

## FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### INFORMATION TO THE USER

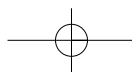
This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are intended to provide reasonable protection against harmful interference in a residential installation.

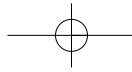
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment a receiver.
- Connect the equipment to an outlet in a circuit different from that to which the receiver is connected.
- consult the dealer or an experienced radio / TV technician for help.

### WARNING

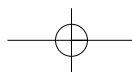
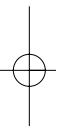
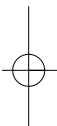
Changes or modifications not expressly approved by the manufacturer may void the user's authorization to operate the equipment.

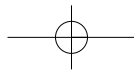




# Before Use

- This user manual contains proprietary information that is protected by copyright. All rights are reserved. No part of this user manual may be reproduced, photocopied, transcribed, translated or transmitted in whatsoever form without the prior permission of the manufacturer.
- The size and appearance of this LCD display may be changed without notice for the purpose of improvement.
- Damage caused by using unauthorised components, and non-compliance with the information and cautions in this user manual, is not covered by the warranty.
- If you have a problem with your LCD display, please check the Troubleshooting section in this user manual before request help from a service centre.
- The information in this user manual is subject to change without notice.
- If static images are displayed on the LCD for a prolonged period, the LCD display may show screen image retention. This is not a permanent condition and the image will fade in time. Image retention is a condition that may occur with all LCD displays.
- The LCD consists of about 5 million pixels. One pixel incorporates 3 dots, and some of the dots may be perceived as brighter or darker compared to others. Please note that this may occur on all LCD displays and is not a product defect.





# Accessories

After opening the box, make sure the following items are provided with the monitor. If you find that any of these items are missing or appear damaged, contact your dealer immediately.



LCD display



User's Manual



Power Cable



D/C Power Supply Unit



Remote Control  
/Batteries(1.5V AAA type)

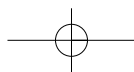


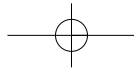
75Ω Antenna-extensible  
Coaxial Cable

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※ Shapes and colours of parts are subject to change without prior notice, but their functions remain unchanged.

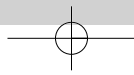
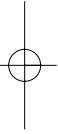
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# *Chapter 1*

## *Overview & Installation*



# Specifications

		AV201
<b>Panel</b>	Panel Type	20.1" (51cm) TFT Color LCD
	Display Area	408.0mm × 306.0mm
	Display Color	16.7million
	Pixel Pitch	0.6375mm × 0.6375mm
	Recommended Resolution	1280 x 768
	Contrast Ratio	350:1(Typical)
	Brightness	450 cd/m <sup>2</sup>
	Viewing Angle	H: 140° V: 120°
	Scanning frequency	H: 31~69kHz V: 56~85Hz
	Resolution	640X480(VGA)
<b>In/Out</b>	PC	Analog RGB 15 pin D-Sub
		PC Audio Input
	Video	Composite Input
		S-Video Input
		DVD(Y, Pb, Pr) Input
	Audio	Composite Input
		DVD Input
Head-phone Out		
Speaker Output		
<b>TV Signal</b>	Euro A/V	SCART
	Antenna	75 ohm Coaxial cable
	Color System	PAL/SECAM
		NTSC
	Sound System	B/G, D/K, I, L/L, M
	Stereo Type	NICAM, A2 MTS
	Text	TELETEXT
V-Chip	NO	
<b>Other</b>	Certifications	UL, FCC, CE
	Power Consumption	50 watts
	Power Save Mode	3 watts
	Speaker	5 watts × 2
	Plug & Play	DDC 1/2 B
	Screen Control	OSD (On Screen Display Menu)
	Weight	
	Power Supply	DC 15 Volts
	Remote control	Yes
	Dimensions	559.5mm(w) × 422.5mm(H) × 146.5mm(D)

# LCD Display Overview

## Front View



### Built-in Speaker

The built-in speaker allows you to enjoy sounds without external speakers.

### Power Indication Lamp/Remote Controller Receiver

If the AC adaptor is connected, the red lamp is on, and if the TV power is turned on, the green lamp is on. There is also a function to receive radio waves emitted from the remote controller.

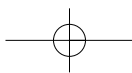
**Power Button**  
Turns power On/Off from standby mode. (Turns On/Off the LCD display)

**▲/▼ Buttons**  
Press ▲ or ▼ to change channels. Also used to select OSD (On Screen Display) menu. (PC : Auto position)

**+/- Buttons**  
Press the +(increase) or -(decrease) the volume. Also used to increase or reduce the value of a OSD menu.

**MENU Button**  
Display the main OSD menu. Exit from sub-menu.

**T/V Button**  
Select Input Sources (TV, Video, S-Video, DVD and PC).



## Rear View

### Head Phone

Connect with a headphone.

### ANT

Connect with an external cable from the external antenna (VHF/UHF antenna, cable TV antenna, and satellite antenna).



### SCART(Optional)

Connect PAL-method TV Audio/Video.

### AV-IN

- S-VIDEO : Connect to the S-Video input terminal from VCR (or DVD Player).
- COMPOSITE : Connect with composite video input terminal from VCR (or DVD Player).
- Audio L/R : Connect with the Audio-Left/Right cable from VCR (or DVD Player).

### COMPONENT

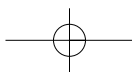
- Y, Pb, Pr : Connects to the Video Input Terminal from VCR (or DVD Player).
- Audio L/R : Connects to the Audio-Left/Right cable from VCR (or DVD Player).

### POWER IN

Connect the DC power adapter.

### PC-IN

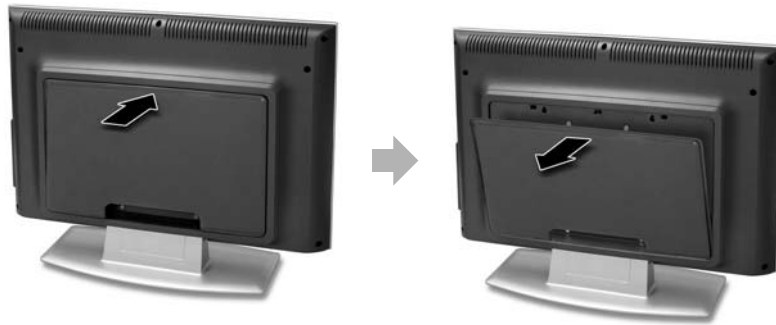
- Audio IN : Connect PC Sound Output.
- ANALOG RGB : Connect analog RGB Signal from PC.





## Note

- ▶ To connect the LCD display to external device, remove the rear cover by pushing slightly as following.

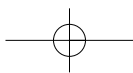


## ▶ Tilting

The LCD display has tilt angle of about 0 ~ 30 relative to vertical axis.







# Remote control

## Inserting the batteries in the Remote control

You must insert or replace the batteries in the remote control.

- 1** Open the cover.
- 2** Insert dry cells with the correct polarity (+, -).
- 3** Close the cover.

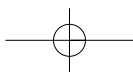


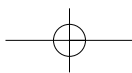
### Note

- ▶ Do not insert the batteries with the wrong polarity.
- ▶ Do not put spent batteries in a fire.
- ▶ Do not leave completely-used batteries in the remote control. Leaving them in place for a long time may cause corrosion of the electrodes in the remote control.
- ▶ Replace the batteries with new ones if the remote control does not work properly.

## Information on the Use of the Remote control

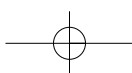
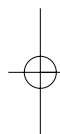
- When using the remote control, point it towards the remote control receiving part of the LCD Display.
- The operating distance should be within 7m.
- The receiving angle should be within 30 degrees.

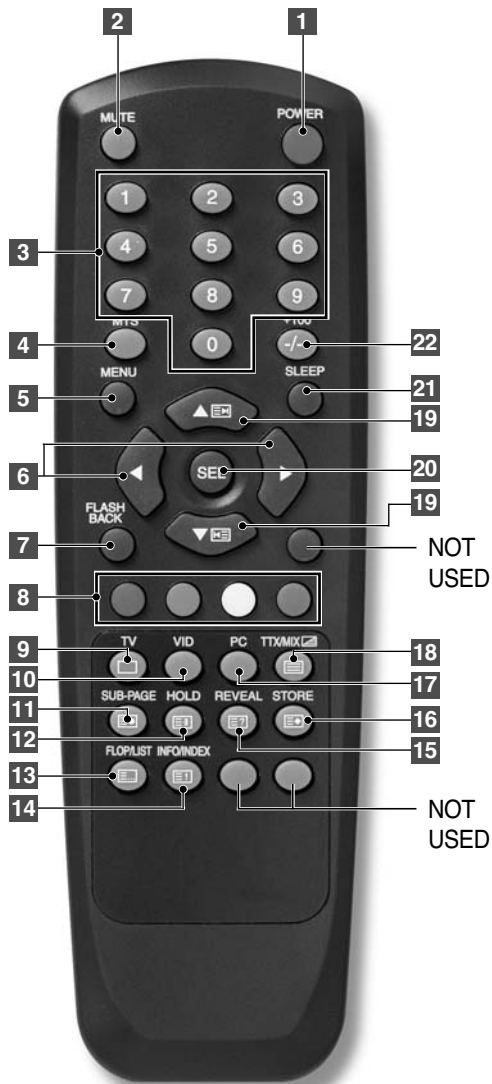






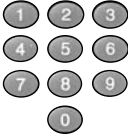



## Note

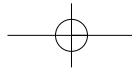
- ▶ Do not subject the remote control to shock. It may get damaged.
- ▶ Be careful not to let water get into the remote control. It may cause damage
- ▶ Do not dismantle the remote control.
- ▶ Do not expose the remote control to direct sunlight or other strong light.  
The remote control may not work properly.
- ▶ Do not keep in cold or humid places. It may cause defects.





## Remote control Button Functions

- 1**  **POWER**  
Turns the display On or Off.
- 2**  **MUTE**  
Press to temporarily cut off the sound.
- 3**  **NUMBER**  
Direct channel select.  
Direct page selection during Teletext display.
- 4**  **MTS**  
Press to choose stereo, dual or mono.
- 5**  **MENU**  
Display OSD Menu.
- 6**  **VOL ◀▶**  
Increases or decreases the volume. Also used to select the OSD main menu, to select the sub-menu or to change the values in sub-menus.



