

NEC

ENGLISH

LCD Television

Model No:NLT-32HDB4

Owner's Manual



Please read this manual carefully before operating the unit,
and retain it for future reference.



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■ FOR LCD TV

Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the monitor's performance. Avoid touching the LCD screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.

On Disposal

- Do not dispose of this product with general household waste.
- Disposal of this product must be carried out in accordance to the regulations of your local authority.

Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Safety Instructions

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
 - Minimum distances(e.g. 10cm) around the apparatus for sufficient ventilation
- “WARNING
- To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture.
 - 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.

Image Persistence

Avoid displaying fixed pattern in the monitor for long period of time to avoid image persistence.
"The marking or retained image on the LCD panel resulting from fixed image use is not an operating defect and as such is not covered by warranty. This product is not designed to fixed image patterns for extended periods of time."

Power Connection

Power Connection

Connect the supplied AC power lead between the AC IN outlet on the LCD TV, located at the rear of the set and conveniently located AC wall outlet.

Installation

■ Power

This set operates on an AC mains supply, the voltage is as indicated on the label on the back cover. In the event of thunderstorms or powercuts, please pull out the aerial and mains plugs.

■ Warning

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

■ Service

Never remove the back cover of the set as this can expose you to very 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 ATV/DTV Tuner on the back cover. For the best reception an outdoor aerial should be used.

■ Location

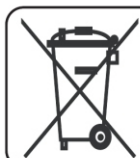
Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on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

■ Wall Mount: Horizontal Installation

When mounting the product on wall or ceiling, be sure to install the product using the designated mounting tool according to the method recommended by the manufacturer.

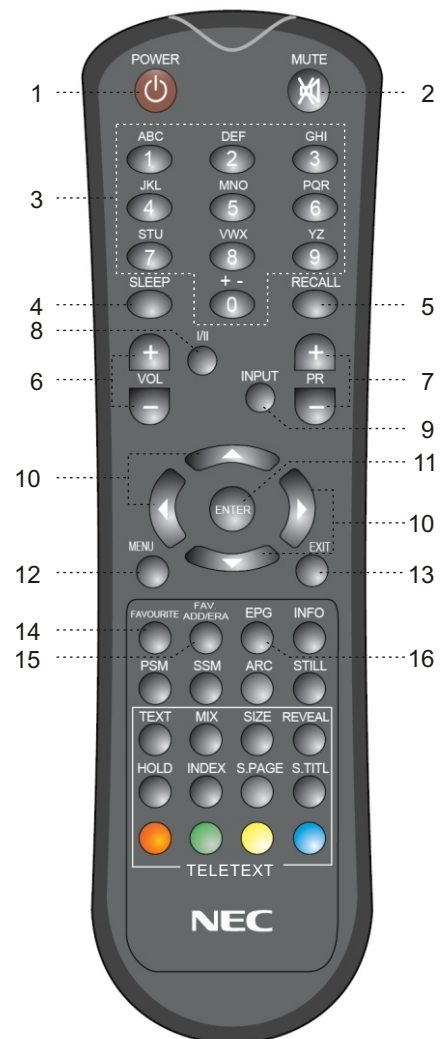


To preserve the Environment,
do not rubbish.

Remote Control

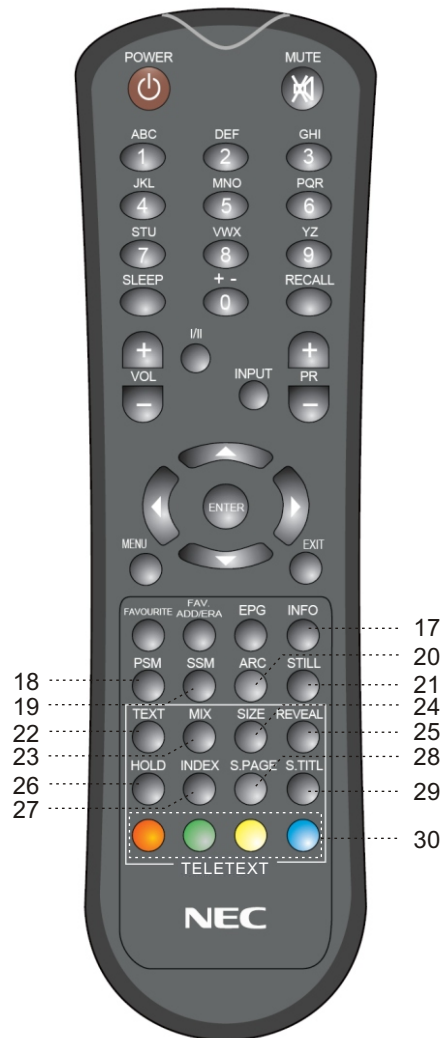
Remote Control

1. POWER(⏻): Press to turn on and off.
2. Mute(⊘): Switches the sound on or off.
3. 0~9 Number Buttons: Press 0~9 to select a channel, and input the password.
4. SLEEP: Press repeatedly until it displays the time in minutes (10,20, 30, 40, 50,60, 90, 120 and Off) that you want the TV to remain on before shutting off. To cancel sleep time, press Sleep button repeatedly until sleep Off appears.
5. Recall: Press to return to previous channel. (Only for TV)
6. VOL +/-: Press to adjust the audio levels.
7. PR+/- (PRO +/-): Press to select the channel forward or backward.
8. I/II: Selects the language during dual language broadcasting. Selects the sound output.
9. INPUT(TV/AV): Press to select the signal source, such as TV, AV, S-Video, YPbPr1, VGA, or HDMI.
10. ^, v, <, >: Press ^, v, <, > to move the on-screen cursor.
11. Enter: Press to enter or confirm.
12. Menu: Press to enter into the on-screen setup menu, press again to exit.
13. EXIT: Press this button to exit in the menu.
14. FAVOURITE: Press to select the favourite channel from list. Press ^ or v to select the channel then press Enter to confirm.
15. FAV Add/Erase: Press to add or delete favourite channels.
16. EPG(Digital TV Timetable): Press to display the (Digital TV Timetable) mode. Press again to exit.
 Red: Press This button to display the EPG "prev day" program information.
 Green: Press This button to display the EPG "next day" program information.
 Yellow: Press This button to browse the EPG program details.
 Blue: Press This button to browse the EPG "Type filter" program information.



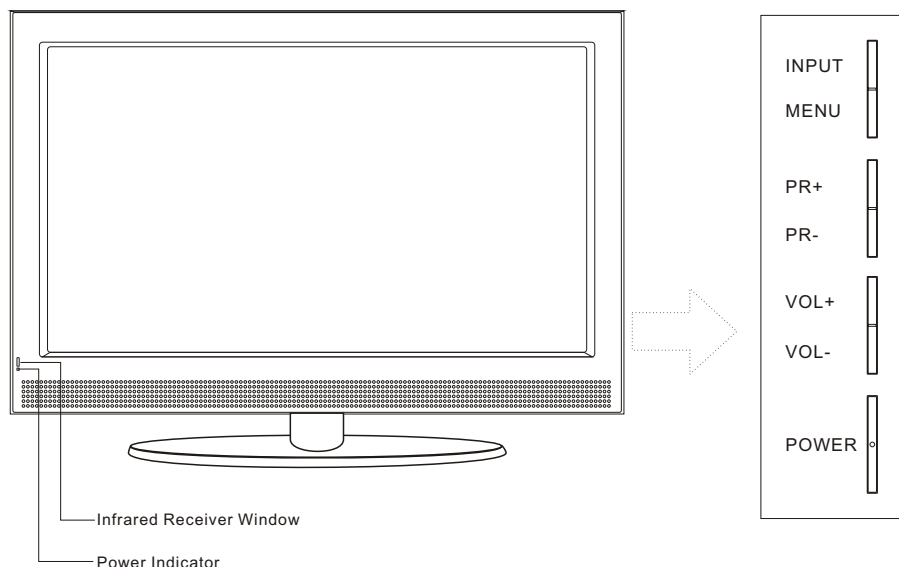
Remote Control

17. INFO: Press to display the channel information; this information disappears after 9 seconds.
18. PSM: Press to cycle through the picture modes: Cinema/Sport/Vivid/Hi-Bright/User.
19. SSM: Press to cycle through the sound modes: Concert/LivingRoom/Hall/Bathroom/Cave/Arena/Church/Off.
20. ARC: Press to change the screen size, such as Auto, Normal, Letterbox.
(Note: inactive for VGA)
21. STILL(Freeze): Press to freeze the picture, press again to restore the picture.
22. TEXT : Press to activate the teletext and press again to deactivate the teletext.
23. MIX: Displays the teletext pages superimposed on the TV picture
24. SIZE: 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.
25. REVEAL: Press to reveal hidden information such as answers to a quiz.
26. HOLD: Press to stop the scrolling of text pages. The text decoder stops receiving data.
27. INDEX (indexing): Return to teletext main menu.
28. S.PAGE: Press to display the sub page (when available).
29. S.TITL: Show the subtitle of diagram text.
30. R/G/Y/B: Press to select the pictures with various colors of text. Different channels display different functions.



Controls Of Side Panel

- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.



Infrared Receiver Window

To receive the signal from remote control.

Power Indicator

To receive the signal from remote control.

Red indicator lighting, this means the TV is in standby mode;

Green indicator lighting, this means the TV is in normal working condition;

INPUT

Select TV, VIDEO, S-VIDEO, YPbPr1, YPbPr2, VGA, HDMI.

