User's Manual

15.1" TFT LCD Monitor TV

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NV-151T

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Safety Instructions

Before connecting the AC power cord to the DC adapter outlet, make sure the voltage designation of the DC adapter corresponds to the local electrical supply.
Never insert anything metallic into the cabinet openings of the Liquid Crystal Display (LCD) monitor: doing so may create the danger of electric shock.
To avoid electric shock, never touch the inside of the LCD monitor. Only a qualified technician should open the case of the LCD monitor.
Never use your LCD monitor if the power cord has been damaged. Do not allow anything to rest on the power cord, and keep the cord away from areas where people can trip over it.

Be sure to hold the plug, not the cord, when disconnecting the LCD monitor from an electric socket.

Openings in the LCD monitor cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Also, avoid using the LCD monitor on a bed, sofa, rug, or other soft surface. Doing so may block the ventilation openings in the bottom of the cabinet. If you put the LCD monitor in a bookcase or some other enclosed space, be sure to provide adequate ventilation.
Put your LCD moniter in a location with low humidity and a minimum of dust.

Do not expose the LCD monitor to rain or use it near water (in kitchen, near swimming pool, etc.). If the LCD monitor accidentally gets wet, unplug it and contact an authorized dealer immediately. You can clean the LCD monitor with a damp cloth when necessary, but be sure to unplug the LCD monitor first.

Place the LCD monitor on a solid surface and treat it carefully. The screen is made of thin glass with a plastic front surface and be damaged if dropped, hit or scratched.
Do not clean the front panel with keton-type materials (e.g., acetone), ethyl alcohol, toluene, ethylacid, methyl, or chloride - these may damage the panel.

Locate your LCD monitor near an easily accessible AC outlet.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Regulatory Information

European Notice

produsts with the CE Marking comply with both the EMC Directive (89/336/EEC),(93/68/ECC) and the Low Voltage Directive(72/23/ECC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- EN55022:1998-Radio Frequency Interference
- EN55024:1998-Electromagnetic Immunity
- EN61000-3-2:1995 + A1 + A2 - Power Line Harmonics
- EN61000-3-3:1995 - Voltage Fluctuations
- EN60950-Product Safety

FCC Information

User Instructions

The Federal Communications Radio Frequency Interference Statement includes the following warning:

NOTE : This equipment has been tested and found to comply with limits for a Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed 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 receptions, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

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

User Information

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
If necessary, consult your dealer or an experienced radio/TV technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful.This booklet was prepared by the Federal

Regulatory Information

Communications Commission. It is available from the U.S. Goverment Printing Office, Washington,DC 20402, Stock Number 004-000-00345-4.

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product.

Declaration of conformity for products Marked with FCC Logo

This device complies with Part 15 of 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.

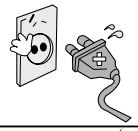
Provided with this monitor is a detachable power supply cord with IEC320 style terminations. It may be suitable for connection to any UL Listed personal computer with similar configuration. Before making the connection, make sure the voltage ration of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal to or exceeds the monitor voltage ration.
For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type(parallel blades) plug cap. For 240 Volt applications use only UL Listed Detachable power supply cord with NEMA configuration 6-15P type(Tandem blades) plug cap.

General safty precautions

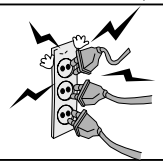
This Monitor has been engineered and manufactured to assure your safety.
You can prevent serious electrical shock and other hazards by keeping in mind the following:

Do not place anything heavy, wet or magnetic on the monitor or the power cord. Never cover the ventilation openings with any material and never touch them with metallic or inflammable materials.

Avoid operating the monitor in extreme heat, hummidity or areas affected by dust.
●Tenperature : 5~35°C ● Humidity : 30~80RH



Be sure to turn the monitor off before plugging the power cord into the socket. Make sure that the power cord and the other cords are securely and correctly connected.



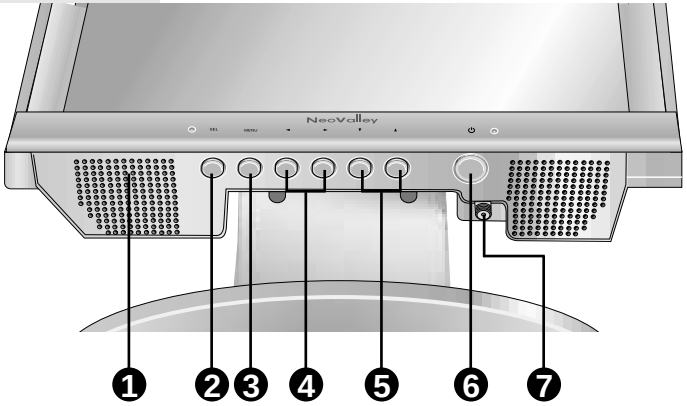
Overloaded AC outlets and extension cords are dangerous, as are frayed power cords and broken plugs, which may cause electric shock or fire. Call your service technician for replacement.

Do not use sharp tools such as a pin or a pencil near the monitor, as they may scratch the LCD surface.

Do not use a solvent, such s benzene, to clean the monitor, as it will damage the LCD surface.

Parts Description

Front Panel



1 SPEAKER

2 SELECT
Select input signal or select submenu of the on-screen menu.

3 MENU
Display the main on-screen menu.
Exit from sub-menu.

4 VOL◄ , VOL►
Press the increase or decrease the volume.
Also used to increase or reduce the value of a menu option.

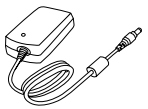
5 CH▼ , CH▲
Press **CH▼** or **CH▲** to change channels.
Also used to highlight selections on the on-screen menus.