**7** **FLASHBACK**

Moves to the previous TV Channel.  
It is a Quick Search function.

**11** **SUB-PAGE(option)**

Displays a secondary page.

**8** **Teletext**

- RED : Converts to the Page linked to the RED Key.
- GREEN : Converts to the Page linked to the GREEN Key.
- YELLOW : Converts to the Page linked to the YELLOW Key.
- BLUE : Converts to the Page linked to the BLUE Key.

**12** **HOLD(option)**

Maintain the Page content as currently displayed, if it has been changed.

**9** **TV**

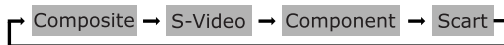
Selects TV signal. Teletext (option) Off.

**13** **FLOP/LIST(option)**

Exchanges FLOP/LIST mode.

**10** **VID**

Press to display all available video sources (i.e., Video, S-video and DVD).



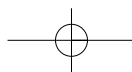
Select video source (Video (composite), S-video and DVD (composite)).

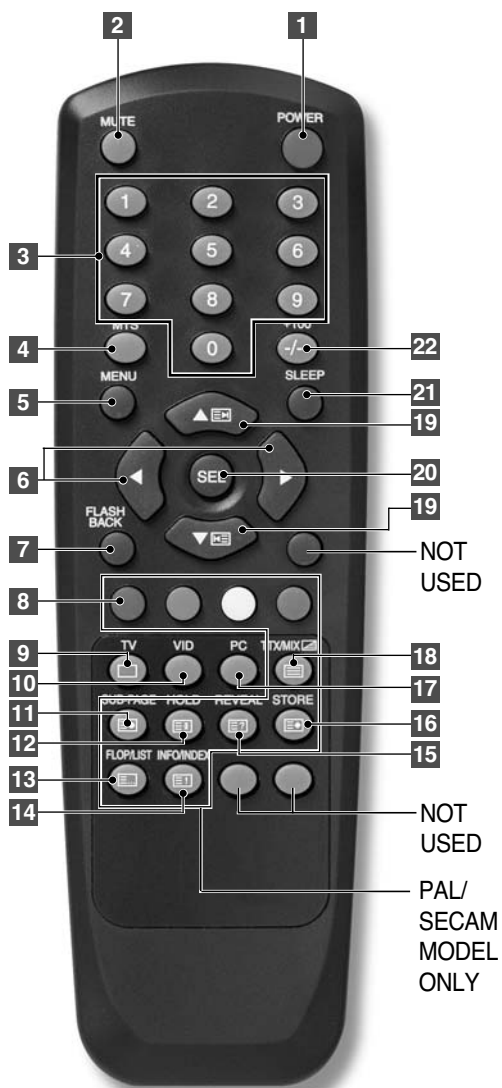
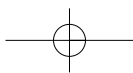
**14** **INFO/INDEX(option)**

Converts from the current Page to the INDEX Page.

**15** **REVEAL(option)**

Shows letters that are hidden (not displayed), even though they are included in the currently displayed Page.





**16**



**STORE(option)**

Stores the current Page

**17**



**PC**

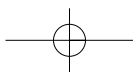
Selects PC signal.

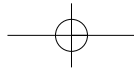
**18**



**TTX/MIX(option)**

TTX : Teletext On/Off  
 MIX : Displays the Page currently being displayed together with images





19



### CH ▼▲, TELETEXT PREVIOUS/NEXT PAGE

Press ▼ or ▲ to change channels. Also used to select in the OSD menu or select the channel providing teletext service.

21



### SLEEP

Sets SLEEP reservation time. When the reserved time comes, the apparatus is automatically turned off.

20



### SEL

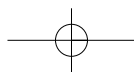
Select sub-menu or fix user setting.

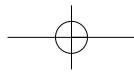
22



### -/--(+100)

Select channels with the number over 100.



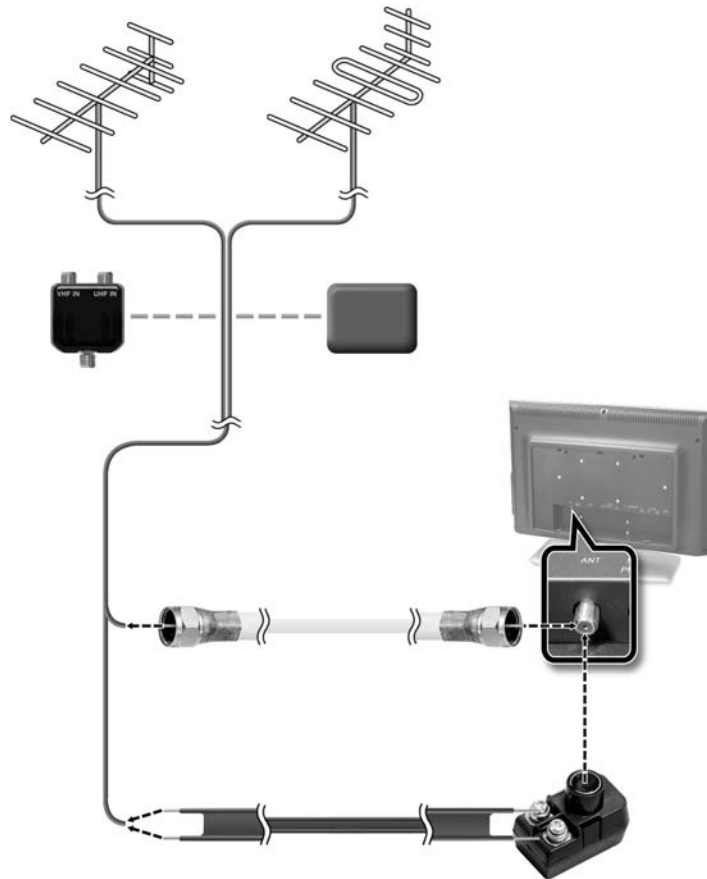


# Connecting to Watch LCD Display, VCR or DVD

## Connecting the Aerial or Cable Television Network

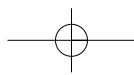
■ To view television channels correctly, a signal must be received by the set from one of following sources:

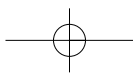
- An outdoor aerial
- An indoor aerial (not recommendable)
- A cable television network



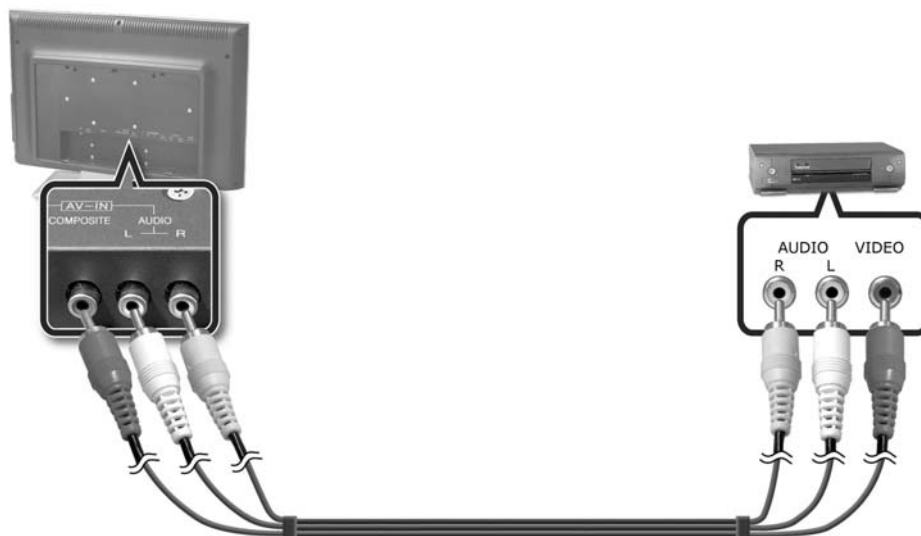
**1** In the first three cases, connect the aerial or network input cable to the 75 ohm coaxial socket on the rear of the TFT LCD display.

**2** Press the TV button on the remote control.



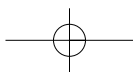
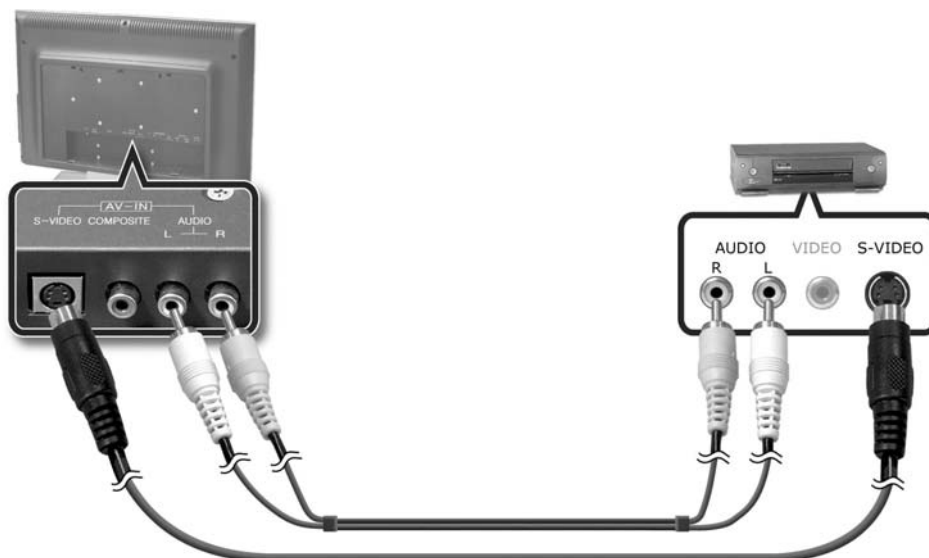


