

15.1" LCD Color TV/Monitor

**NEC**

# Owner's Manual




Model: **NLT-15**

## Contents


Before operating the set, please read this manual carefully.

Contents	1
Warnings	2~3
Supplied Accessories	4
Controls	5~7
Controller of panel	5
Remote controller	6~7
Installations	8
Basic Operation	9
Turning the TV On and off	9
Programme selection	9
Volume adjustment	9
Q.View	9
Mute Function	9
On screen Language selection	9
On Screen Display	10
Setting up TV programme	11~13
Auto programme	11
Manual programme	12
Programme edit	13
Picture Control	14
Manual picture control	14
Auto picture control	14
Sound Control	15
Other functions	16~17
TV, COMPONENT, VIDEO, S-VIDEO mode	16
Auto sleep	16
Blue back	16
Sleep timer	17
Sound output selection	17
Teletext	18~19
Text On/Off	18
TOP text	18
FLOF text	18
Special Teletext function	19
Connecting external equipment	20~21
Antenna connection	20
COMPONENT INPUT	20
A/V-Inputs	20
S-VIDEO-Input	21
Headphone jack	21
Connecting PC as Monitor	22~23
Product Specifications	24
Troubleshooting	25


## Warnings




**WARNING**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**WARNING :**  
To reduce the risk of electric shock do not remove cover (or back).  
No user serviceable parts inside. Refer servicing to qualified service personnel.

 The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### WARNING :

To prevent fire or shock hazard, do not expose the set to rain or moisture. Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mark, or damage the Active Matrix LCD permanently.

- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.

### CAUTION:

Do not attempt to modify this product in any way without written authorization. Unauthorized modification could void the user’s authority to operate this product.

### Power

This set operates on a DC supply provided by the AC-DC adaptor, the voltage is as indicated on the label on the back cover. Use only the AC-DC adaptor supplied with the set and never apply an AC mains to the set directly. The AC-DC adaptor operates on an AC mains supply, the voltage is as indicated on the label of the AC-DC adaptor.

- a. Connect the DC plug of the AC-DC adaptor to the 12V socket of the set.
- b. Connect the AC-DC adaptor and its power cord.
- c. Connect the power cord to an AC mains.

In the event of thunderstorms or power cuts, please pull out the mains plug of the AC-DC adaptor and the aerial plug. Do not allow anything to rest upon or roll over the power cord, and do not place the set where the power cord is subject to damage.

## Warnings

### Service

Never remove the back cover of the set as this can expose you to high voltage and other hazards. If the set does not operate properly, unplug it and call NEC service centre.

### Aerial

Connect the aerial cable to the socket marked Ant. on the back. For the best reception an outdoor aerial should be used.

### 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.

### Cleaning

Unplug the set before cleaning the face of the LCD Screen. Dust the set by wiping the screen and the cabinet with a soft, clean cloth.

If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid cleaners or aerosol cleaners.

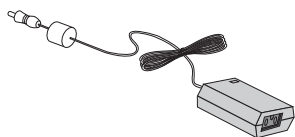
### Image Persistence

Avoid displaying fixed pattern on the monitor for long periods of time to avoid image persistence.

## Supplied Accessories

■ Make Sure the following accessories are provided with Product.

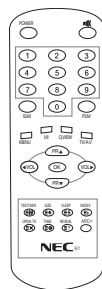
1. DC Adaptor



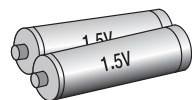
2. AC Cord



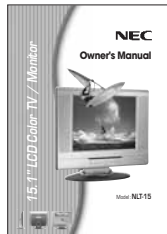
3. Remote control



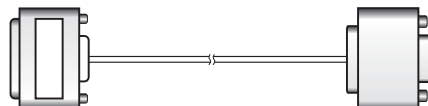
4. Batteries (AAA type)



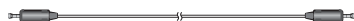
5. Owner's manual



6. PC IN cable



7. PC Audio IN cable



## Controls

### <<CONTROLLER OF PANEL>>

#### 1. MENU

Displays a menu.

#### 2. ▼ PR ▲ (Programme Up/Down)

Selects a programme or a menu item.

#### 3. POWER STANDBY INDICATOR

Illuminates red when the TV is in standby mode. / Illuminates green when the TV is switched on.

#### 4. POWER

Switches TV set on or off.

#### 5. Remote control sensor

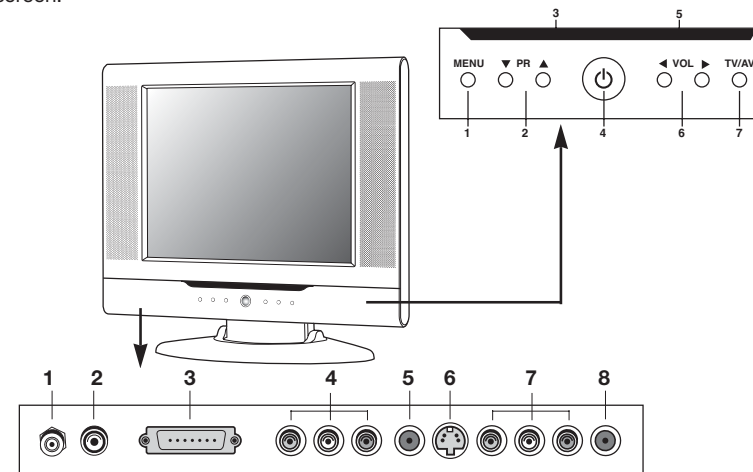
Accepts the IR signal of remote controller.

