make appropriate adjustments.

- 6 Press the **MENU** button to move to the previous menu screen.

### ! NOTE

- The aspect ratio make H-Position and V-Position Value different.

# PICTURE CONTROL

## RESET (Recover to factory setting)

Restores the options to the default setting.

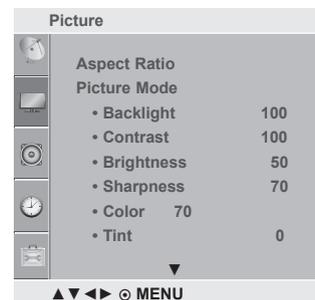
1 Press the **MENU** button and then use ▲/▼ button to select the **Picture** menu.

2 Press the ► button and then use ▲/▼ button to select **Screen**.

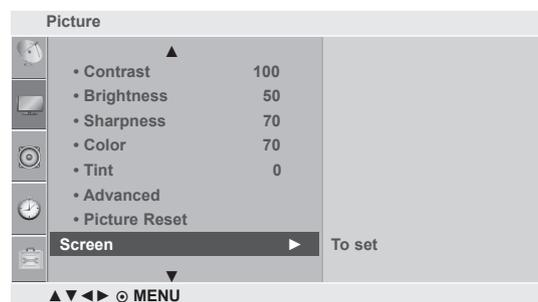
3 Press the ► button and then use ▲/▼ button to select **Reset**.

4 Press the ► button.

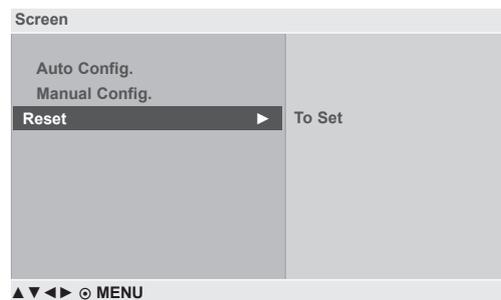
5 Press the **MENU** button to move to the previous menu screen.



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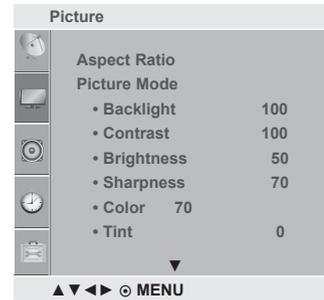
### ! NOTE

- The screen will be unstable for a few seconds while the “Reset” is in progress.

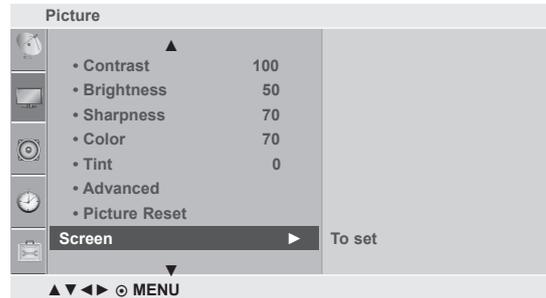
## SELECTING RESOLUTION

This feature matches the resolution of PC between PC and TV manually for optimizing picture in “RGB PC” input. This feature operate in that the vertical size of picture is 768 or 1050.

- 1 Press the **MENU** button and then use ▲/▼ button to select the **Picture** menu.



- 2 Press the ► button and then use ▲/▼ button to select **Screen**.



- 3 Press the ► button and then use ▲/▼ button to select **Resolution**.

- 4 Press the **MENU** button to move to the previous menu screen.

### <Vertical resolution : 768>



### <Vertical resolution : 1050>



# SOUND CONTROL

## PRESET SOUND SETTINGS - SOUND MODE

Choose from Standard, Music or Cinema.

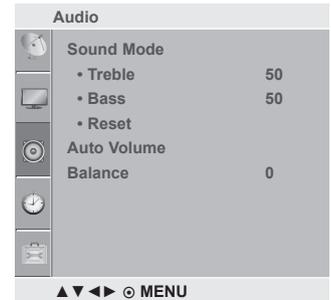
Each input (TV,AV, Component, etc) remembers the custom setting you created.

- 
- 1 Press the **MENU** button and then ▲/▼ button to select the **Audio** menu.
- .....