## Connecting the VCR, DVD or Other External Devices

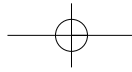


**A type** To connect COMPOSITE VIDEO

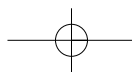
**B type** To connect S-VIDEO

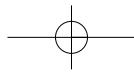




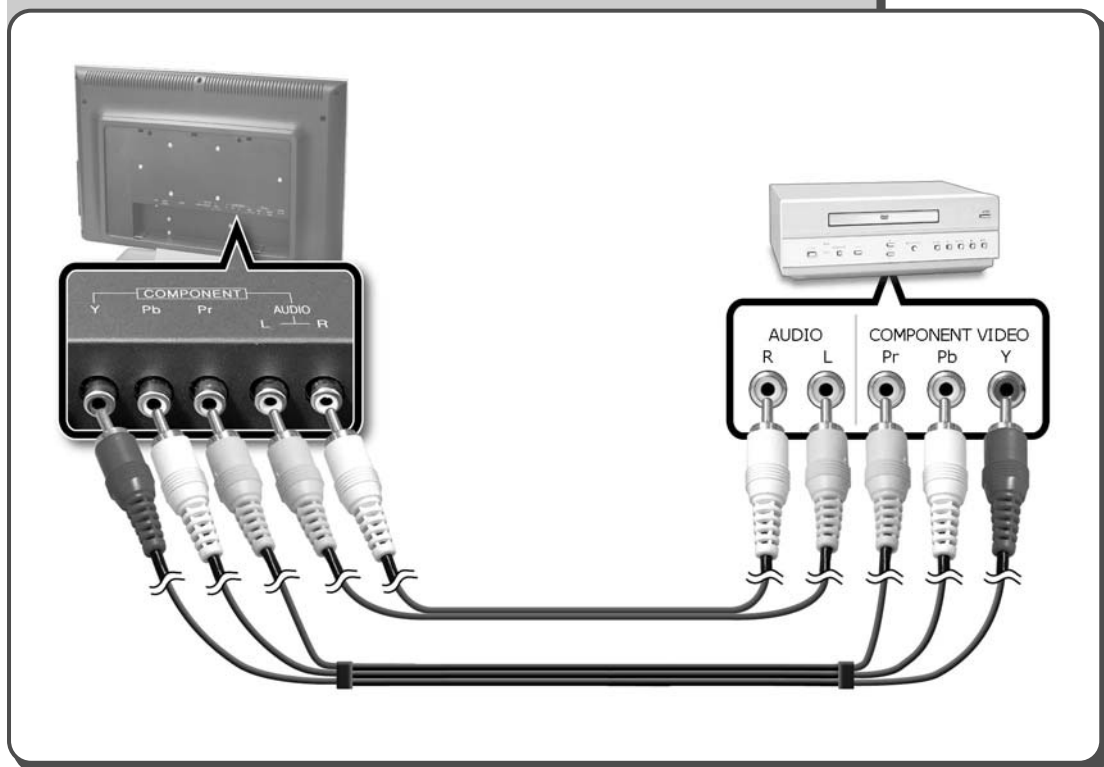
**C type** To connect TV, VCR

- 1** Connect a set of audio cables between the component AUDIO IN jacks of the LCD Display and the AUDIO OUT jacks of the DVD Player. When an external device is in MONO, the audio connection cable should be connected to 'AUDIO L' jack and S.MODE/MTS should be set MONO.
- 2** Connect video cables between the Y, Pb and Pr inputs on the LCD Display and the Y, Pb and Pr outputs on the DVD Player.

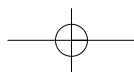


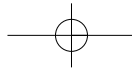


## Connecting a DVD Player (Connecting to Y, Pb, Pr)



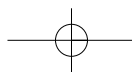
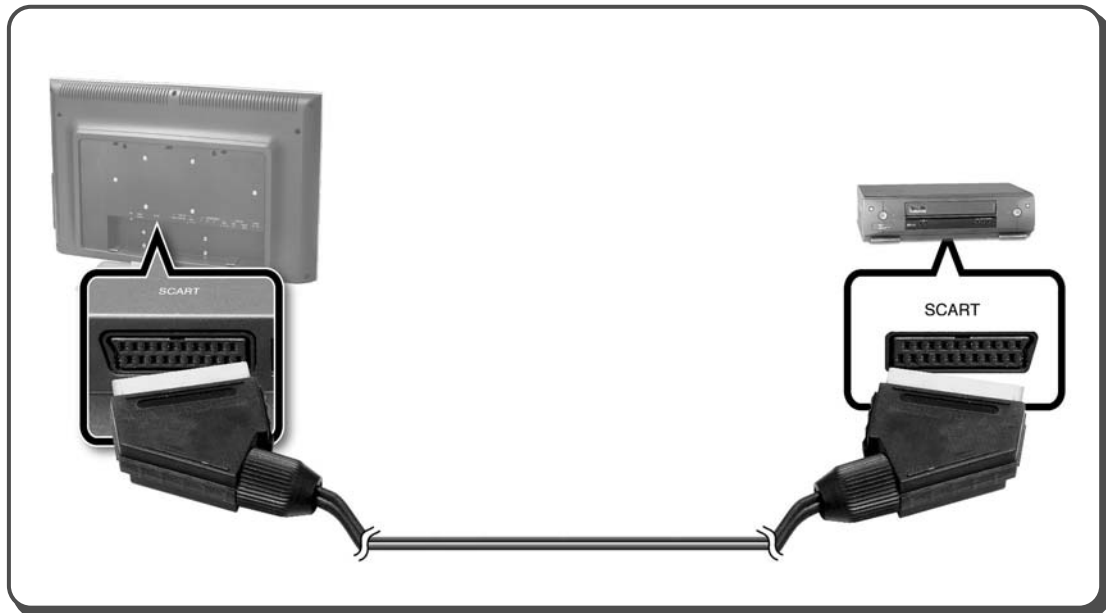
- 1** Connect a set of audio cables between the component AUDIO IN jacks of the LCD Display and the AUDIO OUT jacks of the DVD Player.
- 2** Connect video cables between the Y, P<sub>b</sub> and P<sub>r</sub> inputs on the LCD Display and the Y, P<sub>b</sub> and P<sub>r</sub> outputs on the DVD Player.  
(Note : For an explanation of component video, see your DVD Player's manual.)

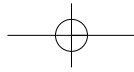




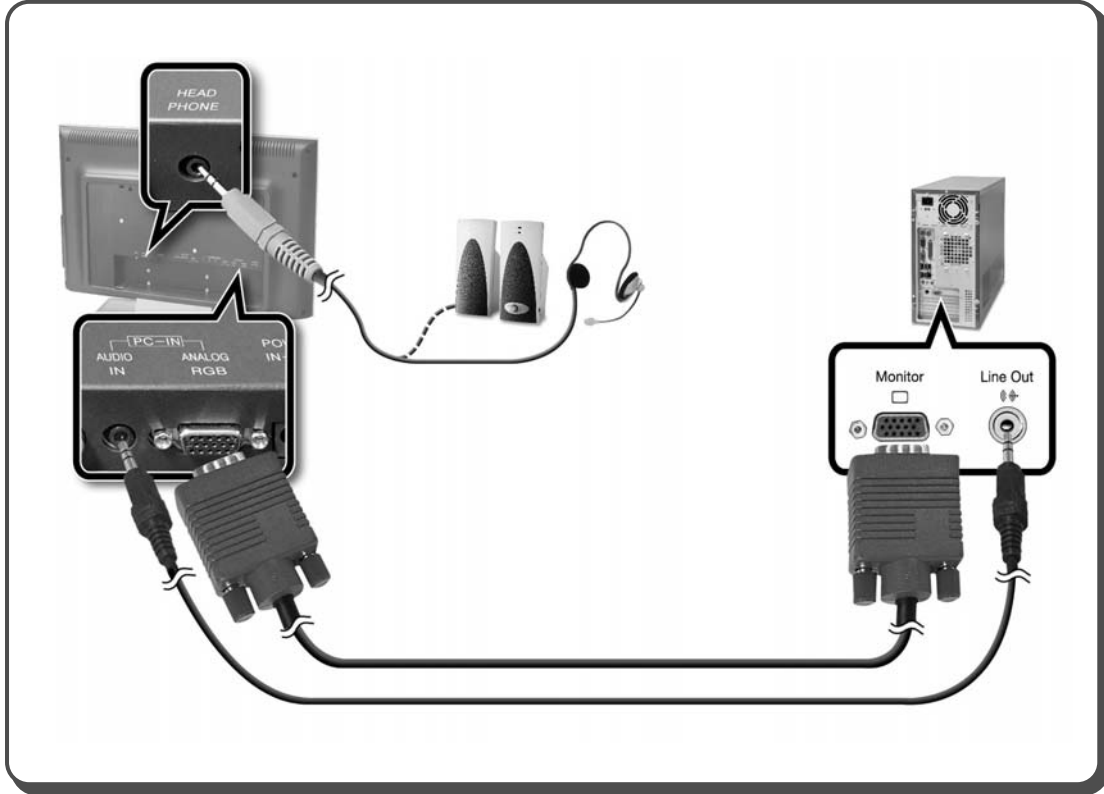
# Connecting to SCART (Option)

- 1** Instead of the COMPOSITE or S-VIDEO, SCART can be used if the external devices provide it.
- 2** Referring to the user manual of the external device, connect the SCART cable as follows.

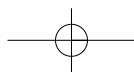


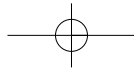


# Connecting to a PC



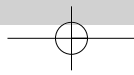
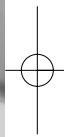
- 1** Turn off your computer and LCD Display.
- 2** Connect a PC D-Sub cable between your PC and the PC-VIDEO-IN of the LCD Display.  
Then fasten the screws on both sides of the cable.
- 3** Connect a PC Audio Cable between the Sound Output Jack of the sound card on the PC and the PC-AUDIO-IN of the LCD Display.
- 4** Power on the computer before turning on the LCD Display.