Switches the set on from standby.

MENU

Selects a menu.

PR+/PR-(Programme Up/Down)

Selects a programme or a menu item.

Switches the set on from standby.

VOL+/VOL-(Volume Up/Down)

Adjusts the volume.

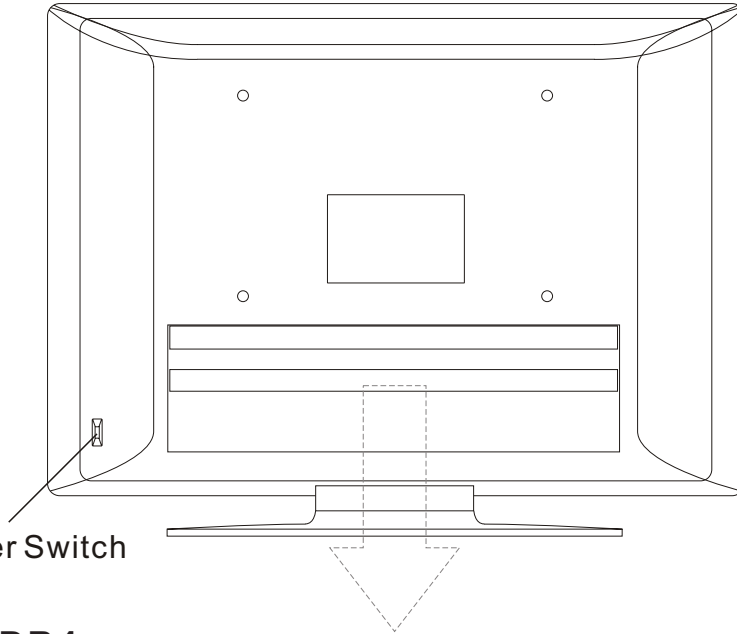
Adjusts menu settings.

POWER()

Switches the set On from standby or On to standby.

Controls Of Back Panel

- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.



Main Power Switch

NLT-32HDB4

HDMI IN	VGA IN	VGA-AUDIO IN	Y ₂ PB ₂ PR ₂ L R	COAXIAL OUT	AV-OUT L R	ATV/DTV TUNER
			Y ₁ PB ₁ PR ₁ L R	S-VIDEO IN	AV-IN L R	

POWER CORD SOCKET

This set operates on an AC power. The volt-age is indicated on the Specifications page. Never attempt to operate the set on Dcpower.

HDMI IN (DVI) SOCKETS

Connect the set output socket of the equipment with HDMI output to this socket.

VGA{1024X768(60Hz)/800X600(60Hz)/640X480(60Hz)/720X400(70Hz)}

Connect the VGA signal of computer with this port by VGA cable, connect audio signalwith VGA's audio input port by audio cable.

VGA-AUDIO

Port for VGA audio input

VGA Connection cannot display 50Hz signal.

COMPONENT1/2 IN (480i / 576i / 480p / 576p / 720p / 1080i) SOCKETS

S-VIDEO IN

Connect video out from an S-Video VCR to the S-VIDEO input.

Connect the S-Video sound input socket of the VCR to component sound sockets of the set.

VIDEO IN SOCKET

Connect the video out sockets of theVCR to AVsockets of the set.

VIDEO OUT SOCKET

Connect a second TV or monitor. This function will only works at TV, VIDEO and S-VIDEO.

SPDIF

Port for TV audio output.

RF

Aerial socket

Basic Operation

Insertion of Batteries:

- Turn over the remote control, press and slide off the battery cover.
- Insert two 1.5V (AAA) batteries into the compartment, take care to observe the \oplus and \ominus markings indicated inside.
- Replace the cover and slide in reverse until the lock snaps.

Range of Remote Control

- Ensure the remote control is pointed towards the remote control window on the display unit.
- No obstacles should be placed between the remote control and the remote control window.
- The effective receiving range for the signal is within 5-8 meters from the front of the remote control window, and 30° to the left or right side and 20° above or below the control window.



Care For Remote Control

- Avoid spilling liquids on the remote.
- Avoid dropping or otherwise jarring the remote.
- Always store the remote control at dry and normal room temperature place.
- If the remote is not performing satisfactorily, replace the batteries. The batteries should be replaced after one year.
- If the remote control will be idled for a long time (over 1 month), please take out the batteries to avoid leakage from the batteries.
- Clean up the entire remote control especially the battery compartment if any leakage found.
- Do not mix different kind of new and used batteries together to avoid leakage.

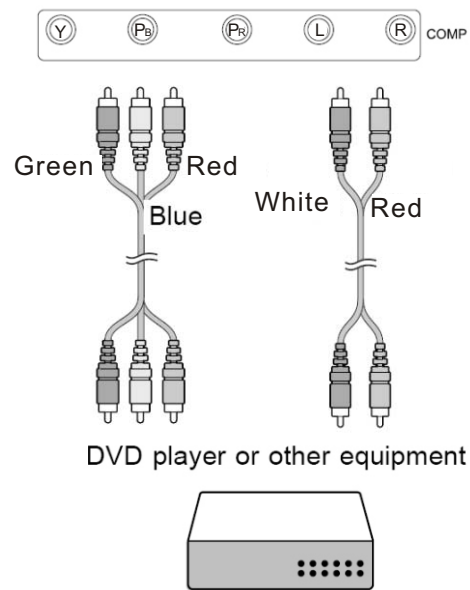
Basic Operation

HDMI IN	VGA IN	VGA-AUDIO IN	Y2 PB2 PR2 L R	COAXIAL OUT	AV-OUT L R	ATV/DTV TUNER
			Y1 PB1 PR1 L R	S-VIDEO IN	AV-IN L R	

Connecting the DVD player or HDTV Set-top box using YPbPr input

Remove power from the LCD (unplug from the wall outlet) and external equipment before connecting cables.

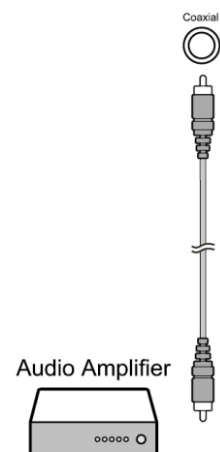
1. Connect the YPbPr output of the DVD or HDTV Set-top box to the YPbPr input of the LCD.
2. Connect the audio output of the DVD player or HDTV Set-top box to the audio input of the LCD.
3. Please ensure the Power Cord is connected before it is operated.
4. Press the POWER to turn on the LCD TV, then turn on external equipment.
5. Press the INPUT button to select YPbPr signal source.
6. Press the ∇ \blacktriangle and Enter to confirm your source selection.



Connecting audio amplifier (for all signal source)

Remove power from the LCD (unplug from the wall outlet) and external equipment before connecting cables.

1. Connect the LCD's COAXIAL OUT to the Audio Amplifier COAXIAL Input terminal by a coaxial cable.
2. Press the POWER to turn on the LCD, then turn on external equipment.
3. Press the INPUT to select signal source, and set the Audio Amplifier to coaxial input mode.

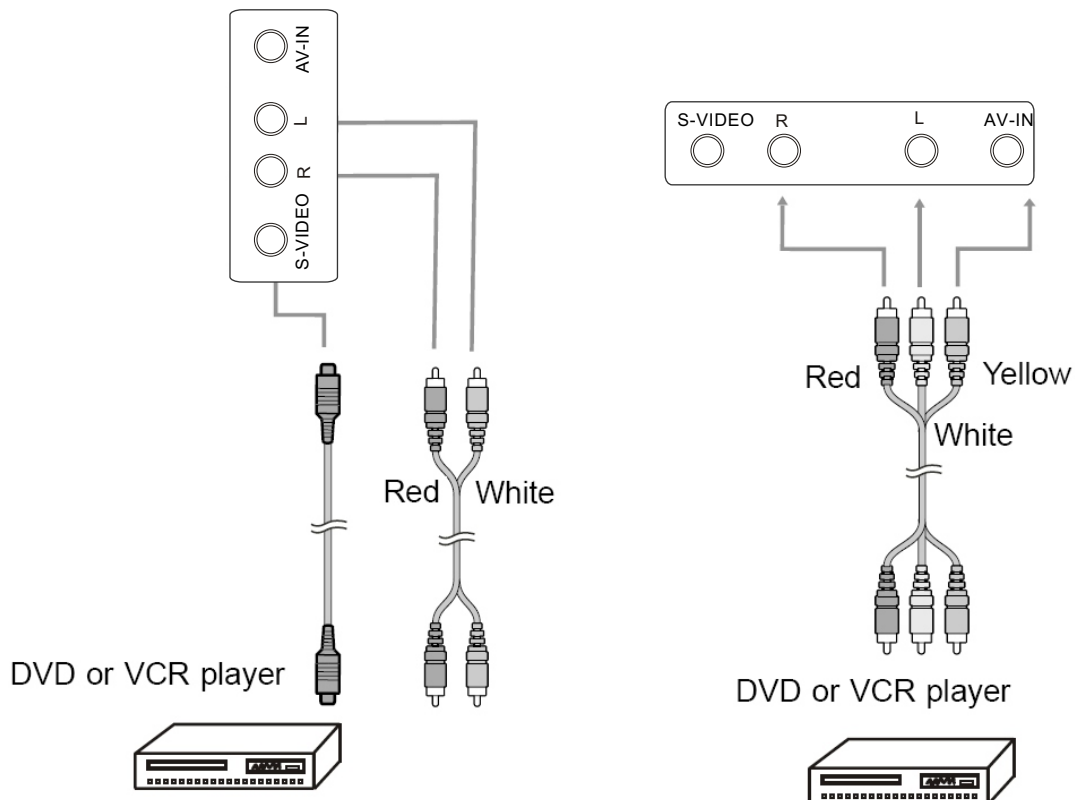


Basic Operation

Connecting the DVD, VCR or other video apparatus using AV and S-VIDEO input

Remove power from the LCD (unplug from the wall outlet) and external equipment before connecting cables.