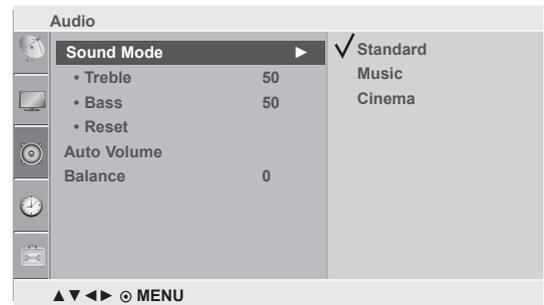
- 2 Press the ► button and then ▲/▼ button to select **Sound Mode**.
- .....

- 3 Press the ► button and then ▲/▼ button to select **Standard, Music or Cinema**.
- .....

- 4 Press the **MENU** button to move to the previous menu screen.
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# SOUND SETTING ADJUSTMENT - USER MODE

**Treble** Control sound level of high frequency like enhance or reducing.

**Bass** Control of low frequency like enhance or reducing.

**Reset** Return Treble and Bass settings to factory default.

1 Press the **MENU** button and then ▲/▼ button to select the **Audio** menu.

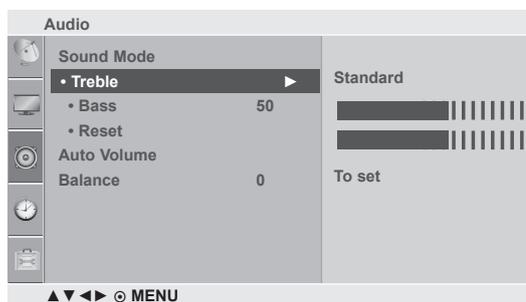
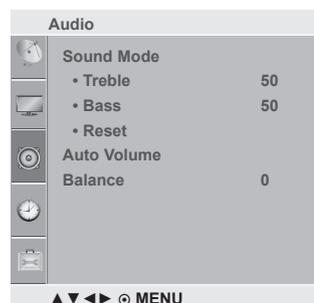
2 Press the ► button and then ▲/▼ button to select **Sound** mode.

3 Press the ► button and then ▲/▼ button to select **Standard, Music or Cinema**.

4 Press the **ENTER**(⊙) button and then ▲/▼ button to select **Treble** or **Bass**.

5 Press the ◀/▶ button to make appropriate adjustments.

6 Press the **MENU** button to move to the previous menu screen.



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## NOTE

- If you change any value from default setting of sub menu in Sound mode, the words as '(User)' at right side of the sound mode selected is shown. It means the value of sound mode is set by user.
- You cannot adjust Treble and Bass in the RGB-PC / HDMI-PC mode.

# SOUND CONTROL

## AUTO VOLUME

Activates the Auto Volume feature to keep the volume level consistent whenever you change channels. The volume level may not be consistent due to different signal conditions of broadcasting stations.

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1 Press the **MENU** button and then ▲/▼ button to select the **Audio** menu.

.....

2 Press the ► button and then ▲/▼ button to select **Auto Volume**.

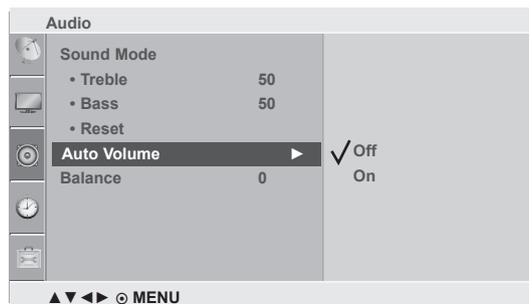
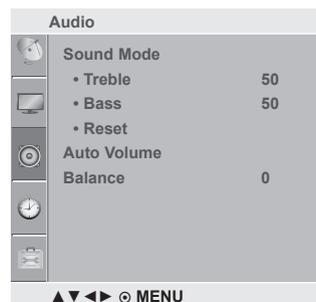
.....

3 Press the ► button and then ▲/▼ button to select **On or Off**.

.....

4 Press the **MENU** button to move to the previous menu screen.

---



# BALANCE

You can adjust the sound balance of the speakers to the preferred levels.

---

1 Press the **MENU** button and then ▲/▼ button to select the **Audio** menu.

.....

2 Press the ► button and then ▲/▼ button to select **Balance**.

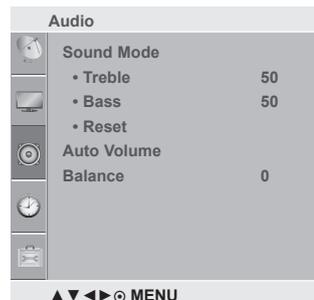
.....