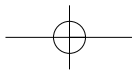




# *Chapter 2*

## *Operation*

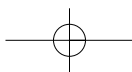


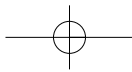


# Menu Tree

## TV Menu Types and Items (PAL/SECAM)

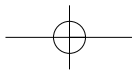
Menu	Items	Items Description
<b>BRIGHTNESS / CONTRAST</b>	BRIGHTNESS	Adjusts screen brightness
	CONTRAST	Adjusts screen contrast
<b>COLOR</b>	SHARPNESS	Adjusts screen sharpness
	COLOR	Adjusts color intensity (with reference to white)
	TINT	Adjusts screen color saturation
<b>CHANNEL</b>	AUTO PROGRAM	Tunes channels automatically
		SYSTEM :
		STORAGE FROM :
		START :
	MANUAL PROGRAM	Stores channels manually
		SYSTEM :
		CHANNEL :
		FINE :
		SEARCH :
		NAME :
PROGRAM EDIT	Manually memorize or erase the TV or CABLE channel.	
<b>SETUP</b>	OSD POSITION	Selects a position for the OSD screen
	OSD TIME	Adjusts the time taken for the OSD menu screen to disappear
	LANGUAGE	Selects a language for the OSD menu
	INPUT SOURCE	Select an input source as appropriate for the following:
		ANALOG : When connected to a PC via an analog connector (D-sub).
		S-VIDEO : S-VHS signal input
		COMPOSITE : COMPOSITE signal input
		TUNER : When connected to a TV.
COMPONENT : COMPONENT (Y, Pb, Pr) input signal		
SCART : SCART input signal		
<b>AUDIO</b>	BASS	Adjusts bass
	TREBLE	Adjusts treble
	BALANCE	Adjusts balance
	AUDIO MODE	Selects the desired sound setting (Sports, Movie, Music)
<b>EXIT</b>	-	Exits OSD Setup





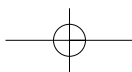
## TV Menu Types and Items (NTSC)

Menu	Items	Items Description
<b>BRIGHTNESS / CONTRAST</b>	BRIGHTNESS	Adjusts screen brightness
	CONTRAST	Adjusts screen contrast
<b>COLOR</b>	SHARPNESS	Adjusts screen sharpness
	COLOR	Adjusts color intensity (with reference to white)
	TINT	Adjusts screen color saturation
<b>CHANNEL</b>	AIR/CATV	AIR : Selects when watching the air TV.
		CATV : Selects when watching the CATV.
	AUTO CHANNEL	Automatically memorize the active TV or CABLE channels.
		START : Starts detecting the active channels.
		STOP : STops detecting the active channels.
	MANUAL CHANNEL	Manually memorize or erase the TV or CABLE channel.
DEL : Delete channel number.		
ADD : Add channel number.		
FINE	Adjust when the display color is blur or unfocused.	
<b>SETUP</b>	OSD POSITION	Selects a position for the OSD screen
	OSD TIME	Adjusts the time taken for the OSD menu screen to disappear
	LANGUAGE	Selects a language for the OSD menu
	INPUT SOURCE	Select an input source as appropriate for the following:
		ANALOG : When connected to a PC via an analog connector (D-sub).
		S-VIDEO : S-VHS signal input
		COMPOSITE : COMPOSITE signal input
TUNER : When connected to a TV.		
COMPONENT : COMPONENT (Y, Pb, Pr) input signal		
<b>AUDIO</b>	BASS	Adjusts bass
	TREBLE	Adjusts treble
	BALANCE	Adjusts balance
	AUDIO MODE	Selects the desired sound setting (Sports, Movie, Music)
	SAP	Set status to SAP(Second Audio Program) to receive audio simul casts in other laguages.(ON/OFF)
<b>EXIT</b>	-	Exits OSD Setup



## PC Menu Types and Items

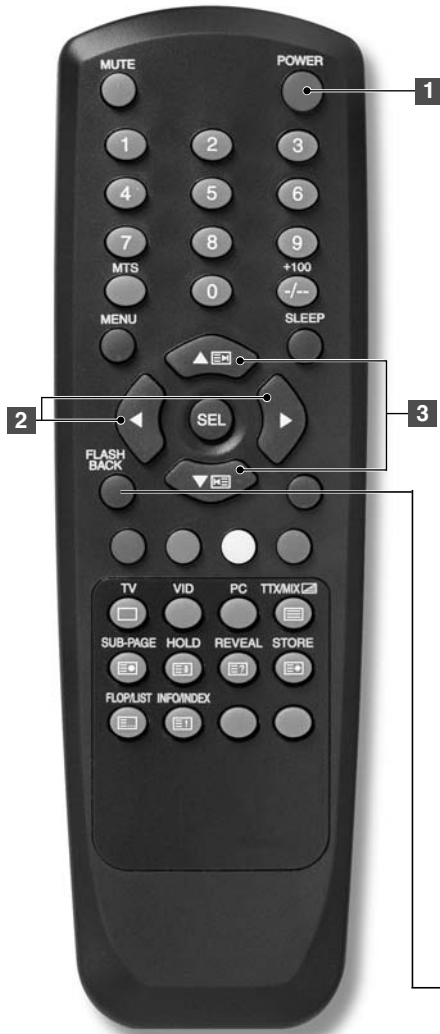
Menu	Items	Items Description	
<b>BRIGHTNESS / CONTRAST</b>	BRIGHTNESS	Adjusts screen brightness	
	CONTRAST	Adjusts screen contrast	
<b>COLOR</b>	Controls color (Red, Green, Blue) of the display.		
	RED	Changes the of red level.	
	GREEN	Changes the of green level.	
	BLUE	Changes the of blue level.	
<b>POSITION</b>	HORIZONTAL	Adjusts the horizontal position of the display	
	VERTICAL	Adjusts the vertical position of the display	
	CLOCK	Increases or decreases the number of pixels to adjust the horizontal size.	
	PHASE	Adjusts the focus and sharpness of the display	
<b>SETUP</b>	OSD POSITION	Selects a position for the OSD screen	
	OSD TIME	Adjusts the time taken for the OSD menu screen to disappear	
	LANGUAGE	Selects a language for the OSD menu	
	INPUT SOURCE	Selects an input source as appropriate for the follows:	
		ANALOG : When connected to a PC via an analog connector (D-sub).	
		S-VIDEO : S-VHS signal input	
		COMPOSITE : COMPOSITE signal input	
		TUNER : When connected to a TV.	
COMPONENT : COMPONENT (Y, Pb, Pr) input signal			
SCART : SCART input signal			
<b>AUDIO</b>	BASS	Adjusts bass	
	TREBLE	Adjusts treble	
	BALANCE	Adjusts balance	
	AUDIO MODE	Selects the desired sound setting (Sport, Movie, Music)	
<b>EXIT</b>	-	Exits OSD Setup	





# To watch TV

Power supply to the TV may be either 110 V or 220 V.



1



## Power Button

Turn the TV on or off.  
(The power indicator turns red when power is connected to the LCD TV and turns green when the <POWER> button is pressed.)

2



## Channel Change Button ▲/▼

Changes the channel.  
Also used to select a menu function.

3



## Volume Control Button ◀/▶

Adjusts the volume level while watching TV.  
Also used to navigate in the main menu

To select the previous channel

Pressing the ● <FLASH BACK> button returns to the channel that you were viewing previously.

### Pressing the <POWER> button on your remote control

Pressing the ● <POWER> button puts the TV in standby mode.  
Pressing the ● <POWER> button one more time turns on the channel being viewed prior to switching to standby mode. To turn off the power completely, unplug the power cable from the power outlet.

### To mute sound

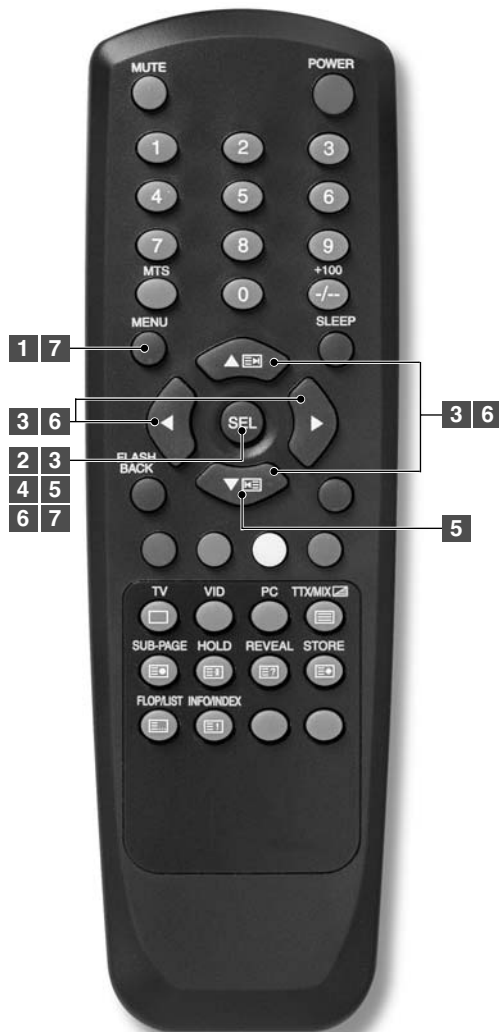


## <MUTE> button

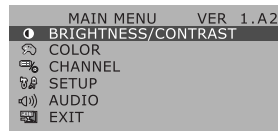
Press the button once to turn off the TV sound and press again to turn on the sound.

# Adjusting the Picture Settings

Because display settings such as contrast, brightness, sharpness and color are set automatically when the LCD TV is shipped, there is no need for additional adjustment by the user. If you want re-set the display settings to your preference, please refer to the following instructions.



- 1 Press the <MENU> button on the remote control. The main menu appears allowing you to adjust the screen.



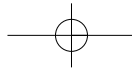
- 2 Go to the 'BRIGHTNESS/CONTRAST' menu and press the <SEL> button.

- 3 Press the button to go to the item to change and press the <SEL> button to select it. Press the button to adjust the selected item.