#### 6. ◀VOL▶ (Volume Up/Down)

Adjusts the volume. / Adjusts menu settings.

#### 7. TV/AV

Selects TV, COMPONENT, VIDEO, S-VIDEO or PC mode / Clears the menu from the screen.



#### 1 Ant. (Antenna input)

#### 2. DC12V adaptor input

#### 3. PC/DTV INPUT

#### 4. COMPONENT INPUT

#### 5. HEADPHONE out

Connect a headphone to this socket.

#### 6. S-VIDEO Input

Connect the output of an S-VIDEO VCR to the S-VIDEO input.

Connect the audio outputs of an S-VIDEO VCR to the AV-IN audio inputs.

#### 7. A/V-IN Inputs

Connect the Audio/Video outputs of external equipment to these inputs.

#### 8. PC Audio IN

Connect the audio cable from the PC to the PC Audio IN of the set.

# Controls

All the functions can be controlled with the remote controller handset. Some functions can also be adjusted with the buttons on the front panel of the set.

## Remote controller

Before you use the remote controller, please install the batteries.

### 1. POWER

Turns the TV on from standby or off to standby.

### 2. MUTE

Turns the sound on or off.

### 3. NUMBER buttons

Selects programme numbers

### 4. PSM (Picture Status Memory)

Recalls your preferred picture setting.

### 5. SSM(Sound Status Memory)

Recalls your preferred sound setting.

### 6. TV/AV

Selects TV, COMPONENT, VIDEO, S-VIDEO or PC mode.  
Clears the menu from the screen.

### 7. MENU

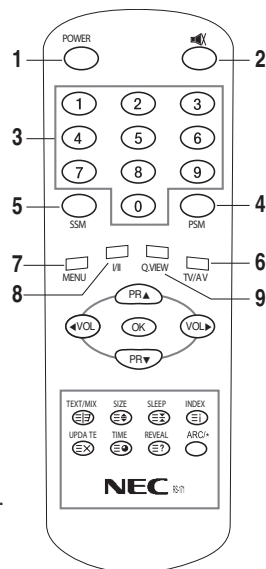
Displays a main menu.

### 8. I/II

Selects the language during dual language broadcast.  
Selects the sound output.

### 9. Q.VIEW

Returns to the previously viewed Programme.



# Controls

### 10. PR▲▼ (Programme Up/Down)

Selects next programme or a menu item.

### 11. OK

Accepts your selection or displays the current mode.

### 12. VOL◀▶ (Volume Up/Down)

Adjusts the sound level.

### 13. SLEEP

Sets the sleep timer.

**Note :** In teletext mode, the **SLEEP** is used for teletext function.

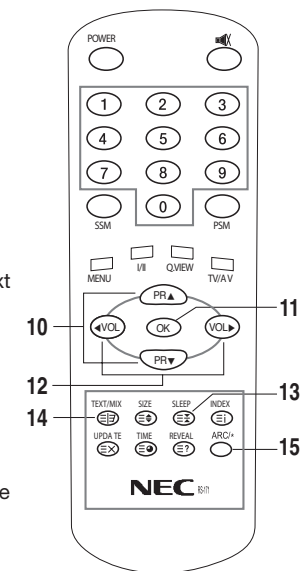
### 14. TELETEXT buttons

These buttons are used for teletext.  
For further details, see the 'Teletext' section.

### 15. ARC/\* (Aspect Ratio Control)

Selects a screen mode.- 4:3,16:9 or ZOOM.

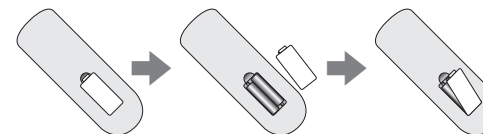
※ Only the ARC/\* button is operated at LCD 17" Wide (NEC NLT-17W).



## Battery Installation

### ■Inserting batteries

1. Pull the battery cover upward in the arrow direction to remove.
2. Insert the batteries with correct polarity.
3. Put the battery cover back.



\* Apply two 1.5V alkaline batteries of AAA type. Don't mix the used batteries with new batteries.

\* Remove batteries when you don't use the remote control for long time. Liquid leakage from old battery may cause operation failure.

### ■Notes for using remote control

- ✓ Make sure there are no objects between the remote control and its sensor.
- ✓ Don't place the remote control near a heater or damp place. Strong impact on remote control may cause operation failure.
- ✓ Signal from the remote control may be disturbed by sun light or other strong light. In this case, turn the set to other direction.

# Installation

## Installation Options

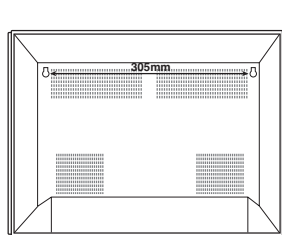
\* You can install the TV on a wall or place it on a table-like surface.

\* To eliminate any risk of injury from the TV falling, it should be mounted securely.

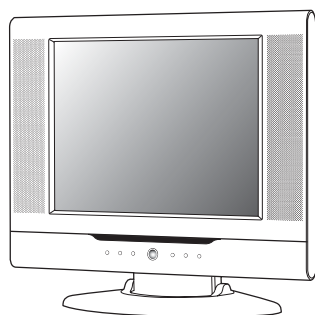
### 1. Wall Installation

Caution: Do not install the TV on a weak wall surface, like plaster etc. It is not needed any bracket or installation accessory with the exception of 2 nails or screws. Distance of holes of back panel is 305mm,

- Drive 2 nails or screws on the wall, in the location you want to install the TV.
- Hang the TV on the nails or screws.