3 Press the ► button and then ◀/▶ button to make desired adjustment.

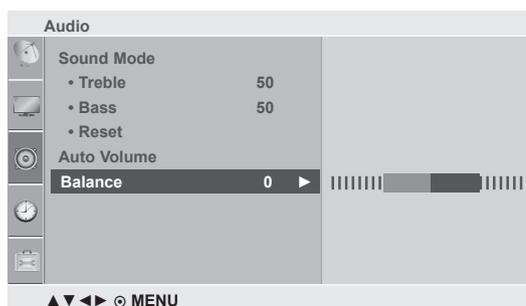
.....

4 Press the **MENU** button to move to the previous menu screen.

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# SOUND CONTROL

## AUDIO RESET

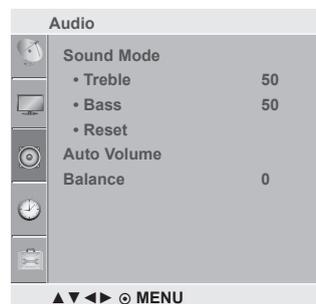
Settings of the selected Sound Mode return to the default factory settings.

1 Press the **MENU** button and then ▲/▼ button to select the **Audio** menu.

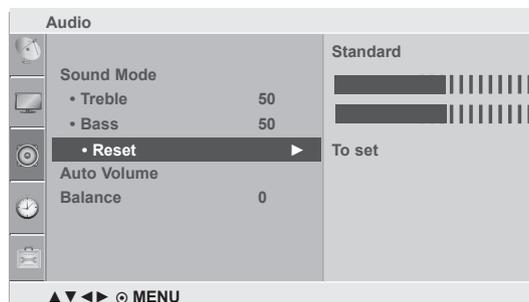
2 Press the ► button and then ▲/▼ button to select **Reset**.

3 Press the ► or **ENTER**(⊙) button.

4 Press the **MENU** button to move to the previous menu screen.



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### ! NOTE

- If there is the words '(User)' at right side of the sound mode, when you execute "Sound reset", the words '(User)' is disappear at right side of the picture mode.

# TIME SETTING

## CLOCK SETUP

You must set the time correctly before using on/off time function.

If current time setting is erased by a power failure or the set is unplugged, reset the clock.

- 
- 1 Press the **MENU** button and then ▲/▼ button to select the **Time** menu.

- 2 Press the ► button and then ▲/▼ button to select **Clock**.

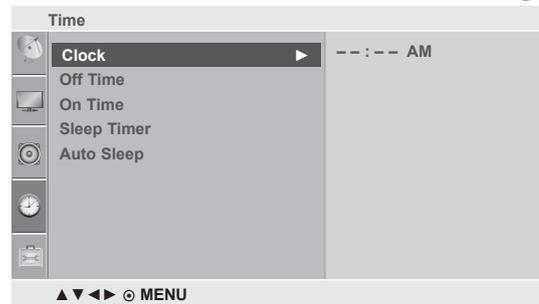
- 3 Press the ► button and then ▲/▼ button to set the hour.

- 4 Press the ► button and then ▲/▼ button to set the minute.

- 5 Press the **MENU** button to move to the previous menu screen.
- 



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# TIME SETTING

## AUTO ON/OFF TIMER SETTING

**Off time** Make the TV to be standby automatically at the setting time.

**On time** Turn on the TV from standby automatically at the setting time, and then if User push any button during 2hour, TV would be turn off automatically.

\*If “On time” and “Off time” is set same time, “Off time” is operated.

\*\*“On time” is enable to operate only when TV is in standby mode.

1 Press the **MENU** button and then ▲ / ▼ button to select the **Time** menu.

2 Press the ► button and then ▲ / ▼ button to select **On/Off Time**.

- To cancel **On / Off Time** function, select **Off**.

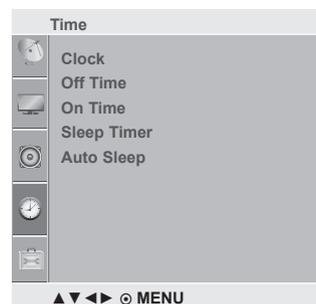
3 Press the ► button and then ▲ / ▼ button to set the hour.