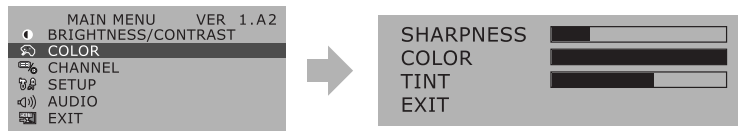
Adjust the screen as described below:

- **BRIGHTNESS**  
Adjust brightness. (Brightness means the brightness of the screen.)
- **CONTRAST**  
Adjust contrast. (Contrast means the difference in brightness between an object and its background.)



**4** When the adjustment is complete, press the **SEL** <SEL> button. Go to 'EXIT' and press the **SEL** <SEL> button.

**5** Press the **SEL** <SEL> button to go to the 'COLOR' menu and press the **SEL** <SEL> button.

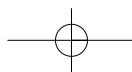


**6** Press the **SEL** <SEL> button to go to the item to change and press the **SEL** <SEL> button to select it. Press the **SEL** <SEL> button to adjust the selected item.

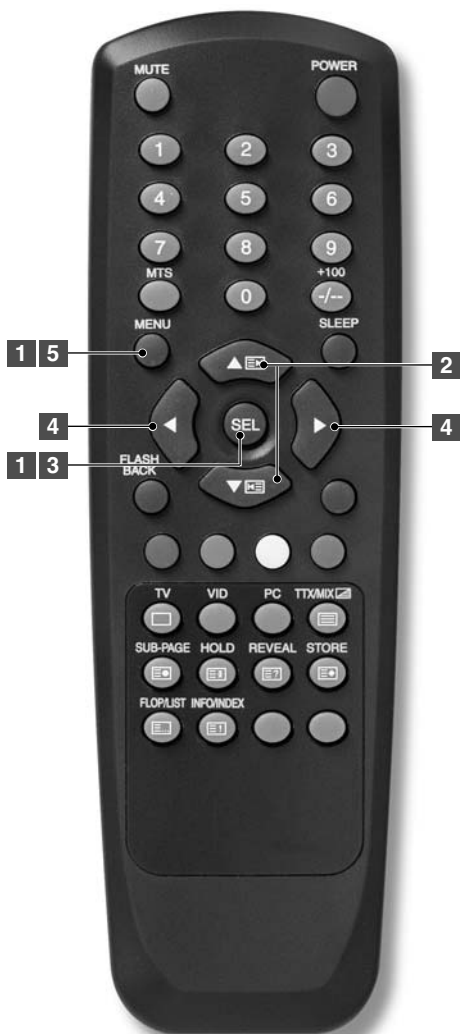
Adjust the screen as described below:

- **SHARPNESS**  
Adjust sharpness.  
(Sharpness means the sharpness of the object's profile.)
- **COLOR**  
Adjust color (RGB).  
(Adjusting the color to make it look more natural.)
- **TINT**  
Adjust color intensity.  
(Color intensity indicates color depth.)

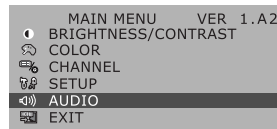
**7** When adjustment is complete, press the **SEL** <SEL> button. Go to 'EXIT' and press the **SEL** <SEL> or **SEL** <MENU> button to exit the menu screen.



# Adjusting Sound Settings (PAL/SECOM)



- 1 Press the **MENU** button on the remote control and press the **SEL** button to go to the 'AUDIO' menu. Press the **SEL** button.



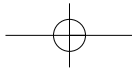
- 2 Press the **Left** button to go to the item to change.



- 3 Press the **SEL** button on the item to change.


Adjust the sound as described below:

- **BASS**  
Adjust bass.
- **TREBLE**  
Adjust treble.



- **BALANCE**  
Adjust balance between the left & right speakers.
- **AUDIO MODE**  
Select the desired sound setting.

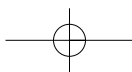
**4** Press the  button to adjust setting.

**5** When setting is complete, press the  <MENU> button to exit the menu screen.

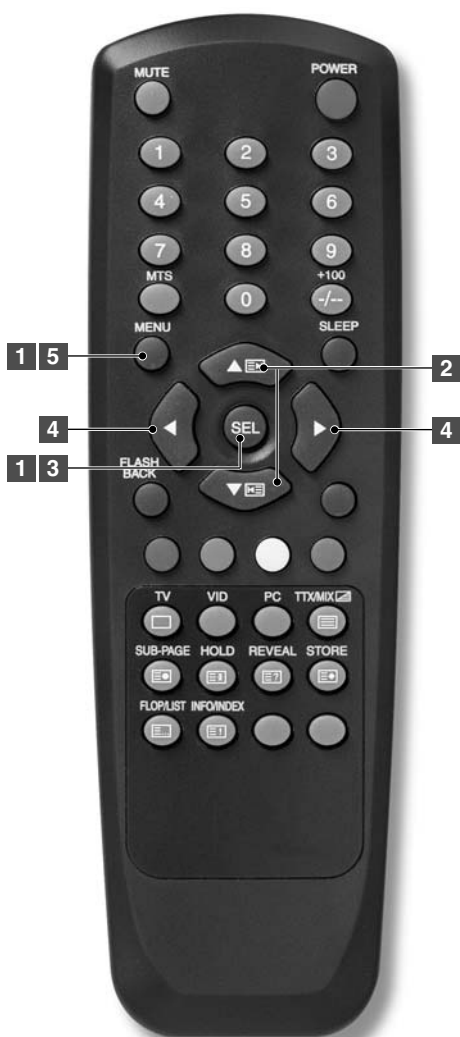


### Notes

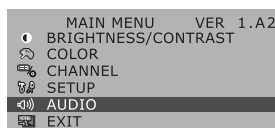
- ▶ If the sound is too harsh, reduce the Treble and Bass
- ▶ Adjust the Treble/Bass for good sound.



# Adjusting Sound Settings(NTSC)



- 1 Press the **MENU** button on the remote control and press the **SEL** button to go to the 'AUDIO' menu. Press the **SEL** button.



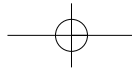
- 2 Press the **SEL** button to go to the item to change.



- 3 Press the **SEL** button on the item to change.

Adjust the sound as described below:

- **BASS**  
Adjust bass.
- **TREBLE**  
Adjust treble.



- **BALANCE**

Adjust balance between the left & right speakers.

- **AUDIO MODE**

Select the desired sound setting.


- **SAP**

Set status to SAP(Second Audio Program) to receive audio simul casts in other lauguages.(ON/OFF)

**4**

Press the  button to adjust setting.

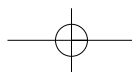
**5**

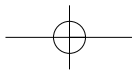
When setting is complete, press the  <MENU> button to exit the menu screen.



### Notes

- ▶ If the sound is too harsh, reduce the Treble and Bass
- ▶ Adjust the Treble/Bass for good sound.





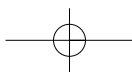
## Selecting the Sound Mode (Depending on PAL Model)

The 'MTS' button displays/controls the processing and output of the audio signal. When power is switched ON, the mode is automatically preset to either MONO or 'STEREO' depending on the current transmission.



### Notes

- ▶ If receiving conditions deteriorate, listening will be easier if the mode is set to the 'Mono' position using the MTS button.
- ▶ If the stereo signal is weak (or if intermittent Stereo-Mono) and automatic switching occurs, then switch to 'Mono' mode.



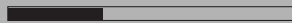


You can adjust the volume by pressing the ◀ or ▶ buttons directly. You can switch the sound off temporarily by pressing the MUTE button on the remote controller.



### Adjusting the Volume/Temporarily Switching Off the Sound

- 1 Press the ▶ button to increase the volume (cursor moves to the right.).

Volume  31

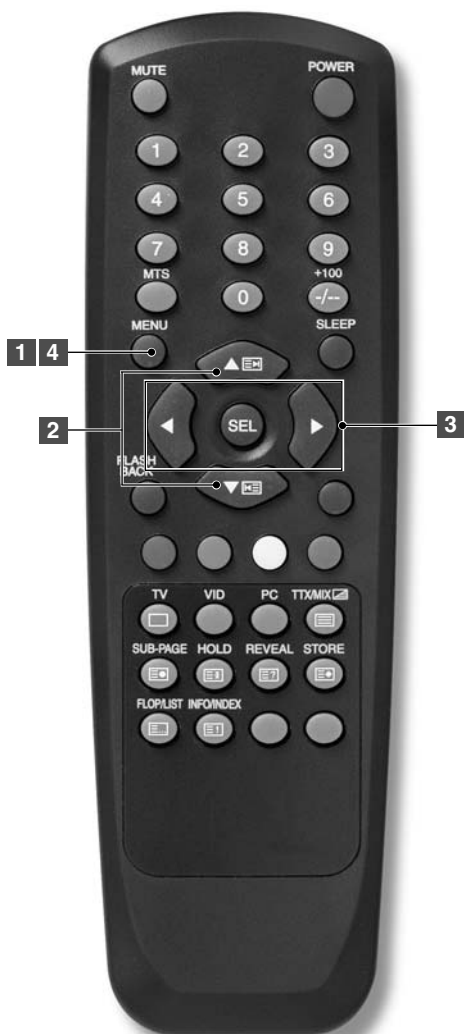
- 2 Press the ◀ button to decrease the volume.

- 3 Press the MUTE button.  
The sound is switched off and MUTE character is displayed.

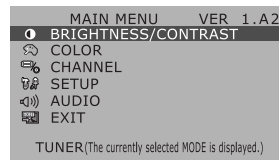
- 4 To resume the sound, press the MUTE button again (or the ◀ or ▶ buttons).

# Adjusting the Menu Settings

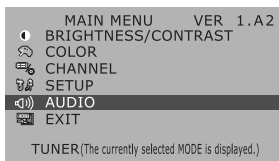
To set a LCD TV function of, press the <MENU> button and set each function item in the menu. As you become more familiar with setting menu items, using LCD TV will become easier.

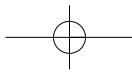


**1** Press the  <MENU> button.



**2** Press the  button to go to a menu.





- 3** Press the <SEL> button to select a menu or an item.  
And press the button to adjust or set an item.