1. With a S-VIDEO cable connect the LCD to the VCR or other device. S-VIDEO will connect only the video portion (image only) of the signal. With an AUDIO cable (RCA type) connect the AUDIO OUT from the device to the AUDIO IN on the LCD.
2. With an AV cable, connect to the VIDEO input of the LCD to the VCR or other video apparatus. With an AUDIO cable, connect the AUDIO OUT of the VCR or other video apparatus to the AUDIO IN of the LCD.
3. Please ensure the Power Cord is connected before it is operated.
4. Press the POWER to turn on the LCD, then turn on external equipment.
5. To watch the VCR or other video apparatus, please press the INPUT button to select S-VIDEO or AV.
6. Press the ∇ \blacktriangle and Enter to confirm your source selection.
7. AV Audio and S-Video Audio use the same of audio frequency passage.



Basic Operation

How to connect a device using HDMI Connection:

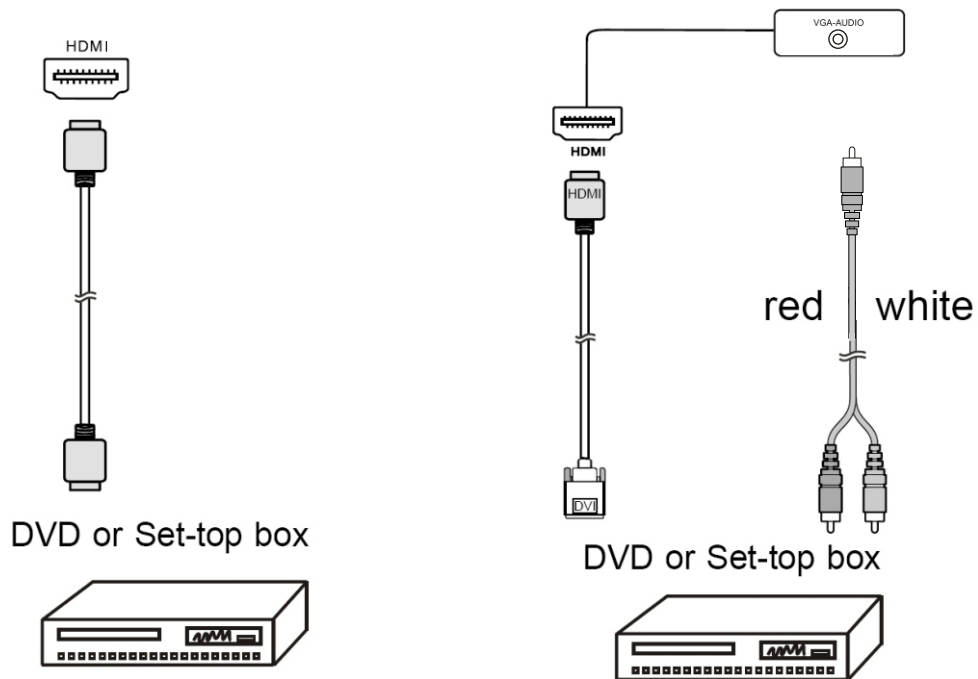
Connect the HDMI cable between the HDMI interface on the unit and HDMI output on the device.

To play from the device using HDMI:

1. Turn on your TV, then press **Source** button. The **Source** menu opens.
2. Press \wedge or \vee to select **HDMI**, then press **OK** to confirm.
3. Turn on your device and set it to the correct mode. See the device's user guide for more information.

Note:

If the external device has DVI output only, use a DVI to HDMI adapter cable to connect to the HDMI terminal. Connect the audio cable to the D-SUB AUDIO IN jack on the TV rear.

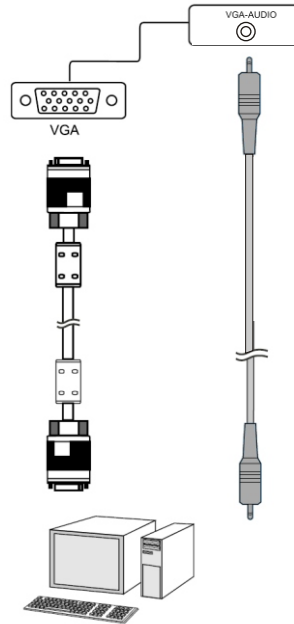


Basic Operation

Connecting the Computer using VGA input


Remove power from the LCD (unplug from the wall outlet) and external equipment before connecting cables.

1. Connect the LCD to the computer with the D-Sub (VGA) cable.
2. Connect the audio output of the computer to the VGA-Audio input on the LCD
3. Please ensure the Power Cord is connected before it is operated.
4. Press the POWER to turn on the LCD, then turn on external equipment.
5. The LCD and Computer are working at the same time. Press the Source button to select VGA signal source.
6. Press the ∇/\wedge and Enter to confirm your INPUT selection.

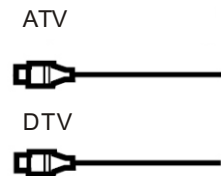


Connecting directly to TV

Remove power from the LCD (unplug from the wall outlet) and external equipment before connecting cables.
Using 75Ω coaxial Aerial: Connect directly to the RF terminal of the tuner.

ATV/DTV Tuner 

or



Basic Operation

Initial Setup Instruction Guide

Please make sure the main power switch is in the "ON" position.

Connect the power and antenna to your television; then turn on the TV. The first time you use your LCD the initial setup menu "Welcome" will appear on the screen:

Operate as follows:

1. Press the Enter button to enter the initial setup menu

2. Press \wedge or \vee button to select "Scan" or "Skip Scan".

3. Press $\>$ or Enter button to confirm your selection.

* When select "Scan", Press $\>$ or Enter button to start the scanning.

* When select "Skip Scan", Press $\>$ or Enter button to skip the scanning.

* Analog Channels will be tune in starting from 900.

4. The Initial Setup menu will read "Complete" after the scanning is finished.

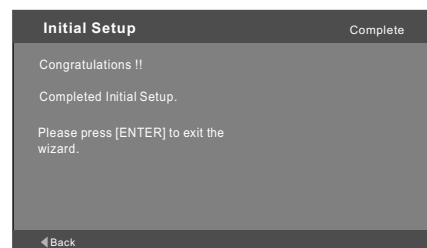
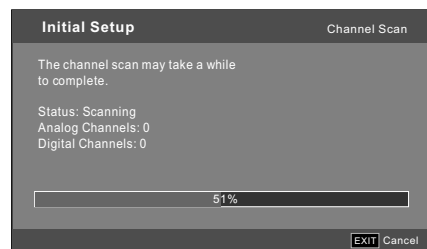
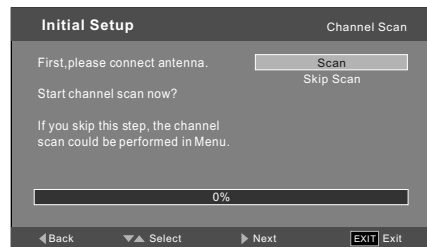
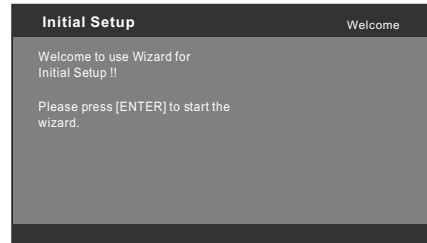
Press the Enter button to exit.

Note: Initial setup is for the TV stations only.

1. If you don't select "Scan" to start the scanning in the initial setup menu "Channel Scan", the process will repeat itself the next time you turn on your television.

2. If you would like to end the scanning process, press the Exit button to exit.

If you would like to scan for stations again, select "Channel Scan" in the TV menu.



Basic Operation

Power ON/OFF: The Display is in Standby mode

Please make sure the main power switch is in the "ON" position.

- Press POWER (⏻) button on the remote control or on the side panel to turn on the unit.

The power indicator changes from red to green.

- Press POWER (⏻) button on the remote control or on the side panel again to return the display to standby mode. The power indicator changes from green to red.

Selection of Input Mode

NOTE: When turning the unit "OFF" using the main power switch, please wait for at least 2 seconds before turning the main power switch to "ON" to allow the unit to reset.

- Press the INPUT button to display the signal source menu.

- press Δ or ∇ button to select the signal source you desired, then press the Enter button to confirm.

Main	
✓	TV
	AV
	S-Video
	YPbPr1
	YPbPr2
	VGA
	HDMI

OSD Option Adjustment

Learning about the menu system

After you have installed the batteries into the remote control, you may want to set some preferences on the PDP using the menu system.