4 Press the ► button and then ▲ / ▼ button to set the minutes.

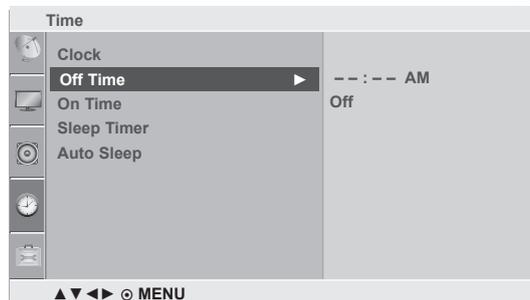
5 **\*For On Time function only**

- **Ch** : Press the ► button and then ▲ / ▼ button to select the channel
- **Vol** : Press the ► button and then ▲ / ▼ button to adjust volume level at switch-on.

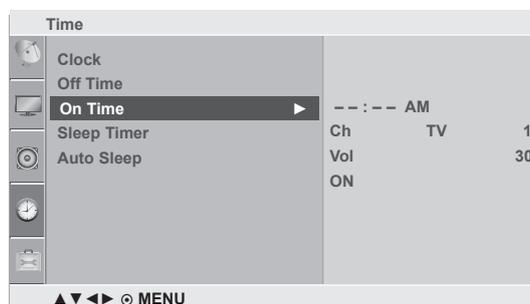
6 Press the **MENU** button to move to the previous menu screen.



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# SLEEP TIMER SETTING

“Sleep timer” can be set to turn off after an incremental period of time.

---

1 Press the **MENU** button and then ▲ / ▼ button to select the **Time** menu.

.....

2 Press the ► button and then ▲ / ▼ button to select **Sleep Timer**.

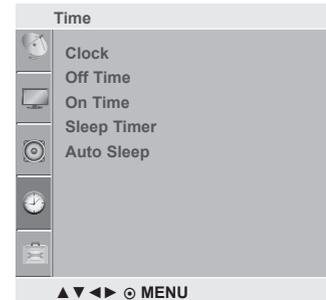
.....

3 Press the ► button and then ▲ / ▼ button to set the minute (**Off, 10, 20, 30, 60, 90, 120, 180, 240**).

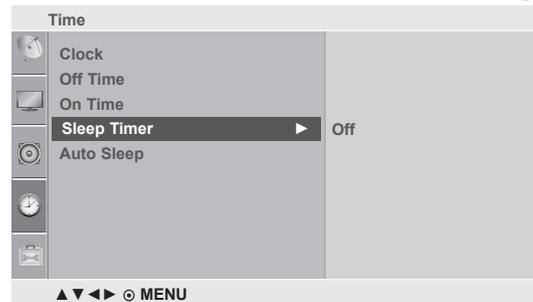
.....

4 Press the **MENU** button to move to the previous menu screen.

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# TIME SETTING

## AUTO SLEEP

If there is no signal input from the input terminal and no operation for 15 minutes, the set will turn off automatically.

- 1 Press the **MENU** button and then ▲ / ▼ button to select the **Time** menu.
- 2 Press the ► button and then ▲ / ▼ button to select **Auto Sleep**.
- 3 Press the ► button and then ▲ / ▼ button to select **On** or **Off**.



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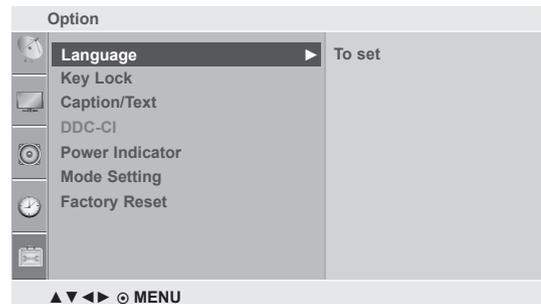
# OPTION SETTING

## ON-SCREEN MENU LANGUAGE SELECTION

- 
- 1 Press the **MENU** button and then use ▲ / ▼ button to select the **Option** menu.  
.....
  - 2 Press the ► button and then use ▲ / ▼ button to select **Language**.  
.....
  - 3 Press the ► button and then use ◀ / ▶ button to select your desired language.  
.....
  - 4 Press the **ENTER** (⊙) button.  
.....
  - 5 Press the **MENU** button to move to the previous menu screen.
- 