### 2. Desktop Installation



# Basic Operation

## Turning the TV On and Off

Standby Setup: The AC-DC converter and the AC power cord must be set up and connected to have the TV in standby mode ready to be turned on.

Press the power button on the front panel of the TV to go into standby mode.

- If the TV is in standby mode, press the Power button on the remote controller or the TV itself to turn the TV on.
- Press the Power button again on the remote controller or the TV itself to turn the TV off.

**Note** : If the TV is on and the power button is pressed to turn the TV off, the TV goes into standby mode.

## Programme selection

You can select a Programme number with the PR▲▼ button or NUMBER buttons.

## Volume adjustment

Press the VOL◀▶ button to adjust the sound level.

## Quick view

Press the Q.VIEW button to view the last channel you were watching.

## Sound mute function

Press the MUTE button. The sound is switched off and the mute display appears.

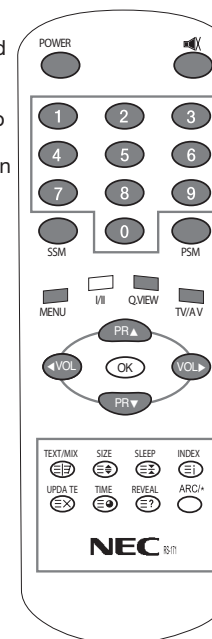
To cancel mute mode, press the MUTE button again, VOL◀▶ or SSM button.

## On screen menu language selection

The menu can be displayed on the screen in desired language.

First select your language.

- Press the **MENU** button.
- Select the **Setup** menu.  
Then press the VOL◀▶ button.
- Select the **Language** menu.
- Press the PR▲▼ button to select your desired language.
- Press the **TV/AV** button.  
All the on screen displays will appear in the selected language.



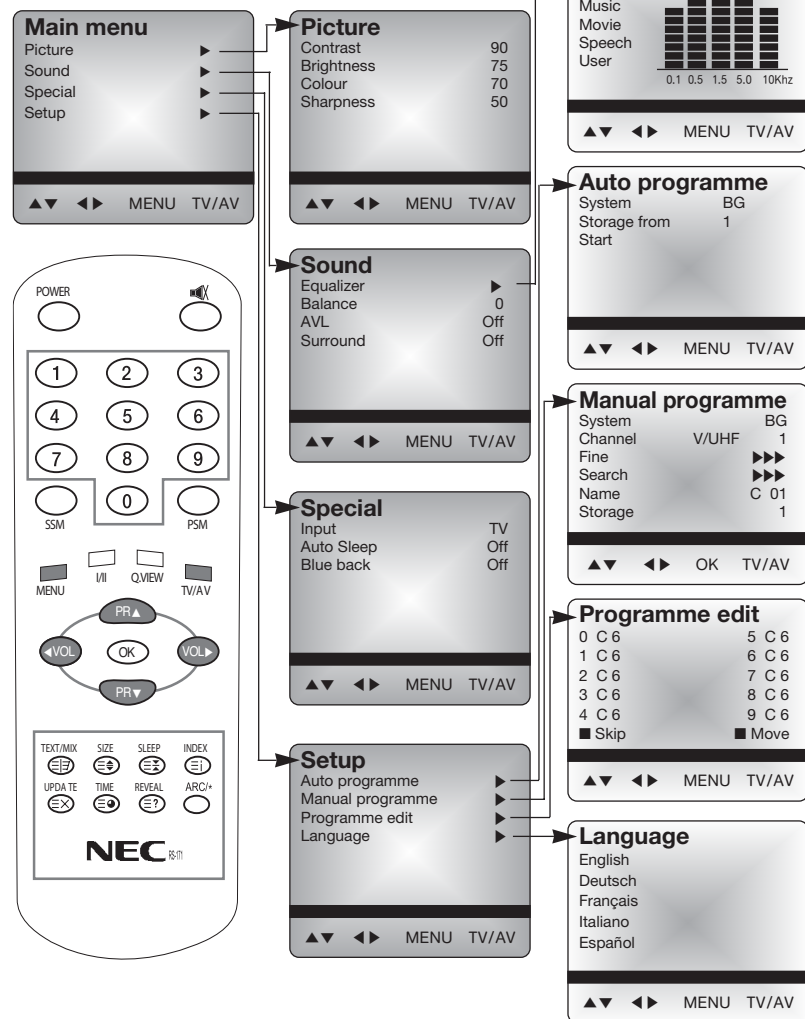
### Language

English  
Deutsch  
Français  
Italiano  
Español

▲▼ ◀▶ MENU TV/AV

# On Screen Display

1. Press the **MENU** button to display main menu.
2. Press the **PR ▲▼** button to select menus-Picture, Sound, Special, Setup.
3. Adjust each menu with the **VOL ◀▶** button.
4. Press the **MENU** button to return to preceding menu.
5. Press the **TV/AV** button to finish adjusting menu.



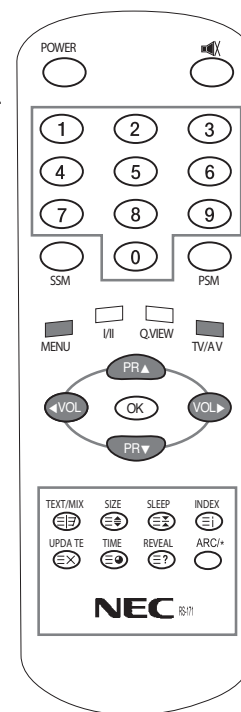
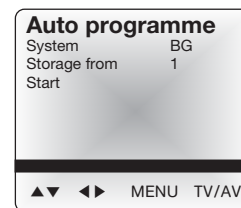
# Setting up TV Programme

Up to 100 TV Programmes can be stored in this set by programme numbers. Once you have preset the programmes, you will be able to use the **PR ▲▼** or **NUMBER** button to scan the programmes you programmed. Programmes can be tuned using automatic or manual modes.