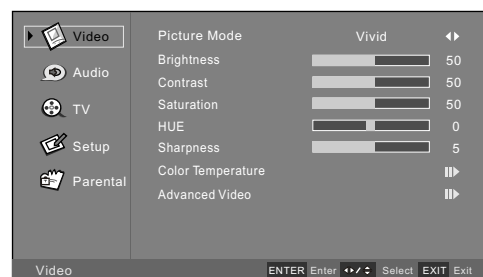
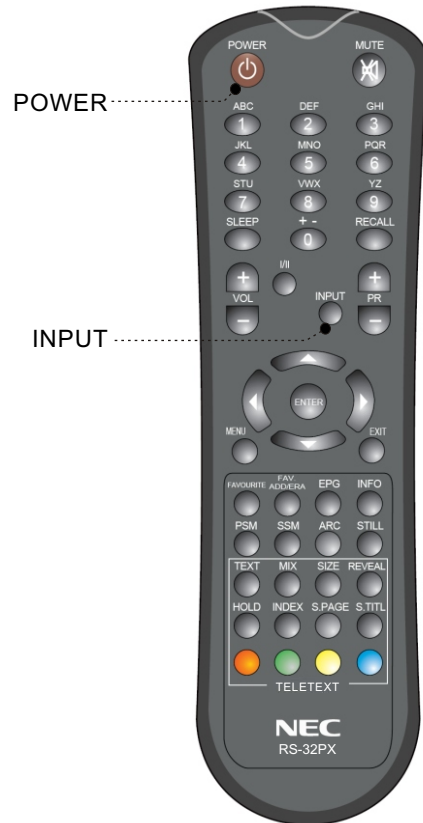
- The buttons for OSD option adjustment include: Menu, Δ , ∇ , \leftarrow , \rightarrow , Enter and Exit buttons.

- Press the Menu button to open the OSD Menu then press Δ or ∇ button to select the pages.

The pages are displayed in the following sequence (circular display):



Note: TV menu page is only for TV mode.

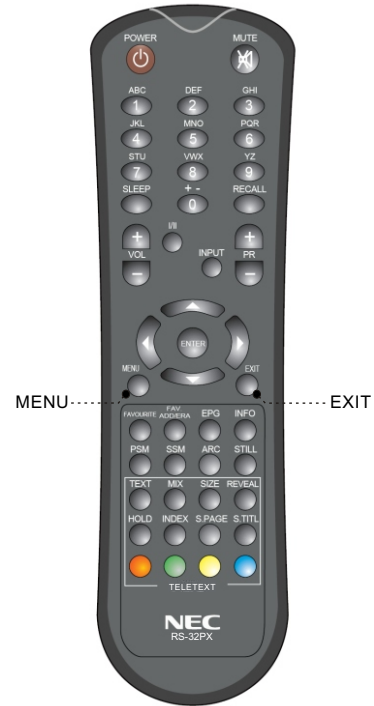


Basic Operation

Press the Menu button on the remote control or on the side panel, it will change in the following sequence:

Main Menu → Menu/exit
 Sub Menu → exit → exit

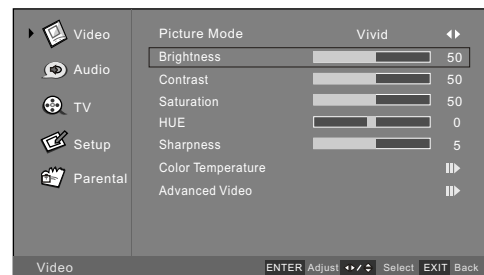
1. Press the Menu button to display the menu system.
2. Press \wedge or \vee button to select the menu pages.
3. Press the Enter or $>$ button to enter.
4. Press \wedge or \vee button to select an item.
5. Press $\wedge, \vee, <, >$ button to select or adjust a setting.
6. If you do not make a selection within several seconds, the main menu closes automatically; the other menus close automatically within several seconds.
7. Press the Menu or Exit button to return or exit OSD menu.



OSD Functions

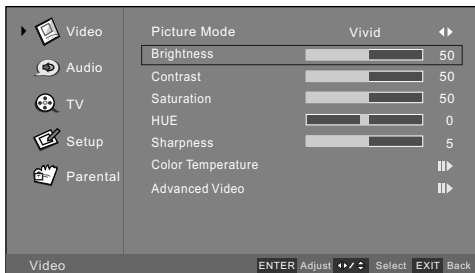
Video Page Menu

1. Press the Menu button, and then press \wedge or \vee to select the "Video" menu.
2. Press $>$ or Enter button to enter the "Video" menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press $<$ or $>$ button to select "User", "Cinema", "Sport", "Vivid", "Hi-Bright".
5. Press the Menu or Exit button to return or exit.

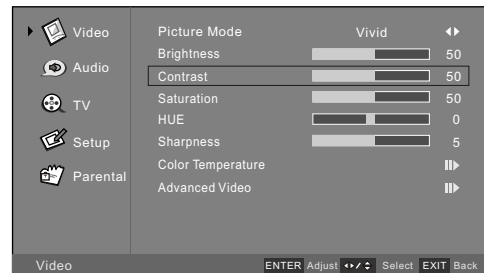


Adjustment of "Brightness" or "Contrast"

1. Press the Menu button, and the "Video" menu appears.
2. Press $>$ or Enter button to enter the "Video" menu.



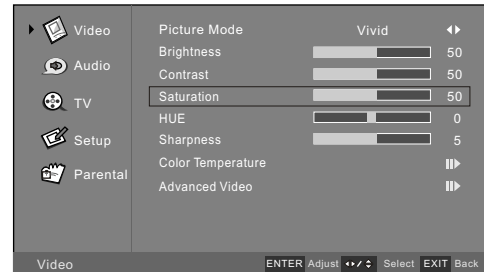
3. Press \wedge or \vee button to highlight your selection.
4. Press $<$ or $>$ button to adjust.
5. Press the Menu or Exit button to return or exit.



6. Basic Operation

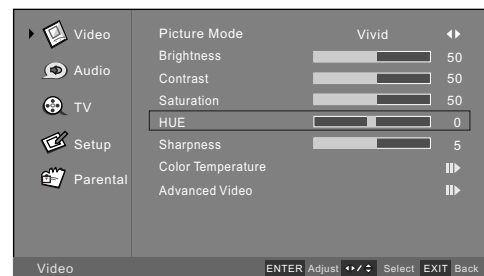
Adjustment of "Saturation" (inactive for VGA)

1. Press the Menu button, and the "Video" menu appears.
2. Press > or Enter button to enter the "Video" menu.
3. Press ^ or v button to highlight your selection.
4. Press < or > button to adjust.
5. Press the Menu or Exit button to return or exit.



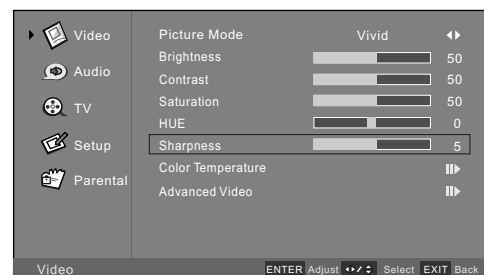
Adjustment of "Hue" (only for NTSC)

1. Press the Menu button, and the "Video" menu appears.
2. Press > or Enter button to enter the "Video" menu.
3. Press ^ or v button to highlight your selection.
4. Press < or > button to adjust.
5. Press the Menu or Exit button to return or exit.



Adjustment of "Sharpness" (inactive for VGA)

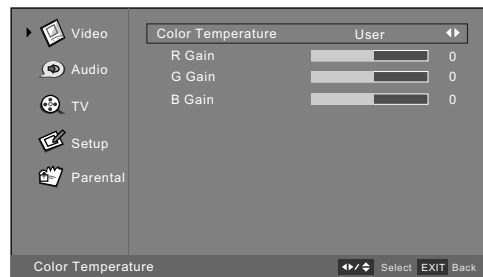
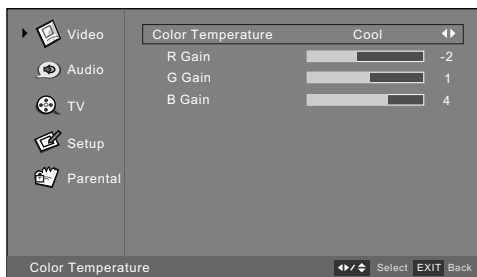
1. Press the Menu button, and the "Video" menu appears.
2. Press > or Enter button to enter the "Video" menu.
3. Press ^ or v button to highlight your selection.
4. Press < or > button to adjust.
5. Press the Menu or Exit button to return or exit.



Basic Operation

Selection of "Color Temperature"

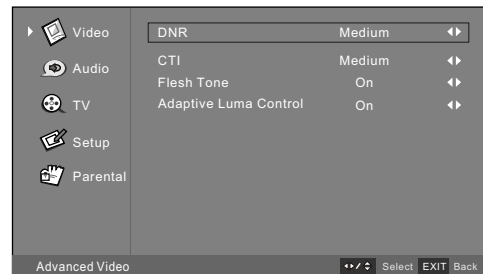
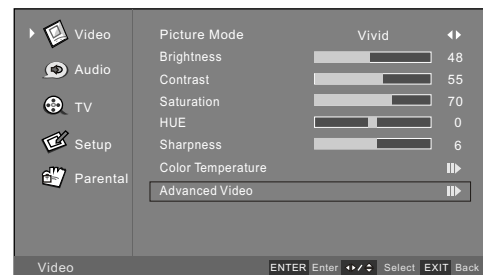
1. Press the Menu button, and the "Video" menu appears.
2. Press > or Enter button to enter the "Video" menu.
3. Press ^ or v button to highlight your selection.
4. Press > or Enter button to enter the sub-menu.
5. Press < or > button to select one of "Cool", "Standard", "Warm" or "User" for balance of whitening.
6. Press the Menu or Exit button to return or exit.