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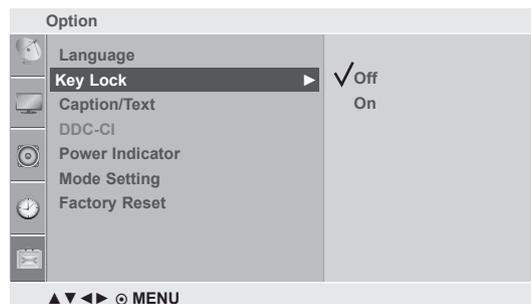
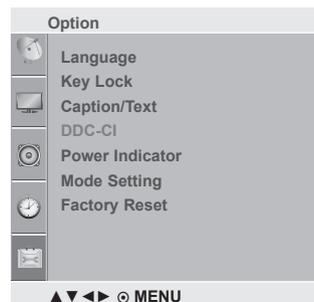
2

# OPTION SETTING

## KEY LOCK

“Key Lock” make the local key on TV incapable for limiting User.

- 1 Press the **MENU** button and then ▲ / ▼ button to select the **Option** menu.
- 2 Press the ► button and then ▲ / ▼ button to select **Key Lock**.
- 3 Press the ► button and then ▲ / ▼ button to select **On** or **Off**.
- 4 Press the **MENU** button to move to the previous menu screen.



### ! NOTE

- ▶ When “Key Lock” is On, if the TV is turned off, press the “” button on the TV or “POWER” buttons on the remote control.
- ▶ When “Key Lock” is On, if any button on the TV is pressed, “Key lock on” OSD is displayed.

# CAPTION/TEXT

Text services give a wide variety of information on all kind of subjects (ex. captioned program lists, weather forecasts, stock exchange topics, news for hearing-impaired....) on up to half of the screen. But not all stations offer text services, even though they might offer captioning. In the event you are receiving a poor signal, an empty black box may appear and disappear, even when the text mode is selected. This is a normal when receiving a poor signal. This set is programed to remember the Caption/Text mode it was last set to, when you turn the power off.

---

1 Press the **MENU** button and then ▲ / ▼ button to select the **Option** menu.

.....

2 Press the ► button and then ▲ / ▼ button to select **Caption / Text**.

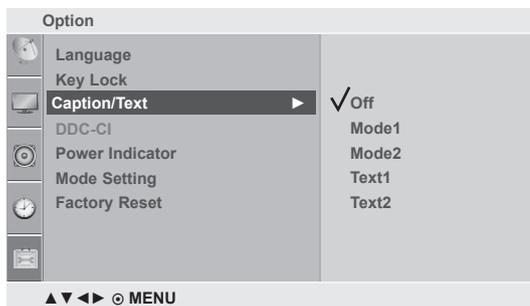
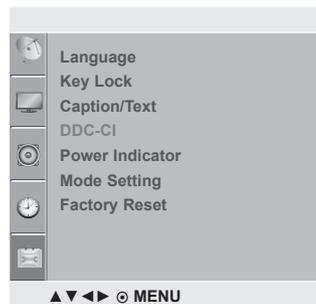
.....

3 Press the ► button and then ▲ / ▼ button to select **Off** or **Mode1,2** or **Text1,2**.

.....

4 Press the **MENU** button to move to the previous menu screen.

---



# OPTION SETTING

## DDC-CI(Only RGB)

DDC-CI (Display Data Channel Command Interface) is a communication protocol for communications between PC and set.

DDC-CI makes it possible to adjust and setup detailed functions on PC instead of the set OSD.

---

1 Press the **MENU** button and then ▲ / ▼ button to select the **Option** menu.

.....

2 Press the ► button and then ▲ / ▼ button to select **DDC-CI**.

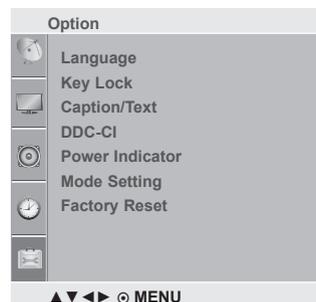
.....