## Auto programme

All Programmes that can be received are stored by this method. It is recommended that you use auto programme during installation of this set.

1. Press the **MENU** button.
2. Select the **Setup** menu. Then press the **VOL ◀▶** button.
3. Select the **Auto programme** menu. Then press the **VOL ◀▶** button.
4. Press the **PR ▲▼** button to select **System**.
5. Select a TV system with the **VOL ◀▶** button;
  - BG** : (Germany/Asia/M.East/Africa/Australia)
  - I** : (UK/Hong Kong/South Africa)
  - DK** : (CIS/China/East Europe)
  - M** : (USA/Korea/Philippines)
6. Press the **PR ▲▼** button to select **Storage from**.
7. Select the beginning programme number with the **VOL ◀▶** button or **NUMBER** buttons.
8. Select Start, then press the **VOL ◀▶** button. Press Menu button to finish Auto programme.
9. Press the **TV/AV** button to return to normal TV viewing.



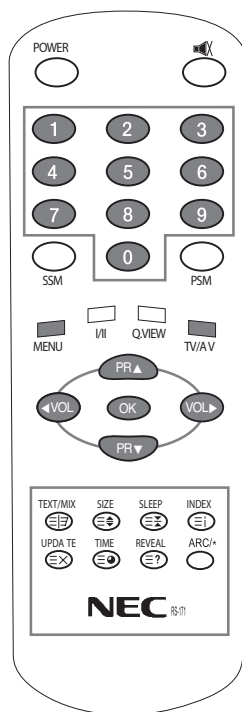
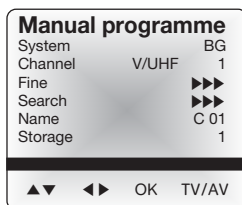


## Setting up TV Programme

### Manual programme

Manual programme lets you manually tune and arrange the Programme in whatever order you desire. Also you can assign a Programme name with five characters to each programme number.

1. Press the **MENU** button.
2. Select the **Setup** menu. Then press the **VOL◀▶** button.
3. Select **Manual programme**. Then press the **VOL◀▶** button.
4. Press the **PR▲▼** button to select **System**.
5. Select a TV system with the **VOL◀▶** button.
  - BG** : (Germany/Asia/M.East/Africa/Australia)
  - I** : (UK/Hong Kong/South Africa)
  - DK** : (CIS/China/East Europe)
  - M** : (USA/Korea/Philippines)
6. Press the **PR▲▼** button to select **Channel**.
7. Press the **VOL◀▶** button to select **V/UHF** or **Cable** as required. If possible, select the programme number directly with the number buttons.
8. Press the **PR▲▼** button to select **Search**. Press the **VOL◀▶** button to commence searching. If a Programme is found the search will stop.
9. Press the **PR▲▼** button to select **NAME**, Press the **VOL◀▶** button to allocate the location and use **PR▲▼** button to select the character. (blank, +, -, Alphabet A to Z, Numeric 0 to 9)
10. If this Programme is the one required, press the **PR▲▼** button to select **Storage**. Select the desired programme number with the **VOL◀▶** button or **NUMBER** buttons.
11. Press the **OK** button to store it. The display **Stored** will appear. To store another Programme, repeat steps 5 to 11.
12. If the TV picture reception is not good, then do the fine tuning. Select **FINE**, then adjust the received signal with the **VOL◀▶** button.

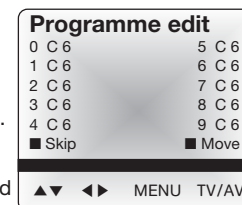


## Setting up TV Programme

### Programme edit

This function enables you to delete or skip the stored programmes.

1. Press the **MENU** button.
2. Select the **Setup** menu. Then press the **VOL◀▶** button.
3. Press the **PR▲▼** button select **Programme edit** Then press the **VOL◀▶** button.
4. Select the programme name to edit with the **PR▲▼** and **VOL◀▶** button.

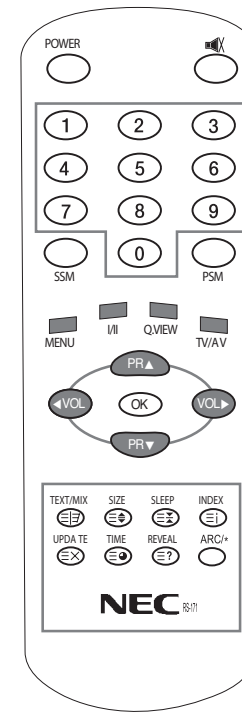


### Skipping a Programme

1. Select a number to be skipped with the **PR▲▼** or **VOL◀▶** button.
2. Press the **Green** button. The skipped programme turns to blue.
3. Press the **Green** button again to release the skipped programme.
4. Press the **TV/AV** button to return to normal TV viewing.

### Moving a programme

1. Select a programme to be moved with the **PR▲▼** or **VOL◀▶** button.
2. Press the **Yellow** button.
3. Move the programme to desired programme number with the **PR▲▼** or **VOL◀▶** button.
4. Press the **Yellow** button again to release this function.
5. Press the **TV/AV** button to return to normal TV viewing.

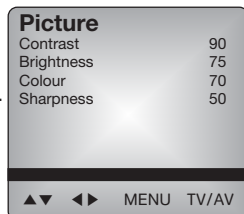


# Picture Control

You can adjust picture Contrast, Brightness, Colour Sharpness and Tint to the levels you prefer.