If you adjust one item of "R Gain", "G Gain", Or "B Gain", the color temperature will change to "User" Automatically.

Selection of "Advanced Video" (Inactive for VGA)

1. Press the Menu button, and the "Video" menu appears.
2. Press > or Enter button to enter the "Video" menu.
3. Press ^ or v button to highlight your selection.
4. Press > or Enter button to enter the sub-menu.
5. Press ^ or v button to highlight your selection.
6. Press < or > button to select.
7. Press the Menu or Exit button to return or exit.



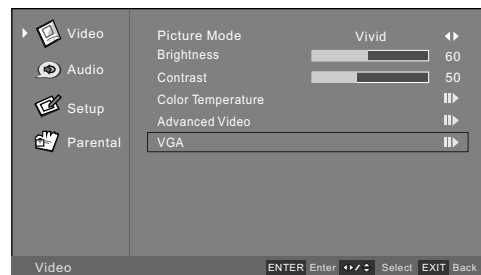
Basic Operation

Table of Video Adjustment Setting

Item	Status	Description
DNR	Off, Low, Medium, Strong Auto	Select to control the sharpness and noise reduction.
CTI	Off, Low, Medium, Strong	Select dynamic color improvement level.
Flesh Tone	On, Off	Selecting "On" to correct the flesh tone automatically.
Adaptive Luma Control	On, Off	Select to control the luminance. This feature will set the contrast and brightness levels for optimum performance.

Selection of "VGA" (only for VGA)

1. Press the Menu button, and the "Video" menu appears.
2. Press > or Enter button to enter the "Video" menu.
3. Press ^ or v button to highlight your selection.
4. Press > or Enter button to enter the sub-menu.

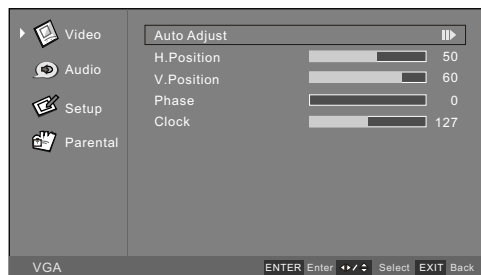


Selection of "Auto Adjust"

After entering the "VGA" menu:

1. Press ^ or v button to highlight your selection.
2. Press > or Enter button to confirm.
3. Press the Menu or Exit button to return or exit.

Note: This item will auto-adjust the picture display.



Selection of "H.Position", "V.Position", "Phase", "Clock"

After entering the "VGA" menu:

1. Press ^ or v button to highlight your selection.
2. Press < or > button to select.
3. Press the Menu or Exit button to return or exit.

Basic Operation

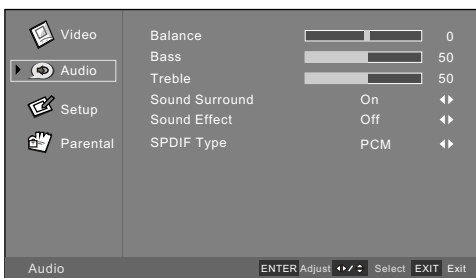
Table of Display Adjustment

Items	Description
H. Position	Use \wedge or \vee button to select it. Use \lt or \gt button to move the image left or right.
V. Position	Use \wedge or \vee button to select it. Use \lt or \gt button to move the image up or down.
Phase	Use \wedge or \vee button to select it. Use \lt or \gt button to adjust.
Clock	Use \wedge or \vee button to select it. Use \lt or \gt button to adjust.

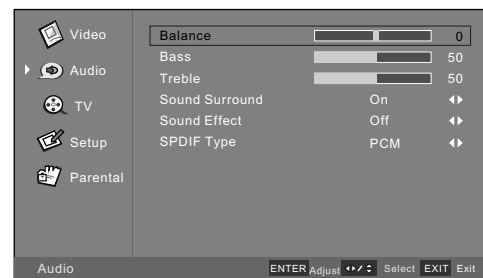
Audio Page Menu

Adjustment of "Balance", "Bass" or "Treble"

1. Press the Menu button, and then press \wedge or \vee button until the "Audio" menu appears.
2. Press \gt or Enter button to enter the "Audio" menu.

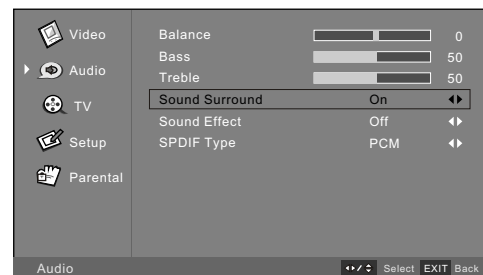


3. Press \lt or \gt button to highlight your selection.
4. Press \wedge or \vee button to adjust.
5. Press the Menu or Exit button to return or exit.



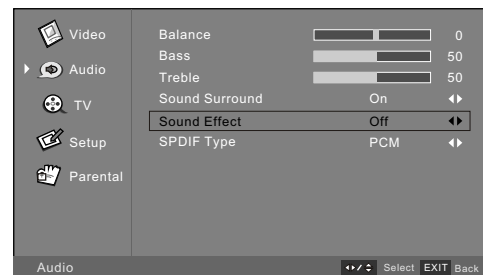
Selection of "Sound Surround"

1. Press the Menu button, and then press \wedge or \vee button until the "Audio" menu appears.
2. Press \gt or Enter button to enter the "Audio" menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press \lt or \gt button to select "On" or "Off".
5. Press the Menu or Exit button to return or exit.



Selection of "Sound Effect"

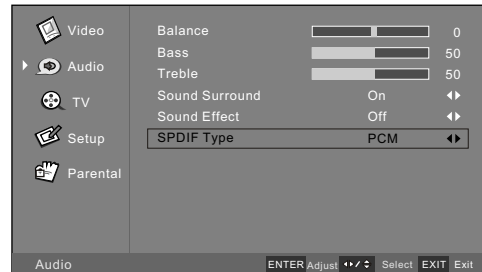
1. Press the Menu button, and then press \wedge or \vee to select the "Audio" menu.
2. Press \gt or Enter button to enter the "TV" menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press \lt or \gt button to select "Off", "Concert", "Living room", "Hall", "Bathroom", "Cave", "Atrna", "Church".
5. Press the Menu or Exit button to return or exit.



Basic Operation

Selection of "SPDIF Type"

1. Press the Menu button, and then press \wedge or \vee to select the "Audio" menu.
2. Press $\>$ or Enter button to enter the "Audio" menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press \leftarrow or \rightarrow button to select "Dolby Digital", "PCM" or "Off".
5. Press the Menu or Exit button to return or exit.



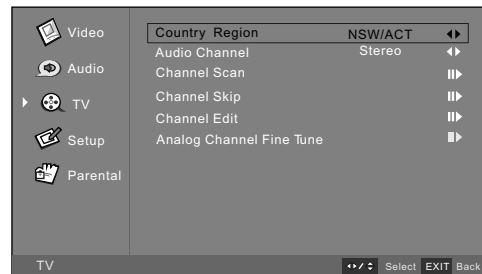
TV Page Menu (Only for TV)

Using the "Country Region"

1. Press the Menu button, and then press \wedge or \vee to select the "TV" menu.
2. Press $\>$ or Enter button to enter the "TV" menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press \leftarrow or \rightarrow button to select "NSW/ACT", "VIC", "QLD", "SA", "WA", "TAS", "NT".
5. Press the Menu or Exit button to return or exit.



DTV



ATV

Using the "Audio channel" (Only for ATV)

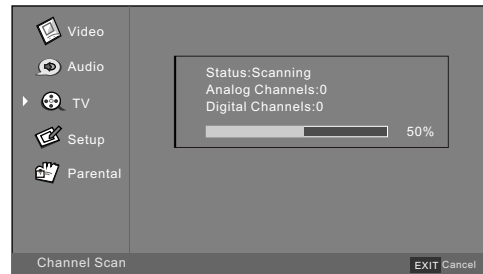
1. Press the Menu button, and then press \wedge or \vee to select the "TV" menu.
2. Press $\>$ or Enter button to enter the "TV" menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press \leftarrow or \rightarrow button to select Mono/Stereo/Dual1/Dual2
5. Press the Menu or EXIT button to return or exit.



Basic Operation

Using the “Channel Scan”

1. Press the Menu button, and then press \wedge or \vee to select the “TV” menu.
2. Press $\>$ or Enter button to enter the “TV” menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press $\>$ or Enter button to start searching.
The channels that searched will store automatically.
5. If you want to stop searching, Press the Menu or Exit button to return or exit.