3 Press the ► button and then ▲ / ▼ button to select **On** or **Off**.

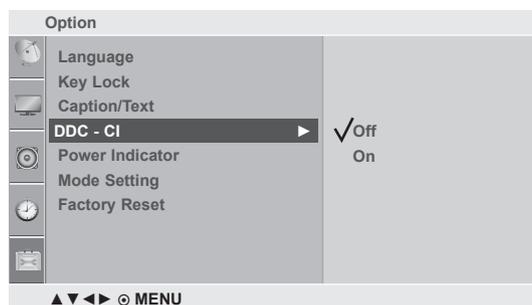
.....

4 Press the **MENU** button to move to the previous menu screen.

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# POWER INDICATOR

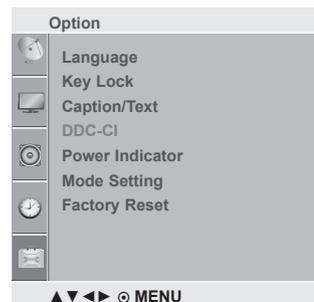
It is function to control of LED(turn on/off).

- 
- 1 Press the **MENU** button and then ▲/▼ button to select the **Option** menu.
- .....

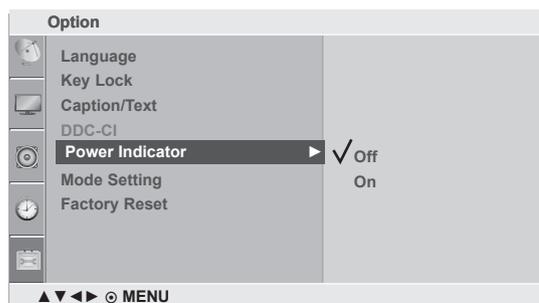
- 2 Press the ► button and then ▲/▼ button to select **Power Indicator**.
- .....

- 3 Press the ► button and then ▲/▼ button to select **On** or **Off** .
- .....

- 4 Press the **MENU** button to move to the previous menu screen.
- 



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# OPTION SETTING

## MODE SETTING

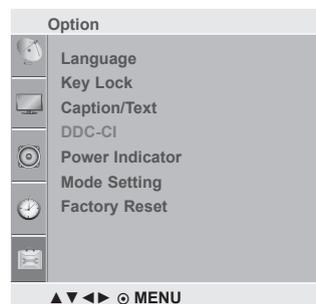
We recommend setting the set to “Home Use” mode for the best picture in your home environment. “Store Demo” mode is an optimal setting for displaying at stores.

- 1 Press the **MENU** button and then ▲ / ▼ button to select the **Option** menu.

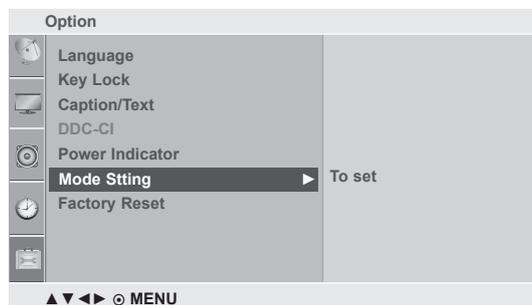
- 2 Press the ► button and then ▲ / ▼ button to select **Mode Setting**.

- 3 Press the ► button and then ◀ / ▶ button to select **Store Demo** or **Home Use**.

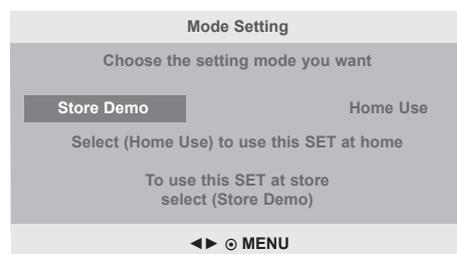
- 4 Press the **MENU** button to move to the previous menu screen.



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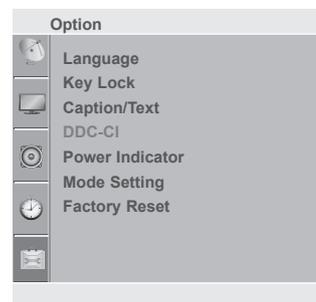
# FACTORY RESET

Use to quickly reset all the menu options to their original factory preset values.