## Manual Picture Control

1. Press the **MENU** button.
2. Select the **Picture** menu. Then press the **VOL**◀▶ button.
3. Press the **PR**▲▼ button to select a picture item.
4. Press the **VOL**◀▶ button to adjust the picture condition as you want.
5. Press the **TV/AV** button to store for the picture User.



Selected Item	Setting Change
Contrast	More darkness VOL◀ 0~100 ▶VOL More light
Brightness	Less bright VOL◀ 0~100 ▶VOL More bright
Colour	Lower color intensity VOL◀ 0~100 ▶VOL Higher color intensity
Sharpness	Soft picture VOL◀ 0~100 ▶VOL Sharp picture

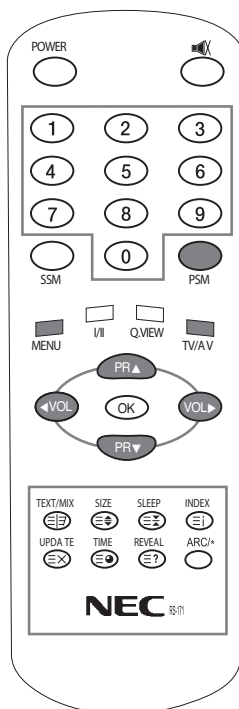
\* Tint menu only appears at NTSC signal.

## Auto Picture Control PSM (Picture Status Memory)

1. Press the **PSM** button.
  2. Press the **PSM** button repeatedly to select [PSM].
  3. Press the **OK** button.
- Each press of the button changes the screen display as below.

Dynamic → Standard → Mild → Game → User

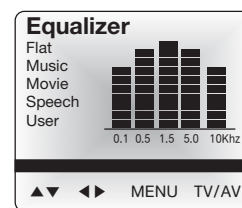
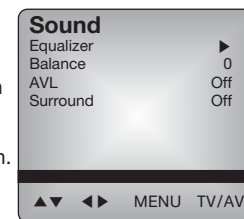
- **Dynamic** : Vivid Picture Appearance
- **Standard** : Standard Picture Appearance
- **Mild** : Softer Picture Appearance
- **Game** : External Video Game Picture Setup
- **User** : Manual Picture Setup



# Sound Control

You can select your preferred sound setting; Flat, Music, Movie or Speech and you can also adjust the sound frequency of equalizer, balance. If you switch AVL to on, the set automatically keeps on an equal volume level even if you change programmes.

1. Press the **MENU** button.
2. Select the **Sound** menu. Then press the **VOL**◀▶ button.
3. Press the **PR**▲▼ button to select the desired sound item; **Equalizer**, **Balance**, **AVL** or **Surround**.
4. Press the **VOL**◀▶ button to make desired adjustment.



5. At Equalizer selection, press the **PR**▲▼ button to select your preferred setting ; **Flat**, **Music**, **Movie**, **Speech** or **User**. To set the **Equalizer User**.
  - a. Select **User** by pressing the **PR**▲▼ button.
  - b. Select a sound band by pressing the **VOL**◀▶ button.
  - c. Make appropriate sound level with the **PR**▲▼ button.
  - d. Press the **MENU** button to return to preceding **MENU** and the **TV/AV** button to return to normal TV viewing.

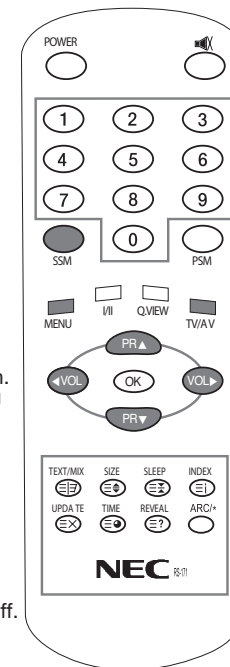
\* The sound **Flat**, **Music**, **Movie** and **Speech** are programmed for good sound reproduction at the factory and cannot be changed.

6. Select the Balance menu and adjust the balance of speakers.
7. Select the AVL(Automatic Volume Leveler) menu On or Off.
8. Select the Surround menu On or Off.

## Auto Sound Control SSM (Sound Status Memory)

1. Press the **SSM** button.
  2. Press the **SSM** button repeatedly to select [SSM].
  3. Press the **OK** button.
- Each press of the button changes the screen display as below.

Flat → Music → Movie → Speech → User





## Other functions

### TV, COMPONENT, VIDEO and S-VIDEO modes

(You can't set PC mode in this menu. Use the TV/AV button) Inputs can be set for COMPONENT, VIDEO or S-VIDEO mode. The COMPONENT, VIDEO or S-VIDEO mode is used when a video cassette recorder (VCR), or other equipment is connected to the set.

**Note** : When a VCR is connected to the aerial socket the set is used in TV mode. See the Connection of external equipment section.

1. Press the **MENU** button.
2. Select the **Special** menu.
3. Press the **PR▲▼** button to select Input.
4. Press the **VOL◀▶** button to select **TV, COMPONENT, VIDEO, S-VIDEO**.

**COMPONENT** : COMPONENT OUT connected to the COMPONENT INPUT of the set.

**VIDEO** : VIDEO OUT connected to the VIDEO input of the set.

**S-VIDEO** : S-VIDEO OUT of VCR connected to the **S-VIDEO** input of the set.

Alternatively you can select the TV, COMPONENT, VIDEO, S-VIDEO or PC mode by pressing the TV/AV button.