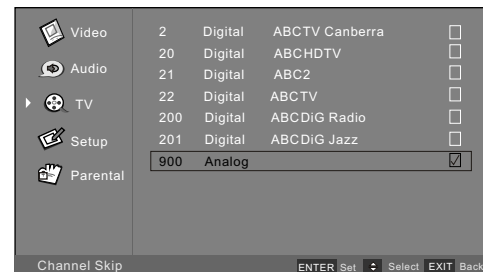
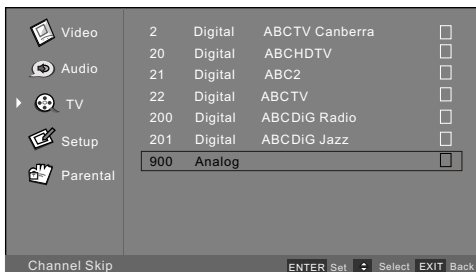
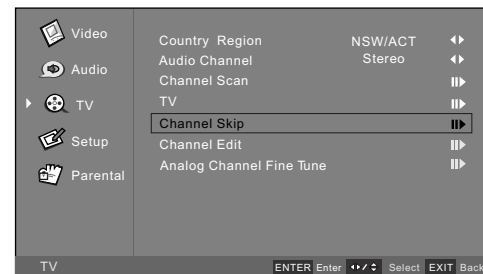


Note:

- Locked channels will be skipped during the search.
- Analog channels starts from 900 to 999.

Using the “Channel Skip”

1. Press the Menu button, and then press \wedge or \vee to select the “TV” menu.
2. Press $\>$ or Enter button to enter the “TV” menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press $\>$ or Enter button to enter the sub-menu.
5. Press \wedge or \vee button to choose an item, then press Enter button to confirm or cancel your selection.
6. When you select “”? it will skip channels.
7. Press the Menu or Exit button to return or exit.



Basic Operation

Selection of "Channel Edit"

1. Press the Menu button, and then press \wedge or \vee to select the "TV" menu.
2. Press $\>$ or Enter button to enter the "TV" Menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press $\>$ or Enter button to enter the sub-menu.
5. Press \wedge or \vee button to highlight your selection.
6. Press ENTER button to enter the Edit-Menu.
And then press \wedge or \vee to highlight the Channel Number menu, then press numeric 0 to 9 to edit the channel Number.



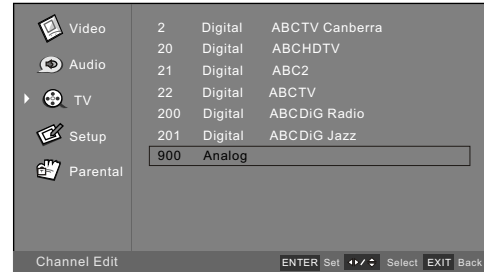
Note:

You cannot enter a duplicate channel number that already exists within the channel number listing.

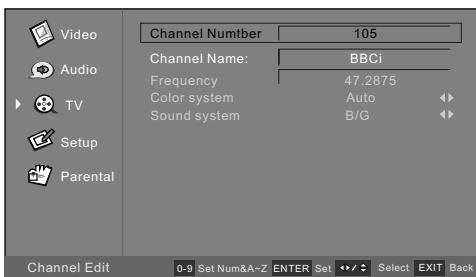
7. Press the \wedge / \vee button to select NAME
Press numeric button **0** to **9** and the alphabet **A** to **Z** to edit.
With the \leftarrow button you can select to backspace and numeric button 9 to select "SPACE"
8. Press the MENU or Exit button to return or exit.



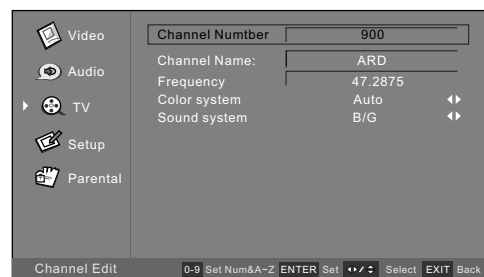
DTV



ATV



DTV



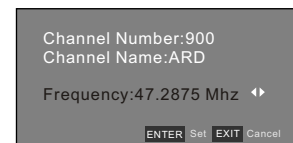
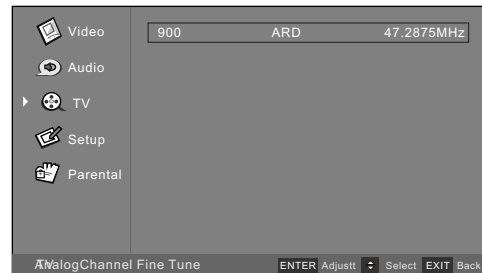
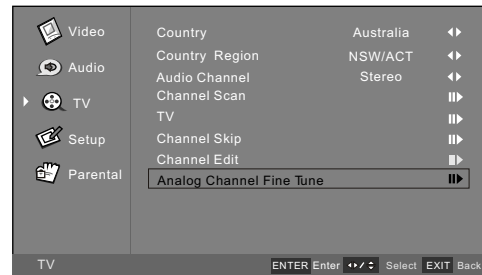
ATV

Basic Operation

Item	Status
Channel Number:	0~9999
Channel Name:	1~9, A~Z
Television Channel	VHF 0~12 UHF 27~69
Color system	Auto, PAL
Sound system	BG

Selection of "Analog channel Fine Tune"(only for ATV)

1. Press the Menu button, and then press \wedge or \vee to select the "TV" menu.
2. Press $\>$ or Enter button to enter the "TV" menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press $\>$ or ENTER button to enter the sub-menu.
5. Press ENTER button to enter the "Fine Tune" menu.
6. Press \leftarrow or \rightarrow and ENTER button to adjust frequency.

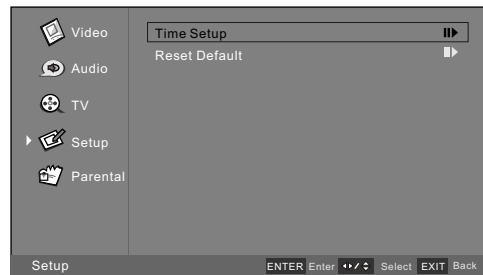
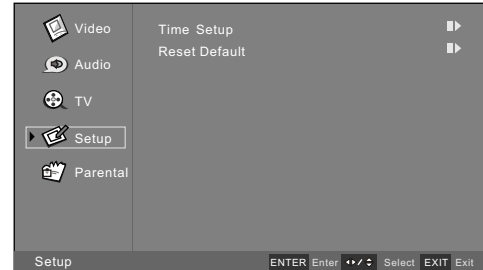


Basic Operation

Setup Page Menu

Use of the “Time Setup” menu

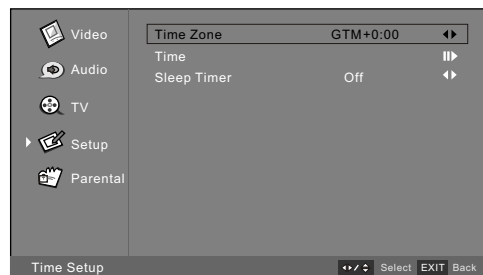
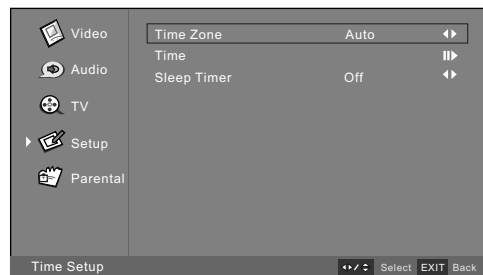
1. Press the Menu button, and then press \wedge or \vee to select the “Setup” menu.
2. Press \triangleright or Enter button to enter the “Setup” menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press \triangleright or Enter button to enter the sub-menu.
5. Press \wedge or \vee button to choose “Time Zone”, “Time” or “Sleep Timer”.
6. Press the Menu button to return or exit.



Selection of “Time Zone”

After entering the “Time Setup” menu:

1. Press \wedge or \vee button to highlight your selection.
2. Press \triangleleft or \triangleright button to select Auto, GMT+0:00~GMT+3:00, GMT+3:30, GMT+4:00, GMT+4:30, GMT+5:00, GMT+5:30, GMT+5:45, GMT+6:00, GMT+6:30, GMT+7:00~GMT+9:00, GMT+9:30, GMT+10:00~GMT+12:00, GMT+12:45, GMT+13:00, GMT-12:00~GMT-4:00, GMT-3:30, GMT-4:00~GMT-1:00.
3. Press the Menu button to return or exit.

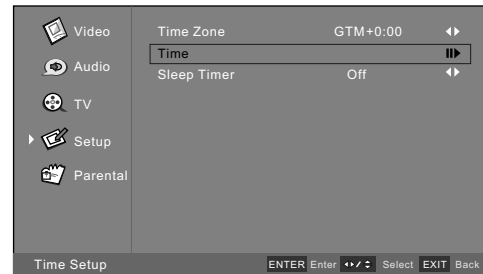


Basic Operation

Using of "Time"

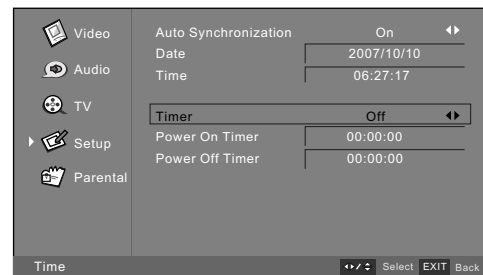
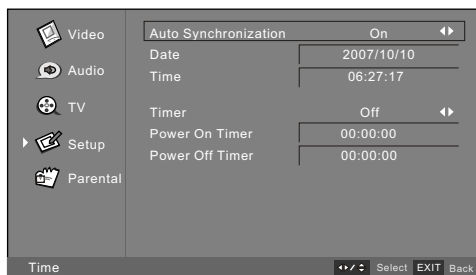
After entering the "Time Setup" menu:

1. Press \wedge or \vee button to highlight your selection.
2. Press $\>$ or Enter button to enter the sub-menu.
3. Press the Menu or EXIT button to return or exit.