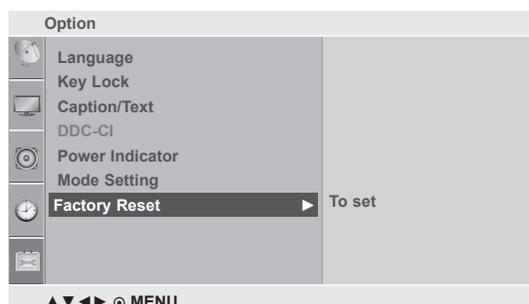
This function deletes all set programs.

When the **Factory Reset** is completed, you must restart the installation guide.

- 
- 1 Press the **MENU** button and then ▲ / ▼ button to select the **Option** menu.



- 2 Press the ► button and then ▲ / ▼ button to select **Factory Reset**.



- 3 Press the ► button and then ◀ / ▶ button to select **Yes or No**.



- 4 Press the **MENU** button to move to the previous menu screen.
-

# APPENDIX

## TROUBLE SHOOTING

### The SET does not operate properly

<b>The remote control does not work</b>	<ul style="list-style-type: none"><li>■ Check to see if there is any object between the SET and the remote control causing an obstruction.</li><li>■ Are batteries installed with correct polarity (+ to +, - to -)?</li><li>■ Install new batteries.</li></ul>
<b>Power is suddenly turned Off</b>	<ul style="list-style-type: none"><li>■ Is the sleep timer set?</li><li>■ Check the power control settings. Has the Power supply been interrupted.</li><li>■ The SET goes into Standby mode automatically if no signal is received and no operation is performed for 15 minutes.</li></ul>

### The Video function is not working

<b>No picture &amp; No sound</b>	<ul style="list-style-type: none"><li>■ Check whether the SET is switched on.</li><li>■ Try another channel. The problem may be with the broadcast.</li><li>■ Is the power cord inserted correctly into the mains?</li><li>■ Check your antenna direction and/or location.</li><li>■ Test the mains outlet by plugging another SET into the same outlet.</li></ul>
<b>Picture appears slowly after switching on</b>	<ul style="list-style-type: none"><li>■ This is normal, the image is muted during the SET startup process. Please contact your service center, if the picture has not appeared after five minutes.</li></ul>
<b>No or poor Color or poor picture</b>	<ul style="list-style-type: none"><li>■ Adjust color in menu option.</li><li>■ Allow a sufficient distance between the SET and the VCR.</li><li>■ Try another channel. The problem may be with the broadcast.</li><li>■ Are the video cables installed properly?</li><li>■ Activate any function to restore the brightness of the picture.</li></ul>
<b>Horizontal/vertical bars or picture shaking</b>	<ul style="list-style-type: none"><li>■ Check for local interference such as an electrical appliance or power tool.</li></ul>
<b>Poor reception on some channels</b>	<ul style="list-style-type: none"><li>■ Station or cable channel experiencing problems, tune to another station.</li><li>■ Station signal is weak, reposition the antenna to receive weaker stations.</li><li>■ Check for sources of possible interference.</li></ul>
<b>Lines or streaks in pictures</b>	<ul style="list-style-type: none"><li>■ Check antenna (Change the position of the antenna).</li></ul>

# TROUBLE SHOOTING

## The Audio function is not working

<p><b>Picture OK &amp; No sound</b></p>	<ul style="list-style-type: none"> <li>■ Press the VOL ◀ or ▶ button.</li> <li>■ Sound muted? Press MUTE button.</li> <li>■ Try another channel. The problem may be with the broadcast.</li> <li>■ Are the audio cables installed properly?</li> </ul>
<p><b>No output from one of the speakers</b></p>	<ul style="list-style-type: none"> <li>■ Adjust Balance in menu option.</li> </ul>
<p><b>Unusual sound from inside the SET</b></p>	<ul style="list-style-type: none"> <li>■ A change in ambient humidity or temperature may result in an unusual noise when the SET is switched on or off and does not indicate a fault with the SET.</li> </ul>
<p><b>No sound when connecting HDMI</b></p>	<ul style="list-style-type: none"> <li>■ Check whether volume is "0".</li> <li>■ Check sound muted.</li> <li>■ HDMI cable installed properly.</li> <li>■ Head phone cable installed properly.</li> <li>■ Check sound format. Not supply to bitstream and compressed sound format.</li> </ul>

## NO image appear.

<p><b>Do you see an "OUT OF RANGE" message on the screen?</b></p>	<ul style="list-style-type: none"> <li>■ This message appears when the signal from the PC(video card) is out off horizontal or vertical frequency range of the display. See the ' Product Specifications' section of this manual and configure you display again.</li> </ul>
---	--

# APPENDIX

## MAINTENANCE

Early malfunctions can be prevented. Careful and regular cleaning can prolong the life of your new set.