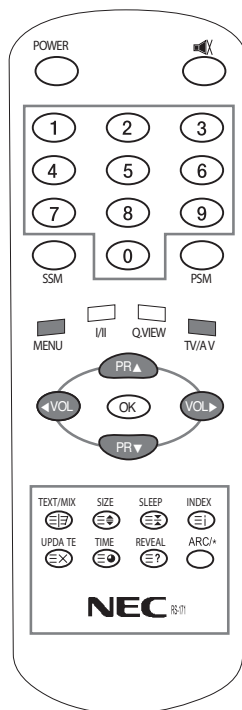
### Auto sleep

If you select **Auto sleep On** the set will automatically switch itself to standby mode approximately ten minutes after a TV Channel stops broadcasting.

1. Press the **MENU** button.
2. Select the **Special** menu. Then press the **VOL◀▶** button.
3. Press the **PR▲▼** button to select **Auto sleep**.
4. Press the **VOL◀▶** button to select **On**.
5. Press the **TV/AV** button to return to normal TV viewing.

### Blue back

No signal channel is expressed as a blue screen.



## Other functions

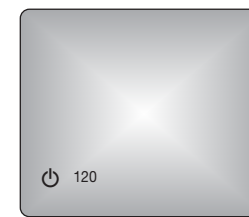
### Sleep timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time elapses.

Press the **SLEEP** button to select the number of minutes.

The display will appear on the screen, followed by **0, 10, 20, 30, 60, 90, 120, 180** and **240**. The timer begins to count down from the number of minutes selected.

- Note** : a. To view the remaining sleep time, press the **SLEEP** button once.
- b. To cancel the sleep time, repeatedly press the **SLEEP** button until it displays "0".



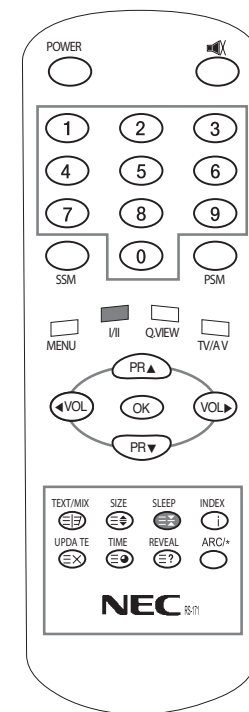
### Sound output selection

In VIDEO mode, you can select output sound for the left and right loud-speakers. Repeatedly press the **I/II** button to select the sound output.

**L+R** : Audio signal from audio L input is sent to left loud-speaker and audio signal from audio R input is sent to right loud-speaker.

**L+L** : Audio signal from audio L input is sent to left and right loud-speakers.

**R+R** : Audio signal from audio R input is sent to left and right loud-speakers.



# Teletext

## TEXT On/Off

Press the TEXT/MIX button to switch to teletext. The initial page or last selected page appears on the screen. Two page numbers, TV Programme name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.

1. Press **TEXT/MIX** button once to set the TEXT mode.
2. Press **TEXT/MIX** button once more displays the teletext pages superimposed on the TV picture.
3. Press the **TEXT/MIX** button to switch off teletext. Text mode is off and TV mode appears.
4. If you press **TEXT/MIX** button repeatedly displays are changed as below.

**TEXT → MIX → TV mode**



## TOP text

The user guide displays four fields—red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

### Group/block/page selection

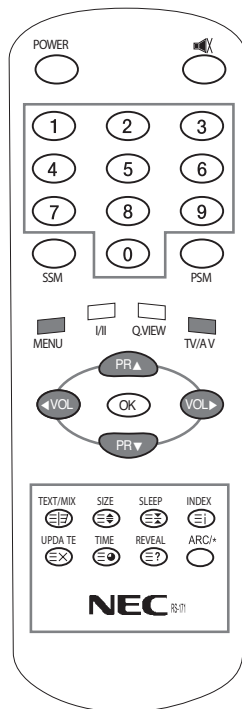
1. With the BLUE button you can progress from block to block.
2. Use the YELLOW button to proceed to the next group with automatic overflow to the next block.
3. With the GREEN button you can proceed to the next existing page with automatic overflow to the next group. Alternatively the **PR▲** button can be used.
4. The RED button permits to return to previous selection. Alternatively the **PR▼** button can be used.

## FLOF text

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

### Page selection

1. Press the **≡|** button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. The **VOL◀▶** button can be used to select the preceding or following page.



# Teletext

## Special Teletext functions

MENU		Functions
	<b>TEXT/MIX</b>	Changes teletext mode ; only teletext mode, text mode superimposed on the TV picture, TV mode
	<b>SIZE</b>	Selects double height text. Press this button to enlarge the top half of the page. Press this button again to enlarge the bottom half of the page. Press this button again to return to the normal display.
	<b>HOLD</b>	Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inhibited. To continue press this button again.
	<b>INDEX</b>	Return to index page
	<b>UPDATE</b>	Displays the TV picture on the screen while waiting for the new teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available then display will change to the page number. Press this button to view the updated teletext page.
	<b>TIME</b>	When viewing a TV programme, press this button to display the time at the top right hand corner of the screen. Press this button again to remove the display. In teletext mode press this button to select and hold or change a four digit sub page number. This is displayed along the bottom of the screen. Press this button again to exit this function.
	<b>REVEAL</b>	Press this button to display the concealed information, such as solutions of riddles or puzzles. Press this button again to remove the information from the display.

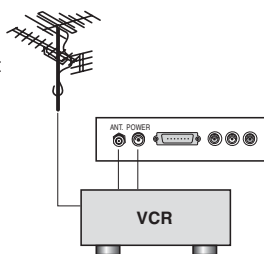
## External Equipment Connection

When connecting to external equipment, please ensure you turn the main switch OFF to prevent any damage to the equipment.