After entering the "Time" menu:

1. Press \wedge or \vee button to highlight your selection.
2. Press $<$ or $>$ button to select. Inactive adjustment on Date and Time if Auto Synchronization is ON.
3. Press numbered buttons to set the "date", "time", "Power On Timer" or "Power Off Timer".
4. Press the Menu or EXIT button to return or exit.
5. Inactive adjustment on Date and Time if Auto Synchronization is ON.



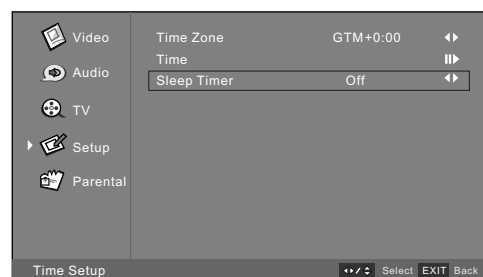
Note:

- . Pressing the Standby button to turn off the LCD, the setup time will be retained.
- . If the unit is unplugged, or main power is otherwise disrupted, the memory for time will be lost.
- . The following items are active only when you select "Off" of "Auto Synchronization" and select "On" of "Timer".
- . If the setting changed from Auto Synchronization from off to on, it will takes 5~10 sec for the clock to be automatically adjusted.

Selection of "Sleep Timer"

After entering the "Time Setup" menu:

1. Press \wedge or \vee button to highlight "Sleep Timer".
2. Press $<$ or $>$ button to select "10, 20, 30, 40, 50, 60, 90, 120 Minutes" or "Off".
3. Press the Menu or EXIT button to return or exit.

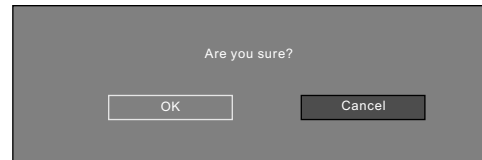
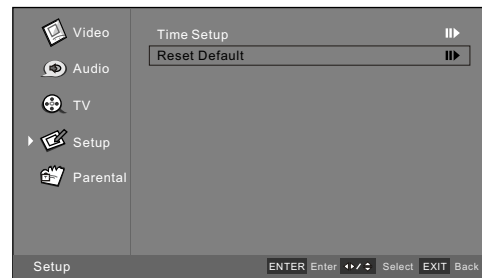


Basic Operation

To “Reset Default”

The factory setting is to change your own custom setting to factory default setting:

1. Press the Menu button, and then press \wedge or \vee button to select “Setup” menu.
2. Press $\>$ or Enter button to enter the “Setup” menu.
3. Press \wedge or \vee button to highlight your selection.
4. Press $\>$ or Enter button for the pop up menu.
5. Press $<$ or $>$ button to select “OK” or “Cancel” .
OK: To reset default.
Cancel: To return last menu.
6. Press the Menu or EXIT button to return or exit.



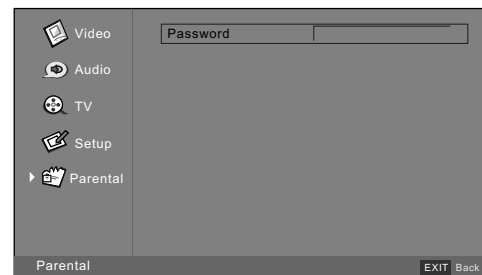
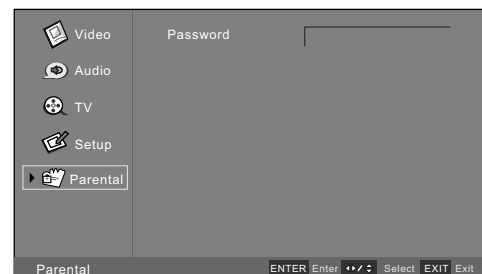
Note: This will only reset the items in the setup menu and does not include the protected-items (Needs pin code enter).

Parental Page Menu

Some programs and movies include signals that classify the content of the program (dialog, language, sex, violence). The “Parental” control feature in this detects the signals and blocks the programs according to your selections. To use this feature, perform the following.

1. Press the Menu button, and then press \wedge or \vee button until the “Parental” menu appears.
2. Press $\>$ or Enter button to enter.
3. Use 0~9 buttons input the password, and the Parental Control pop up a menu will show.

The “Parental” menu includes “channel Block”, “Program Block”, “Input Block”, “Change Password” and “Clear All” functions. You can use these functions after entering the correct password.



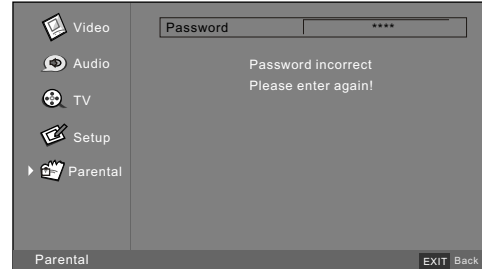
Basic Operation

Entering the password




. When the password is already stored: Press the Number buttons (0~9) to enter the 4-digit password used for blocking channels.

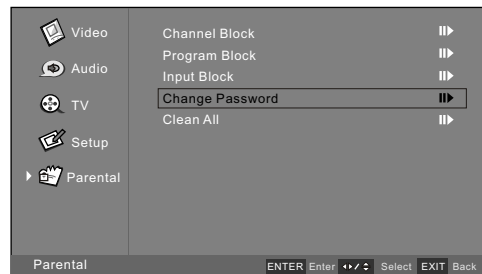
Note: The initial password for the system is "0000". If you have forgotten the password, use the super password "2580".

If the input is invalid, a message will pop up as below:

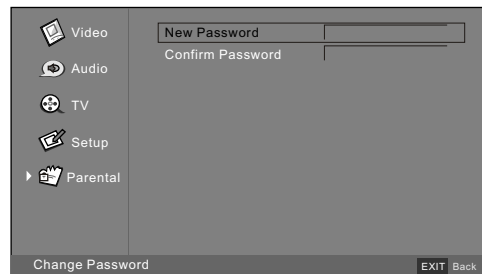


Using the "Change Password" item

1. After entering the "Parental" menu, press  or  button to highlight the "Change Password" item.
2. Press  or Enter button to confirm.
3. Use 0~9 buttons input your new password in the "New Password" blank.
4. Use 0~9 buttons input your new password again in the "Confirm Password" blank.
5. When this is complete the previous menu will be displayed.



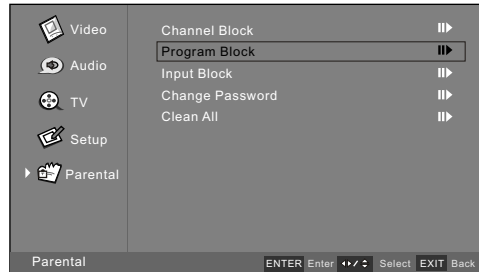
Note: Please operate "Change Password" at the first time use this function.



Basic Operation

Using the “Program Block” item

1. After entering the “Parental” menu, press \wedge or \vee button to highlight the “Program Block” item.
2. Press $>$ or Enter button to enter.
3. Press the Menu or Exit button to return or exit.



Block All: All programs are blocked without considering the age level.

No Block: All programs can be watched because there is no age limitation.

Block R and above: restricted 18+

Block AV and above :adult audience, strong violence AV 15+.

Block MA and above: adult audience 15+.

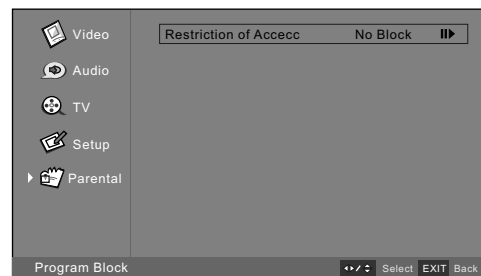
Block M and above: mature audience 15+.

Block PG and above: (Parental guidance suggested)

Block G and above: suitable for all audiences

Note:

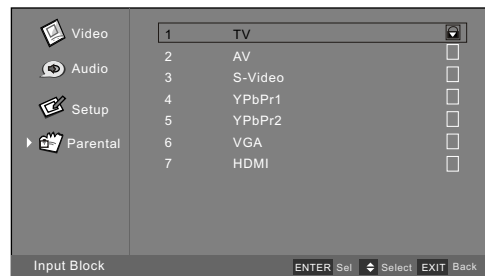
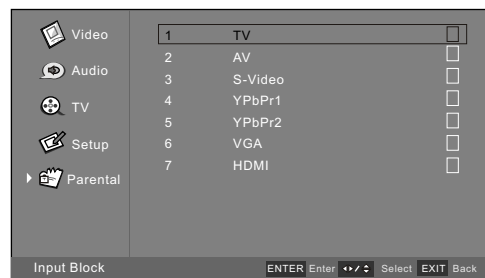
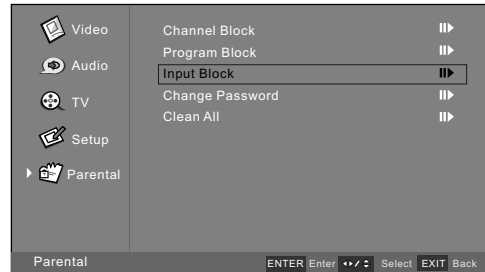
Please note that on all program block functions it can take 5 to 15 seconds, depending on retrieving data from the broadcaster.