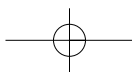
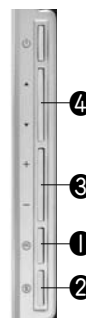
- 4** When finished with the adjustments, press the <MENU> button.



### Note

▶ To set the menu items without the remote control,

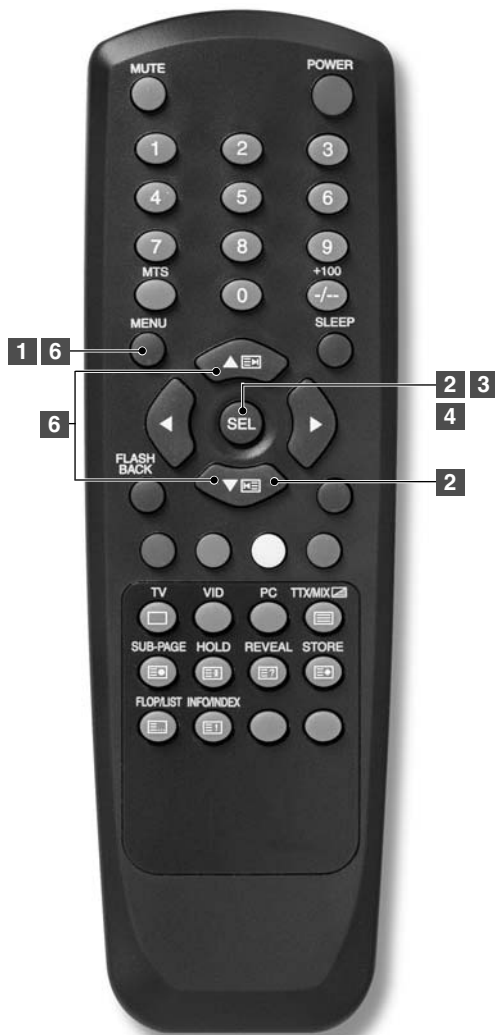
- ① Press the <Menu> button on the right side of LCD TV.
- ② Press the <S> button to activate the menu.
- ③ Pressing the <+/-> button changes the menu.
- ④ Pressing the <▲/▼> button changes the item.



# Setting TV channels(PAL/SECOM)

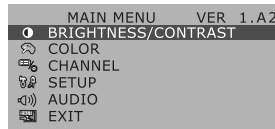
The TV can set its channels automatically.

Be sure that the TV is properly connected prior to using this function. Use this function during regular air time only – the TV can detect only channels that are currently broadcasting.

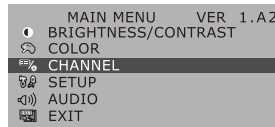


## Setting channels automatically

**1** Press the <MENU> button.

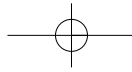


**2** Press the button to go to the 'CHANNEL' menu and press the <SEL> button.

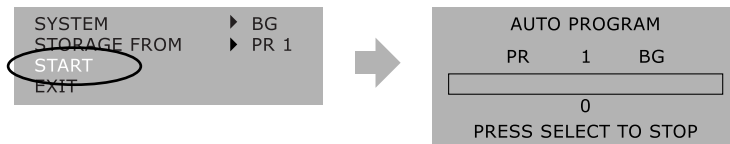





**3** Go to the 'AUTO PROGRAM' item and press the <SEL> button.



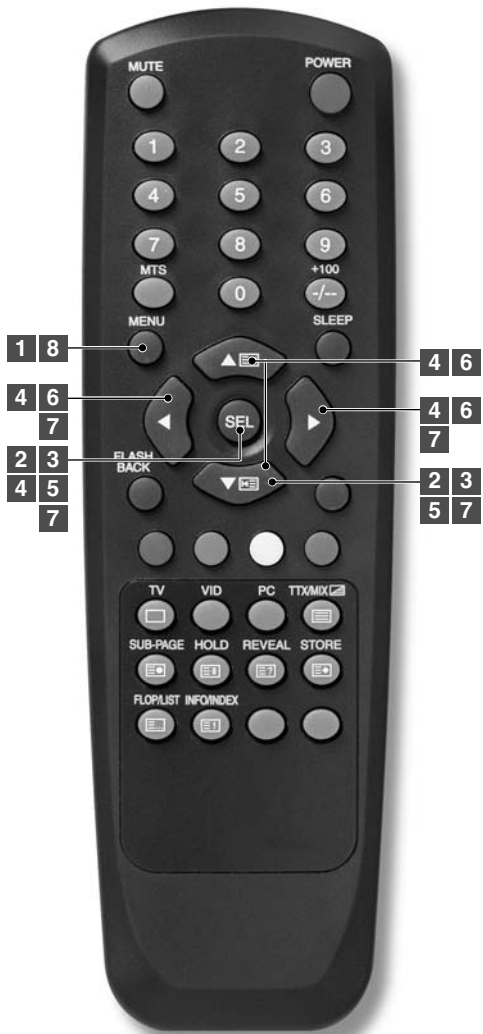


- 4** Go to 'START' item in 'CHANNEL TUNING' and press the  <SEL> button to seek and store channels automatically.

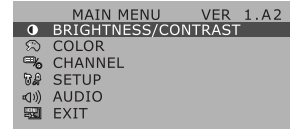


- 5** When automatic channel tuning is complete, the lowest channel number is displayed on the screen.
- 6** Press the   button to display stored channels.  
(Or press the  <MENU> button to exit the menu screen.)

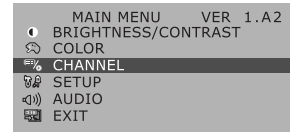
## Storing the Channel Manually



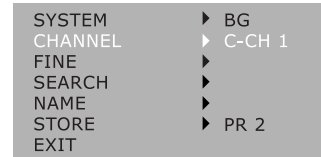
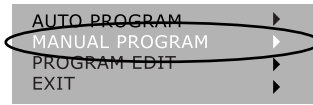
**1** Press the **<MENU>** button.



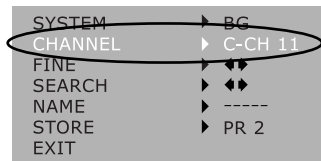
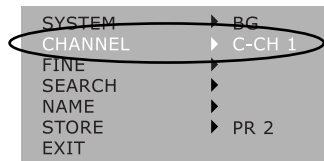
**2** Press the button to go to the 'CHANNEL' menu and press the **<SEL>** button.

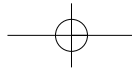


**3** Press the button to go to the 'MANUAL PROGRAM' item and press the **<SEL>** button.

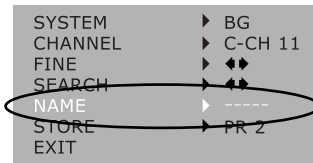


**4** Go to the 'CHANNEL' item and press the **<SEL>** button. Press the and buttons to select the changed channel.

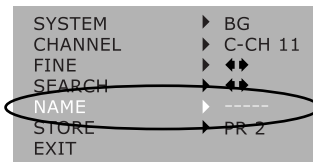




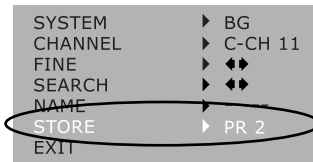
- 5** Press the <SEL> button to store the channel. Press the button to go to the 'NAME' menu and press the <SEL> button.



- 6** Press the and buttons to specify a name.



- 7** Press the button to go to the 'STORE' menu and press the <SEL> button. Press the button to select a name to store and press the <SEL> button.



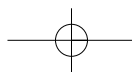
- 8** Press the <MENU> button to exit the menu screen.



**Note**

▶ To select a channel above 100 (i.e.: Channel 110)

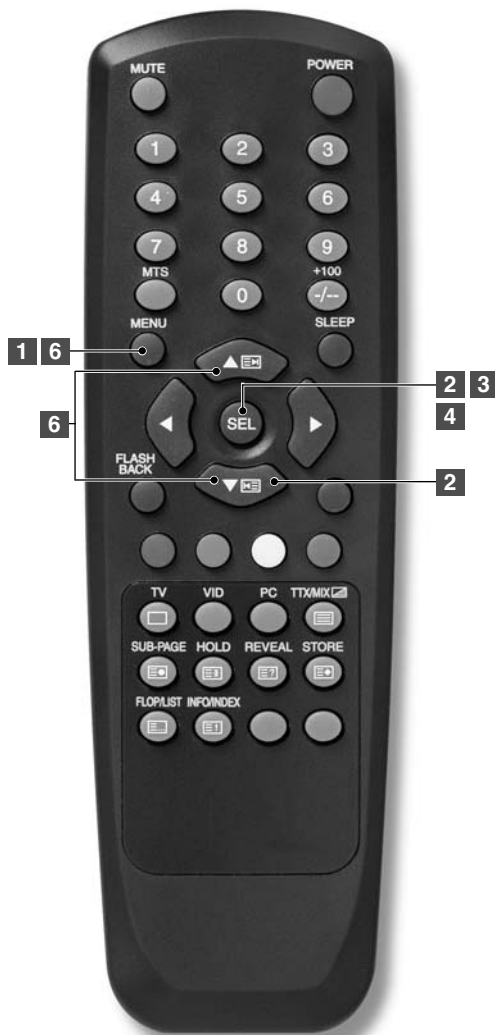
- ① Press the <+100> button on the remote control and then 1\_\_ is displayed.
- ② Press <1> and <0> on the remote control to select channel 110.



# Setting TV channels(NTSC)

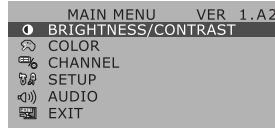
The TV can set its channels automatically.

Be sure that the TV is properly connected prior to using this function. Use this function during regular air time only – the TV can detect only channels that are currently broadcasting.

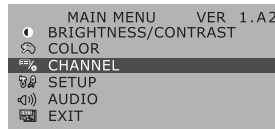


## Setting channels automatically

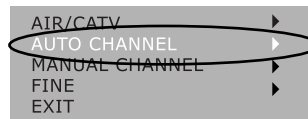
**1** Press the <MENU> button.



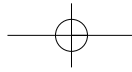
**2** Press the button to go to the 'CHANNEL' menu and press the <SEL> button.