You can connect additional equipment, such as VCRs, camcorders etc. to your set. Examples are shown below.

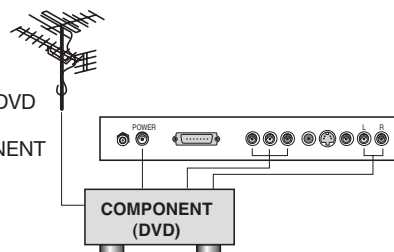
### Antenna connection

1. Connect RF out on the VCR to the Antenna input on the rear of the TV.
2. Connect the antenna cable to the antenna in jack on the VCR.
3. Press the TV/AV button to select Antenna input source.
4. Press the PLAY button on the VCR.



### COMPONENT INPUT

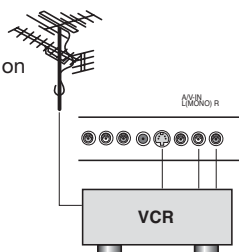
1. Connect the Video outputs (Y Cb Cr) on a DVD to the COMPONENT on the TV.
2. Press the TV/AV button to select COMPONENT mode.
3. Press the PLAY button on the DVD.



### A/V INPUT

1. Connect the A/V out jacks on a VCR to A/V-IN jacks on the TV.
  2. Press the TV/AV button to select VIDEO mode.
  3. Press the PLAY button on the VCR.
- The VCR playback picture appears on the TV screen.

**Note :** If you have a mono VCR, connect the audio cable from the VCR to the L(MONO) socket of the set.

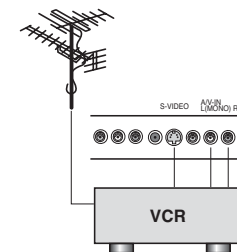


## External Equipment Connection

### S-VIDEO INPUT

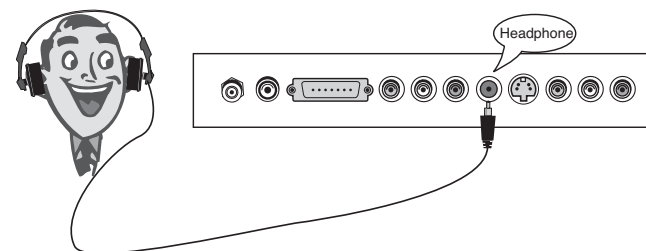
If using an S-VIDEO source, the picture quality will be improved over a video source.

1. Connect the S-VIDEO output of a VCR to the S-VIDEO input on the TV.
  2. Connect the audio cables from the S-VIDEO VCR to the L (MONO) R inputs on the TV.
  3. Select S-VIDEO mode by pressing the TV/AV button repeatedly.
  4. Press the PLAY button on the VCR.
- The VCR playback picture appears on the screen.



### Headphone jack

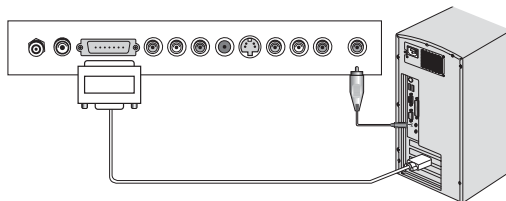
Insert the headphone plug to the headphone jack on the TV. You can listen to the sound through the headphone; no sound from the speaker on the TV. To adjust the headphone volume, press the VOL ◀▶ button. If you press the MUTE button, the sound from the headphone is turned off.



## Connecting PC as monitor

### VGA/DTV INPUT

1. Connect the VGA IN cable (D sub jack) from the monitor output socket of the PC to the PC/DTV input socket of the set.
2. Connect the **Audio cable** from the PC to the **PC Audio IN** of the set.
3. Press the **TV/AV** button to select **PC** mode.
4. Switch on the PC, and the PC screen appears on the set.



The set can be operated as the PC monitor.

### Resolution

Mode	Resolution	Horizontal frequency (KHz)	Vertical frequency (Hz)
VGA	640X480	31.5 KHz	60 Hz
	640X480	35 KHz	67 Hz
	640X480	37.9 KHz	72 Hz
	640X480	37.5 KHz	75 Hz
	640X480	43.5 KHz	85 Hz
SVGA	720X400	31.5 KHz	70 Hz
	800X600	35.2 KHz	56 Hz
	800X600	37.9 KHz	60 Hz
	800X600	48.1 KHz	72 Hz
	800X600	46.9 KHz	75 Hz
XGA	800X600	53.7 KHz	85 Hz
	1024X768	48.4KHz	60Hz
	1024X768	56.5 KHz	70 Hz
	1024X768	60.2 KHz	75 Hz
	1024X768	68.7 KHz	85 Hz

HDTV	576p	50Hz
	1080i	50Hz

### Note:

- If the set is cold, there may be a small "flicker" when the set is switched on. This is normal, there is nothing wrong with the set.
- Some dot defects may appear on the screen, like Red, Green or Blue spots. However, this will have no impact or effect on the monitor performance.
- When resolutions are displayed that are not native to the panel resolution, text may appear choppy or lines may appear to be bold or thicker than others. To minimize, choose a resolution similar to the panel.

## Connecting PC as monitor

### Picture adjustment

You can adjust picture Contrast, Brightness, Temperature, Horizontal/Vertical position, Clock, Phase, Auto and Reset as you prefer.

1. Press the **TV/AV** button to select the PC mode.
2. Press the **MENU** button.
3. Press the **PR▲▼** button to select the desired picture item.
4. Press the **VOL◀▶** button to make appropriate adjustments.