**Caution** : Be sure to switch the power off and unplug the power cord before you begin any cleaning.

### Cleaning the Screen

- 1 A good way to keep the dust off your screen for a while is to wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.
- 2 Ensure there is no excess water on the screen. Allow any water or dampness to evaporate before switching on.

### Cleaning the Cabinet

- To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
- Do not to use a wet cloth.

### Extended Absence

#### CAUTION

- ▶ If you expect to leave your set dormant for prolonged periods (such as a holiday), unplug the power cord to protect against possible damage from lightning or power surges.

# PRODUCT SPECIFICATIONS

## <M2280A / M2280AF>

LCD Panel	Screen Type	546.86 mm Wide (21.53 inch) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 546.86 mm	
	Pixel Pitch	0.248 mm (H) x 0.248 mm (V)	
Video Signal	Max. Resolution	1920 x 1080 @ 60 Hz	
	Recommended Resolution	1920 x 1080 @ 60 Hz	
	Horizontal Frequency	30 kHz to 69 kHz	
	Vertical Frequency	56 Hz to 61 Hz	
	Synchronization Type	Separate Sync	
Input Connector		CVBS, TV, D-Sub Analog, HDMI, PC Audio In, component	
Power	Rated Voltage	19 V  2.2 A	
	Power Consumption	On Mode : 30W (Typ.) Sleep Mode: 1 W (RGB) Off Mode: 0.5 W	
AC/DC Adapter		Manufacturer: LITE-ON, Model PA-1650-68	
Tilt	Tilt Range	-5° to 10°	
Dimensions (Width x Height x Depth) Weight	M2280A		
	509.6 mm x 396.2 mm x 193.8 mm (20.06 inch x 15.59 inch x 7.62 inch)		
	3.6 kg (7.93 lb)		
	M2280AF		
Environmental conditions	Operating Temperature	10 °C to 35 °C	
	Operating Humidity	20 % to 80 %	
	Storage Temperature	-10 °C to 60 °C	
	Storage Humidity	5 % to 90 %	

■ The specifications shown above may be changed without prior notice for quality improvement.

# APPENDIX

## PRODUCT SPECIFICATIONS

<M2380A / M2380AF>

LCD Panel	Screen Type	584.2 mm Wide (23 inch) TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Panel Visible diagonal size: 584.2 mm
	Pixel Pitch	0.265 mm (H) x 0.265 mm (V)
Video Signal	Max. Resolution	1920 x 1080 @ 60 Hz
	Recommended Resolution	1920 x 1080 @ 60 Hz
	Horizontal Frequency	30 kHz to 69 kHz
	Vertical Frequency	56 Hz to 61 Hz
	Synchronization Type	Separate Sync
Input Connector		CVBS, TV, D-Sub Analog, HDMI, PC Audio In, component
Power	Rated Voltage	19 V  2.4 A
	Power Consumption	On Mode : 33W (Typ.) Sleep Mode: 1 W (RGB) Off Mode: 0.5 W
AC/DC Adapter		Manufacturer: LITE-ON, Model PA-1650-68
Tilt	Tilt Range	-5° to 10°
Dimensions (Width x Height x Depth) Weight	M2380A	
	547 mm x 415.7 mm x 193.8 mm (21.53 inch x 16.36 inch x 7.62 inch)	
	4.1 kg (9.03 lb)	
	M2380AF	
Environmental conditions	547 mm x 427.9 mm x 193.9 mm (21.53 inch x 16.84 inch x 7.63 inch)	
	4.3 kg (9.47 lb)	
	Operating Temperature	10 °C to 35 °C
	Operating Humidity	20 % to 80 %
	Storage Temperature	-10 °C to 60 °C
	Storage Humidity	5 % to 90 %

- The specifications shown above may be changed without prior notice for quality improvement.





Make sure to read the Safety Precautions before using the product.  
Keep the Owner's Manual (CD) in an accessible place for future reference.  
The model and serial number of the SET is located on the back and one side of the SET.  
Record it below should you ever need service.

MODEL \_\_\_\_\_

SERIAL \_\_\_\_\_