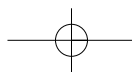
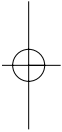
**3** Go to the 'AUTO CHANNEL' item and press the <SEL> button.



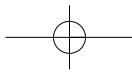




- 4** Press the  button, select the 'START' item and press the  <SEL> button to seek and store channels automatically.
- 5** When automatic channel tuning is complete, the lowest channel number is displayed on the screen.
- 6** Press the  button to display stored channels.  
(Or press the  <MENU> button to exit the menu screen.)







- 4** <SEL> button press the and buttons to select the changed channel. Press the <SEL> button



- 5** Press the button to select a 'ADD' and press the <SEL> button.

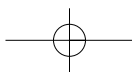
- 6** Press the <MENU> button to exit the menu screen.



### Note

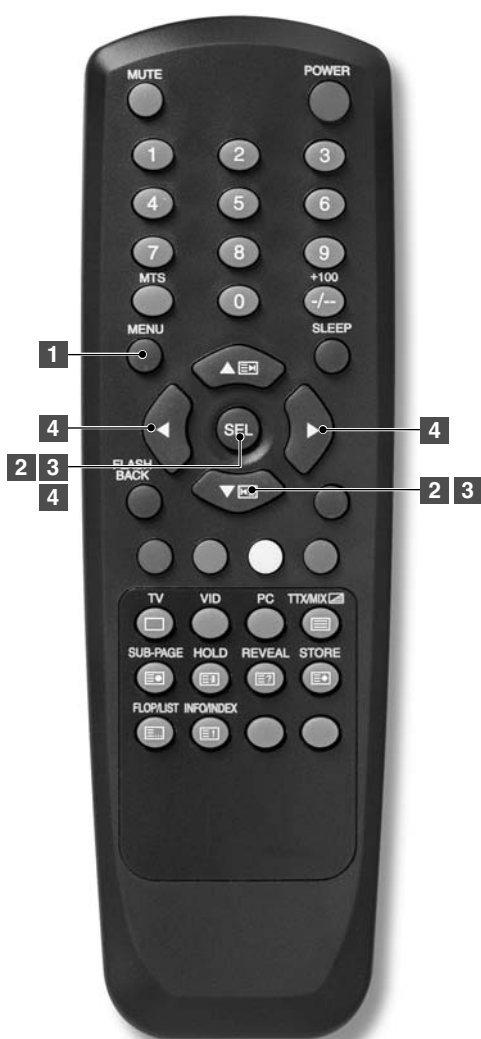
▶ To select a channel above 100 (i.e.: Channel 110)

- ① Press the <+100> button on the remote control and then 1\_\_ is displayed.
- ② Press <1> and <0> on the remote control to select channel 110.

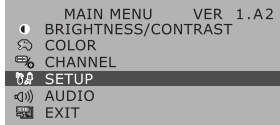


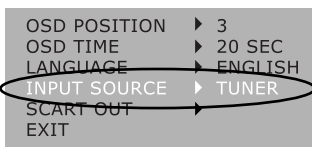
# To select TV/external input(PAL/SECOM)

You can select signals from LCD TV or an external input that is connected to LCD TV.  
(Ex: VCR, DVD, Camcorder, etc.)

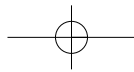


## When connected to cable input


- 1 Press the **MENU** button.
- 2 Press the **SEL** button to go to the 'SETUP' menu and press the **SEL** button.  


```
MAIN MENU VER 1.A2
BRIGHTNESS/CONTRAST
COLOR
CHANNEL
SETUP
AUDIO
EXIT
```
- 3 Press the **SEL** button to go to the 'INPUT SOURCE' item and press the **SEL** button.  


```
OSD POSITION ▶ 3
OSD TIME ▶ 20 SEC
LANGUAGE ▶ ENGLISH
INPUT SOURCE ▶ TUNER
SCART OUT
EXIT
```
- 4 Press the **SEL** button to select an external input signal (TUNER) item and press the **SEL** button.
- 5 Press the **MENU** button to exit the menu screen.




## When connected to a VCR

**1** Press the  <VID> button on the remote control.

Composite → S-Video → Component → Scart

**2** After checking whether the connecting cable to VCR is composite or S-video, select an appropriate mode.

## When connected to a DVD player

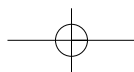
**1** Press the  <VID> button on the remote control.

Composite → S-Video → Component → Scart

**2** When connected to a DVD player, select 'Component'.

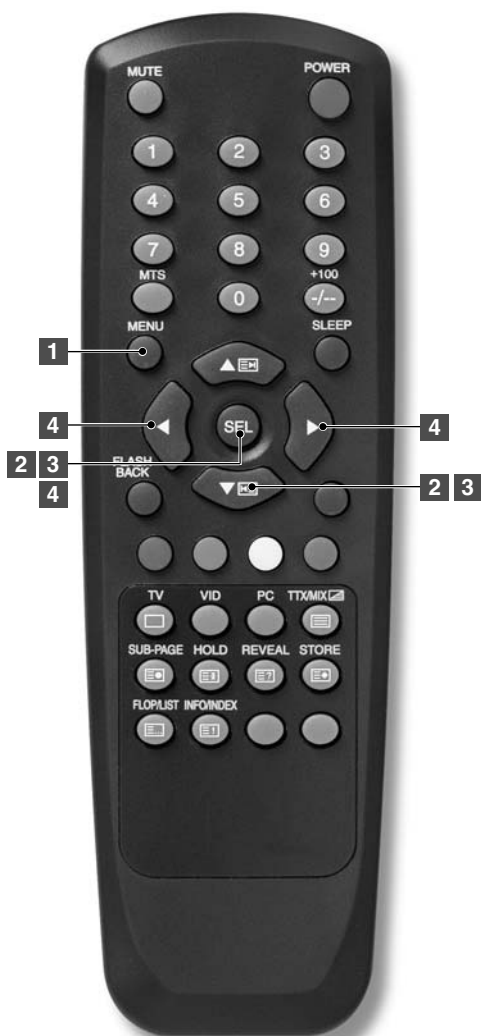
## When connected to a camcorder

Please refer to the instructions for when connected to VCR.

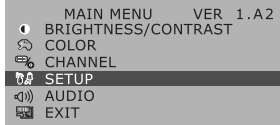


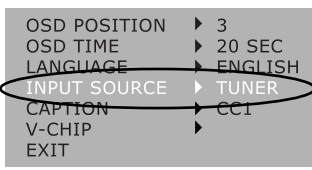
# To select TV/external input(NTSC)

You can select signals from LCD TV or an external input that is connected to LCD TV.  
(Ex: VCR, DVD, Camcorder, etc.)

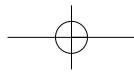


## When connected to cable input


- 1 Press the **MENU** button.
- 2 Press the **SEL** button to go to the 'SETUP' menu and press the **SEL** button.  


```
MAIN MENU VER 1.A2
BRIGHTNESS/CONTRAST
COLOR
CHANNEL
SETUP
AUDIO
EXIT
```
- 3 Press the **SEL** button to go to the 'INPUT SOURCE' item and press the **SEL** button.  


```
OSD POSITION  ▶ 3
OSD TIME    ▶ 20 SEC
LANGUAGE    ▶ ENGLISH
INPUT SOURCE ▶ TUNER
CAPTION     ▶ CC1
V-CHIP     ▶
EXIT
```
- 4 Press the **SEL** button to select an external input signal (TUNER) item and press the **SEL** button.
- 5 Press the **MENU** button to exit the menu screen.




## When connected to a VCR

**1** Press the  <VID> button on the remote control.

Composite → S-Video → Component

**2** After checking whether the connecting cable to VCR is composite or S-video, select an appropriate mode.

## When connected to a DVD player

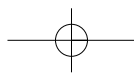
**1** Press the  <VID> button on the remote control.

Composite → S-Video → Component

**2** When connected to a DVD player, select 'Component'.

## When connected to a camcorder

Please refer to the instructions for when connected to VCR.



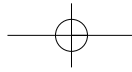
# To schedule SLEEP TIME

If SLEEP TIME is scheduled, TV power goes into standby mode automatically after a specified period of time.



- 1** Press the ● <SLEEP> button.  
The 'SLEEP TIMER' setup screen appears.
- 2** Each time you press the ● <SLEEP> button a different SLEEP TIME appears on the screen. Select the SLEEP TIME that you want.
  - OFF: Select it to disable the SLEEP function.)
  - 30, 60, 90, 120, 150, 180 : SLEEP TIME
- 3** When the specified time (i.e.. 30 minutes) has passed, the TV will go into standby mode automatically





# Teletext Decoder(PAL/SECOM)

Most television channels carry 'teletext', pages of text that provide information such as:

- Television program schedules
- News bulletins
- Weather forecasts
- Sports results
- Subtitles for the hearing-impaired



## Note

- ▶ The teletext feature does not work with PC signals.

The teletext pages are organised into six categories:

Part	Contents
A	Selected page number.
B	Broadcasting station identity.
C	Current page number or search status.
D	Date and time.
E	Text.
F	Status information.

# Displaying Teletext Information

You can look at teletext information at any time, but signal reception must be good.

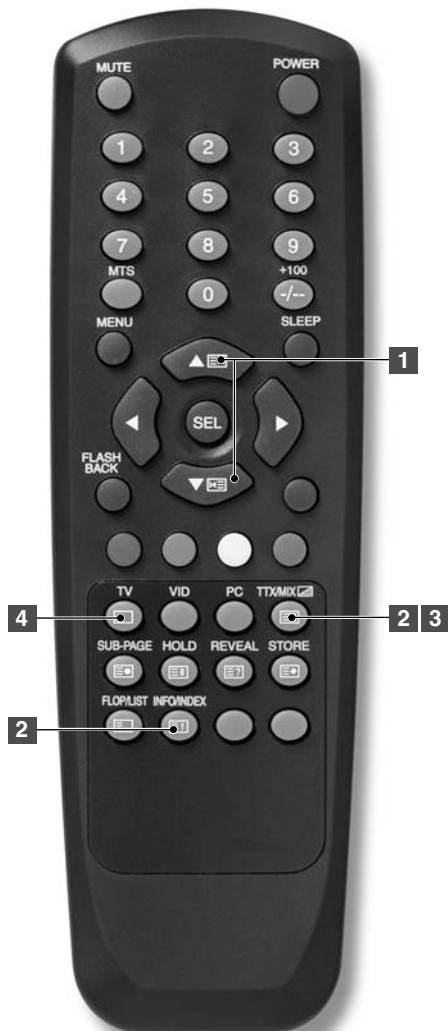
Otherwise:

- Information may be missing.
- Some pages may not be displayed.