Basic Operation

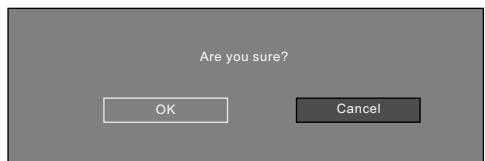
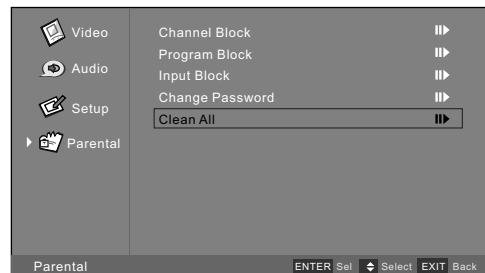
Using the "Input Block" Item

1. After entering the "Parental" menu, press \wedge or \vee button to highlight the "Input Block" item.
2. Press $\>$ or Enter button to confirm.
3. Press \wedge or \vee button to highlight the "TV", "AV", "S-Video", "YPbPr1", "YPbPr2", "VGA", "HDMI".
4. Press Enter button to confirm.
5. Press the MENU or EXIT button to return on exit.



Using the "Clean All" item

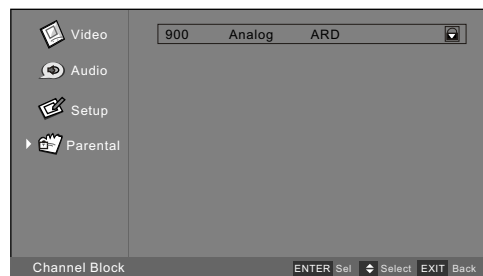
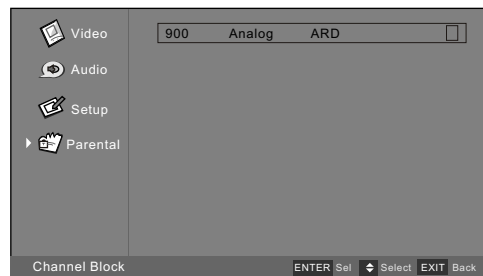
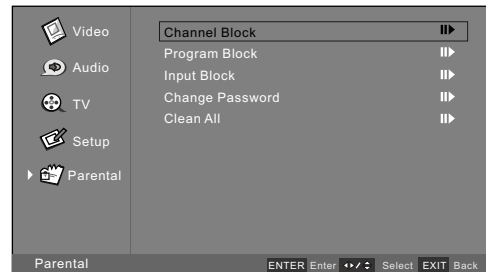
1. After entering the "Parental" menu, press \wedge or \vee button to highlight the "Clean All" item.
2. Press $\>$ or Enter button to enter.
3. Press \leftarrow or \rightarrow button to highlight the "OK", "Cancel".
4. Press "Enter" button to confirm.



Basic Operation

Using the “Channel Block” item

1. After entering the “Parental” menu, press \wedge or \vee button to highlight the “Clean Block” item.
2. Press $\>$ or Enter button to confirm.
3. Press \wedge or \vee button to highlight the “TV Program”.
4. Press Enter button to enter.
5. Press the Menu or Exit button to return or exit.
Button to enter.



Technical Specification

Product Model	NLT-32HDB4
TV System	AUTO/PAL
VIDEO System	NTSC/PAL
Screen Size	32" Diagonal
Active Area	697.685mm(H) x 392.256mm(V)
Aspect Ratio	16:9
Main Unit (with stand)	795 mm (W) x 574 mm (H) x 233 mm (D)
Main Unit (without stand)	795 mm (W) x 527 mm (H) x 114 mm (D)
Net Weight (with stand)	16kg
Gross Weight (with stand)	20 kg
Display Resolution	1366 (H) x 768 (V)
Pixel Pitch (Sub Pixel)	0.51075mm(H) X 0.51075mm(V)
Brightness (Peak Value)	450cd/m ²
Contrast (Dark Room)	850:1
Power Supply	AC 100V~240V, 50 Hz~60 Hz(±5Hz)
Standby Power Consumption	≤1W
Power Consumption	<180W
Input Terminal	Antenna Input x 1 (ATV/ DTV)
	HDMI (Ver1.2) connector x1
	VGA (D-Sub 15 Pin Type) x 1
	Component Video - YPbPr x 2 RCA Terminals
	Video Input RCA Terminals x 1
	S-Video Input Mini Din 4 Pin Terminal x 1
	Stereo, Audio x 4
Output Terminal	1 set of Video/Audio Output terminals (RCA, L&R)
	Coaxial out x 1

Note.

- a. Although LCD panel uses highly precise technology, it may display blank pixels, dark spots, or lightning on the screen. This is normal and not an indication of a defect.
- b. Technical specification are subject to change without notice.

Support the Signal Mode

VGA Mode

Resolution	Horizontal Frequency (Khz)	Vertical Frequency (Hz)
640 x 480	31.5	60
	37.9	72
	37.5	75
800 x 600	37.9	60
	48.1	72
	46.9	75
1024 x 768	48.4	60
	56.5	70
	60.0	75

- When the signal received by the Display exceeds the allowed range, a warning message shall appear on the screen.
- You can confirm the input signal format from the on-screen.

Wall Mounting Information/Technical Drawing

Model:NLT-32HDB4

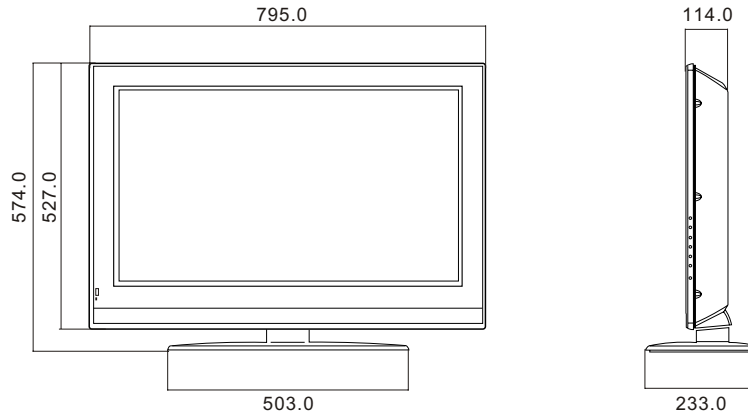


Diagram 1

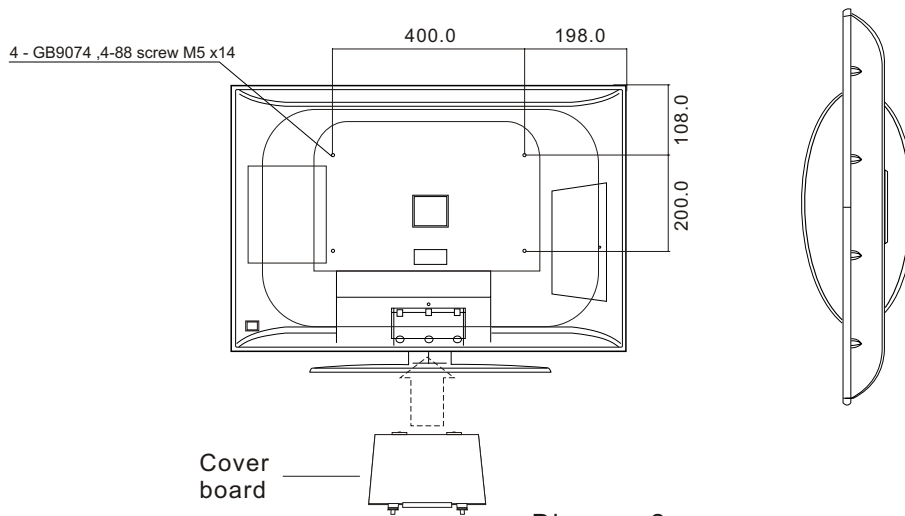


Diagram 2

- *1. Recommended screw diameter is 4-M5.0
- *2. Maximum allowable projection of screw length inside the LCD TV is 14mm's based on the length from the back cabinet to internal bracket.
- *3. First please detach the stand from the unit, then fix the cover board to the corresponding position following as Diagram 2.

NEC understand that some user's may wish to mount their LCD Television on the wall or to fixed surface. All NEC Models have this ability, however we strongly recommend that you have this procedure completed by a specialist installer. NEC will take no Warranty responsibility for product fault arising from incorrect installation/bracket failure. Please use the above measurements as a guide only and it is strongly suggested to hand measure the unit prior to installation.

NEC

NEC Australia Pty.Ltd.
ABN 86 001 217 527
DISPLAY AND HOME GROUP

NEC Service Centres

PH : 131-632

New South Wales

Sydney	184 Milperra Rd, Revesby 2212	131-632
Newcastle	120 Parry Street, Newcastle West 2302	131-632

Victoria

Melbourne	Unit 1/6 Garden Road, Clayton 3168	131-632
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Queensland

Brisbane	Unit 4/305 Montague Road, West End 4101	131-632
Southport	Shop 1, 48 Ferry Road, Southport 4215	131-632

South Australia

Adelaide	84A Richmond Rd, Keswick, 5053	131-632
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Western Australia

Perth	45 Sarich Court, Osborne Park 6017	131-632
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For Service in outer areas, please contact your NEC retailer for the address of the nearest Authorised NEC Service Centre

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