- ◐ Contrast
- ☀ Brightness
- 🌡 Temperature
- 📏 H-position
- 📏 V-position
- 🕒 Clock
- 📏 Phase
- 🔄 Auto
- 🔄 Reset

#### Contrast

This function is to adjust picture to light/dark.

#### Brightness

This function is to adjust brightness of picture.

#### Temperature

Temperature is a measure of the warmth of the image color.

#### Horizontal Position/Vertical Position

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

#### Clock

This function is to minimize any vertical bars or stripes visible on the screen background. Horizontal screen and centering will also change.

**Note:** Refer to the recommended resolution chart on page 22.

#### Phase

This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

#### Auto

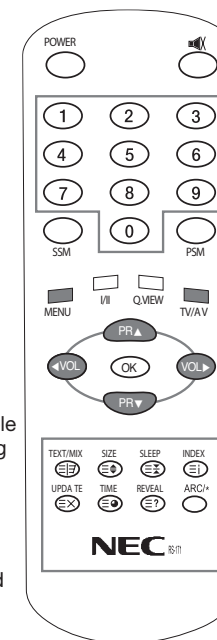
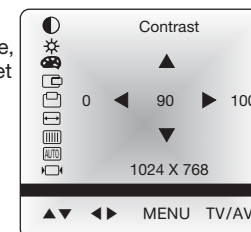
This function is for the automatic adjustment of the screen position, clock and clock phase. The displayed image will disappear for a few seconds while the Auto-configuration is in process.

**Note:** Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, clock and clock phase manually.

#### Reset

This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.

5. Press the **TV/AV** button to store the adjustment.



## Product Spec.

Model	NLT-15			
Main body	Horizontal size	455 mm	Thickness	210 mm
	Height	405 mm	Weight	6.3 kg
Power requirements	DC 12V/3.0A			
Television system	PAL/SECAM-B/G, I, D/K /NTSC-M			
Television programme	VHF: 2~13 UHF :14~69 Cable : 01~125			
Display Panel	LG Philips LCD 15.1" TFTLCD panel			
Power consumption	45W			
External antenna impedance	75Ω			
Audio output	1.5W + 1.5W			
Speaker	8Ω X 2			
External input ports	• A/V IN	• PC IN	• S-VIDEO IN	
	• PC Audio IN		• COMPONENT IN	
	• DC 12V IN		• Antenna IN	
AC Power Adaptor	AC 100-240V, 50/60Hz, Output:12vdc, 3.0A			

• Although the LCD panel uses highly precise technology, it may display blank pixels, dark spots or lighting pixels on the screen. This is normal and not an indication of a defect.

• Technical specifications are subject to change without notice.

## Troubleshooting

Problem	Check item
No picture on screen and no sound from speakers.	<ul style="list-style-type: none"> <li>• Insert the AC power cord plug securely in AC power outlet.</li> <li>• Make sure the LCD TV is not in the standby mode (The POWER/Standby indicator is red.)</li> </ul>
No picture/No picture from AV terminal.	<ul style="list-style-type: none"> <li>• Check the brightness setting of the display.</li> <li>• Lamp may have malfunction.</li> </ul>
Picture is displayed, but no sound from the speakers.	<ul style="list-style-type: none"> <li>• Check the sound setting.</li> <li>• Make sure the sound is not muted.</li> <li>• Make sure the connectors of the optional speaker system are securely inserted.</li> </ul>
Picture is too light.	<ul style="list-style-type: none"> <li>• Make sure COLOR and CONTRAST settings.</li> </ul>
Picture is too dark.	<ul style="list-style-type: none"> <li>• Make sure BRIGHTNESS setting is not set too low.</li> <li>• Check to see if BRIGHTNESS setting.</li> <li>• Lamp may have malfunction.</li> </ul>
Remote control does not work.	<ul style="list-style-type: none"> <li>• Change the batteries.</li> <li>• Make sure the infrared transmitter window is not receiving strong light such as light from fluorescent lamps.</li> </ul>
The TV picture is not sharp. The TV picture moves.	<ul style="list-style-type: none"> <li>• The reception may be weak.</li> <li>• The state of the broadcast may also be bad.</li> <li>• Make sure the antenna is facing the right direction.</li> <li>• Make sure the outside antenna is not disconnected.</li> </ul>
The TV picture is doubled/tripled (Ghosting)	<ul style="list-style-type: none"> <li>• Make sure the antenna is facing the right direction.</li> <li>• There may be reflected electric waves from mountains or buildings.</li> </ul>
The TV picture is spotted.	<ul style="list-style-type: none"> <li>• There may be interference from automobiles, trains, high voltage lines, neon lights, etc.</li> <li>• There may be interference between the antenna cable and power cable. Try positioning them further apart.</li> </ul>
There are stripes on the screen or colors fade.	<ul style="list-style-type: none"> <li>• Is the unit receiving interference from other devices? Transmission antennas of radio broadcasting stations and transmission antennas of amateur radios and cellular phones may also cause interference.</li> <li>• Use the unit as far apart as possible from devices that may cause possible interference.</li> </ul>
Power button does not respond.	<ul style="list-style-type: none"> <li>• Unplug the power cord of the adaptor from the AC outlet to turn off and reset the unit.</li> </ul>
PC image not centered.	<ul style="list-style-type: none"> <li>• Check the horizontal/vertical position setting.</li> </ul>
PC image not clear or has stripes.	<ul style="list-style-type: none"> <li>• Check Clock and phase settings.</li> <li>• Try using 'Auto' function setting.</li> </ul>



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