## Note

- The teletext feature does not work with PC signals.



- 1 Using the ▼ (down arrow) or ▲ (up arrow) buttons, select the channel providing the teletext service.
- 2 Press the TTX/MIX (teletext icon) button to activate the teletext mode.  
(Result : The contents page is displayed. It can be redisplayed at any time by pressing the INDEX button.)
- 3 To display the actual broadcast simultaneously with the teletext page, press the TTX/MIX (teletext icon) button.
- 4 To return to normal viewing, press the TV (TV icon) button.

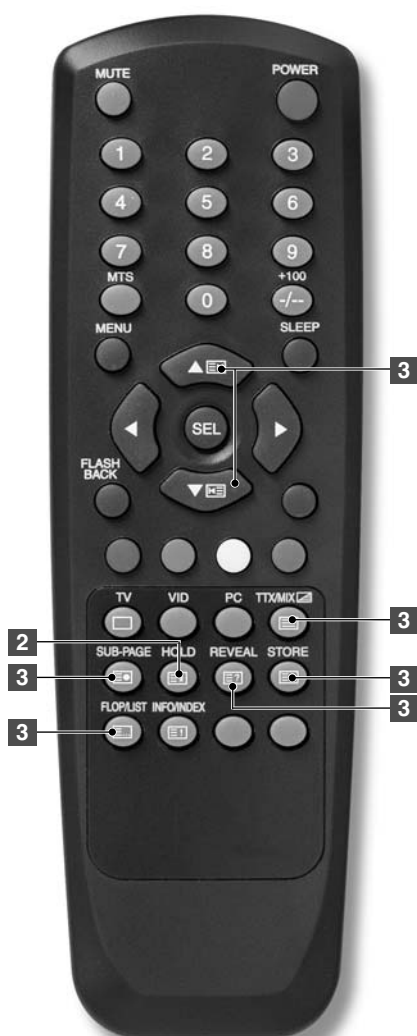
# Selecting a Specific Teletext Page

Press the numeric buttons on the remote control to enter the page number directly:



## Note

- ▶ The Teletext feature does not work with PC signals.



**1** Enter the three-digit page number listed in the contents by pressing the corresponding numeric buttons.  
(Result : The current page counter is incremented and the page is then displayed.)

**2** If the selected page is linked to several secondary pages, the secondary pages are displayed in sequence.  
To freeze the display at a given page, press the HOLD button.  
Press the HOLD button again to resume.

**3** Using the various display options:

To display....	Press the...
Both teletext information and the normal broadcast	TTX/MIX(  )
Hidden text (answers to quiz games, for example)	REVEAL(  )
The normal screen	REVEAL(  ) again
A secondary page, by entering its 4-digit number	SUB-PAGE(  )
The next page	PAGE UP(  )
The previous page	PAGE DOWN(  )
FLOF/LIST select	FLOF/LIST(  )
Store	STORE(  )

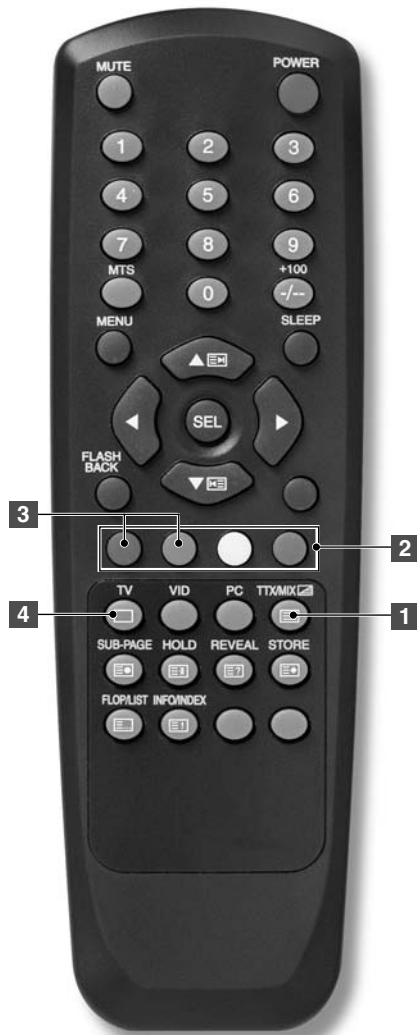
# Using FLOF to select a Teletext Page (option)

The topics included in the teletext pages are colour-coded, and can be selected by pressing the coloured buttons on the remote control.



## Note

► The Teletext feature dose not work with PC signals.



**1** Display the teletext contents page by pressing the TTX/MIX( ) button.

**2** Press the coloured button corresponding to the topic that you wish to select (The available topics are listed on the status information line). (Result : The page is displayed with additional colour-coded information that can be selected in the same way.)

<b>3</b>	<b>To display the:</b>	<b>Press the:</b>
	Previous page	Red button
	Next page	Green button

**4** When you have finished, press the TV( ) button to return to normal broadcasting.

# Storing Teletext Pages



Up to four teletext pages can be stored.

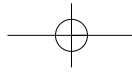


## Note

► The teletext feature dose not work with PC signals.



- 1** Select the LIST mode.  
(Result : 3-digit numbers are displayed in different colours at the bottom of the screen.)
- 2** Press the coloured button corresponding to the page that will be replaced.
- 3** Enter the new page number using the numeric buttons.
- 4** Repeat steps 2 and 3 for each page to be stored, using a different coloured button each time.
- 5** Press the STORE (  ) button until the corresponding blocks are displayed in white.  
The LIST (  ) button is used to switch between:
  - LIST mode / FLOF mode



# V-CHIP OSD(NTSC/Optional)

## MAIN MENU

OSD POSITION	▶	3
OFF TIMER	▶	20SEC
LANGUAGE	▶	ENGLISH
INPUT SOURCE	▶	TUNER
CAPTION	▶	OFF
V-CHIP	▶	OFF
EXIT		



### Note

- The V-CHIP initial PIN is set at '0000.'
- If you press the MENU KEY for 5 seconds, V-CHIP items are initialized.

## V-CHIP Selection

ENTER PIN	
	□ - - -

### ▶ CAPTION

- OFF ↔ CC1 ↔ CC2 ↔ CC3 ↔ CC4 ↔
- TEXT ↔ TEXT2 ↔ TEXT3 ↔ TEXT4 ↔
- OFF

- Enter ENTER PIN.

V-CHIP	
V-CHIP LOCK	▶ YES
TV GUIDELINES	▶
MPAA RATING	▶
CHANGE PIN	▶
EXIT	

V-CHIP	
V-CHIP LOCK	▶ NO
TV GUIDELINES	▶
MPAA RATING	▶
CHANGE PIN	▶
EXIT	

- If you select Yes in the V-CHIP LOCK, the LOCK function of the screen and voice is operated.

- If you select No in the V-CHIP LOCK, the LOCK function of the screen and voice is removed.

## TV GUIDELINES

TV-Y	U	FV	V	S	L	D
TV-Y7	U	U				
TV-G	U					
TV-PG	U		U	U	U	
TV-14	U		U	U	U	U
TV-MA	U		U	U	U	U
EXIT						

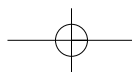
## MPAA RATING

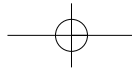
G	UNBLOCK
PG	UNBLOCK
PG-13	UNBLOCK
R	UNBLOCK
PNC-17	UNBLOCK
X	UNBLOCK
NR	UNBLOCK
EXIT	



### Note

- U : UNBLOCK
- B : BLOCK





## Note

### ▶ TV GUIDELINES

TV-Y (All Children)
TV-Y7 (Direct to Older Children)
TV-G (General Audience)
TV-PG (Parental Guidance Suggested)
TV-14 (Parents Strongly Cautioned)
TV-MA (Mature Audience Only)

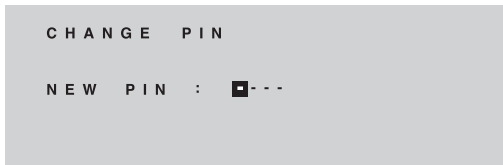
### ▶ CONTENT

FV (Fantasy Violence)
V (Violence)
S (Sexual Situation)
L (Adult Language)
D (Sexually Suggestive Dialog)

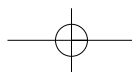
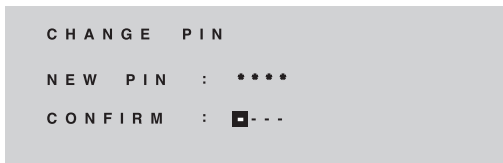
### ▶ MPAA RATING

G	GENERAL AUDIENCES All ages admitted
PG	PARENTAL GUIDANCE SUGGESTED Some material may not be suitable for children
PG-13	PARENTAL STRONGLY CAUTIONED Some material may be inappropriate for children under 13
R	RESTRICTED Under 17 requires accompanying parent or adult guardian
NC-17	NO ONE 17 AND UNDER ADMITTED
X	X is an older rating that is unified with NC-17 but may be encoded in the data of older movies

## ◎ CHANNEL PIN Selection



- To change the PIN number, select CHANGE PIN and enter NEW PIN.



# Initial set PC Mode



- 1** Power on your equipment by pressing the POWER button on the main set or on the remote control.
- 2** Press the PC button on the remote control to switch to PC mode. The PC screen is then automatically set.  
When a CD-Title runs, the music is output from the speakers.  
(You can use an external speaker via the Audio Output jack on the rear of the main set.)