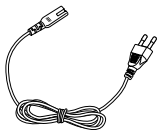
6 POWER
Switches the Set off (standby made) and on.

7 VHF/UHF ANTENNA JACK
Connect to an antenna or a cable TV system.

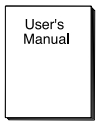
Accessary

Remote Controller


DC power Supply/Adapter


Power Cable

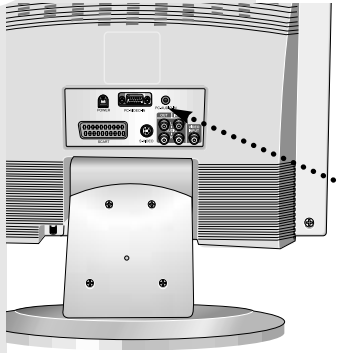
15-pin D-Sub Signal Cable



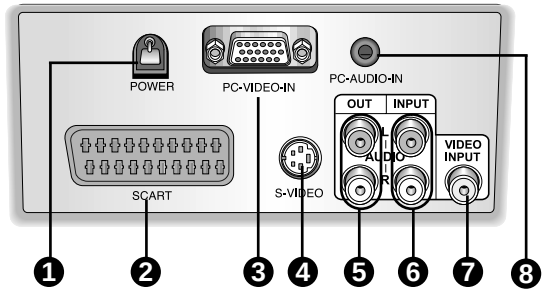
User's Manual

Parts Description

Rear Panel



Rear Panel Jacks



1 POWER Jack
To input DC power from power outlet.

2 SCART (PAL Model)
SCART audio/video connector.

3 PC VIDEO INPUT
Used to connect a video signal from a personal computer

4 S-VIDEO IN
S-Video signal from an S-VHS VCR or laserdisc player.

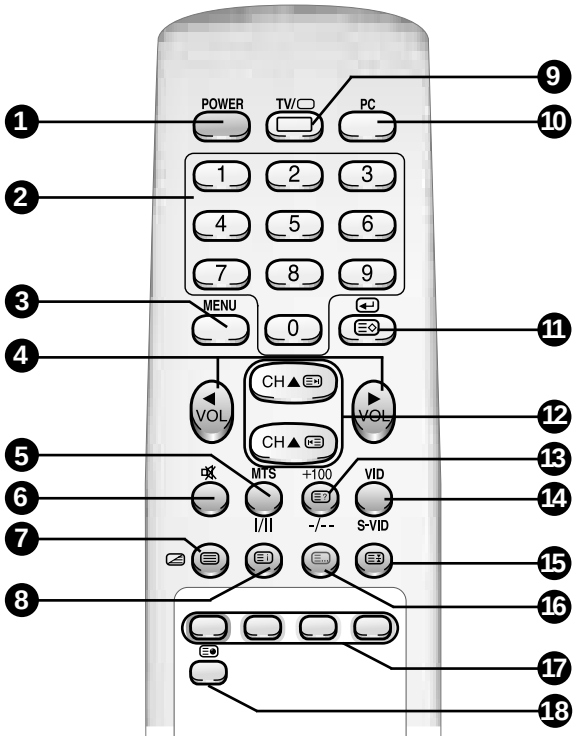
5 AUDIO OUTPUT
Connects to the audio input port of an additional device.

6 AUDIO INPUT
Audio signals from VCR or similar device.

7 VIDEO INPUT
Video signals from VCR or similar device.

8 PC AUDIO INPUT
Connects to the sound-output port of a personal computer.

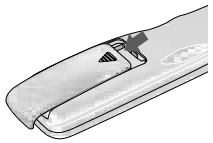
Reomote Control Unit (Teletext function is optional)



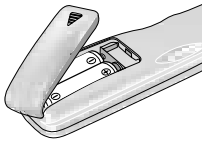
Inserting the Batteries in the Remote Controller

You must insert or replace the batteries in the remote controller when you:

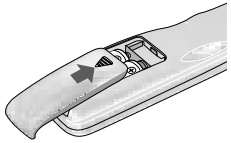
- Purchase the set.
- Find that the remote controller is no longer operating correctly.



1 Remove the cover of the remote controller by pressing the symbol and pulling the cover space in the direction of the arrow.



2 Insert 2 batteries(AA size), taking care to respect the polarities.



3 Replace the cover by pushing it in the direction of the arrow.

! *You can use your remote controller within a distance of 7~10m and an angle of 30 degrees from the left and right sides of the remote controller receptor of your monitor.*

Remote Control Unit (Teletext Function is optional)

1 POWER
Turns the TV On and Off.

2 Numeric buttons
Direct channel select.
Direct page select during teletext display(option)

3 MENU
Displays 'On Screen Menu.

4 VOL◄ , VOL►
Press the increase or decrease the volume.
Also used to make selections on the on-screen menus.

5 I / II (MTS)
Press to choose stereo, dual or mono.

6 MUTE
Press to temporarily cut of the sound.

7 TELETEXT MIX /
Display teletext or mix with TV screen.(Option)

8 INFORMATION /
Display teletext information.(Option)

9 TV /
Select TV signal.
Teletext Off(Option)

10 PC
Select PC signal.

11 Select / Store
Select submenu of the on-screen menu.
Store teletext page (Option)

12 CH▼ , CH▲ / ,
Press **CH▼** or **CH▲** to change channels.
Also used to highlight selections on the on-screen menus.
Select the channel providing the teletext service.

13 -/-- (+100) / REVEAL
Press to select channels over 100 or one/two digit channel selection.
Select hidden content during teletext display (Option)

14 VID / S-VID
Press to display all of the available video sources
(**i.e., VIDEO, SVIDEO, PC** and **Antenna**).

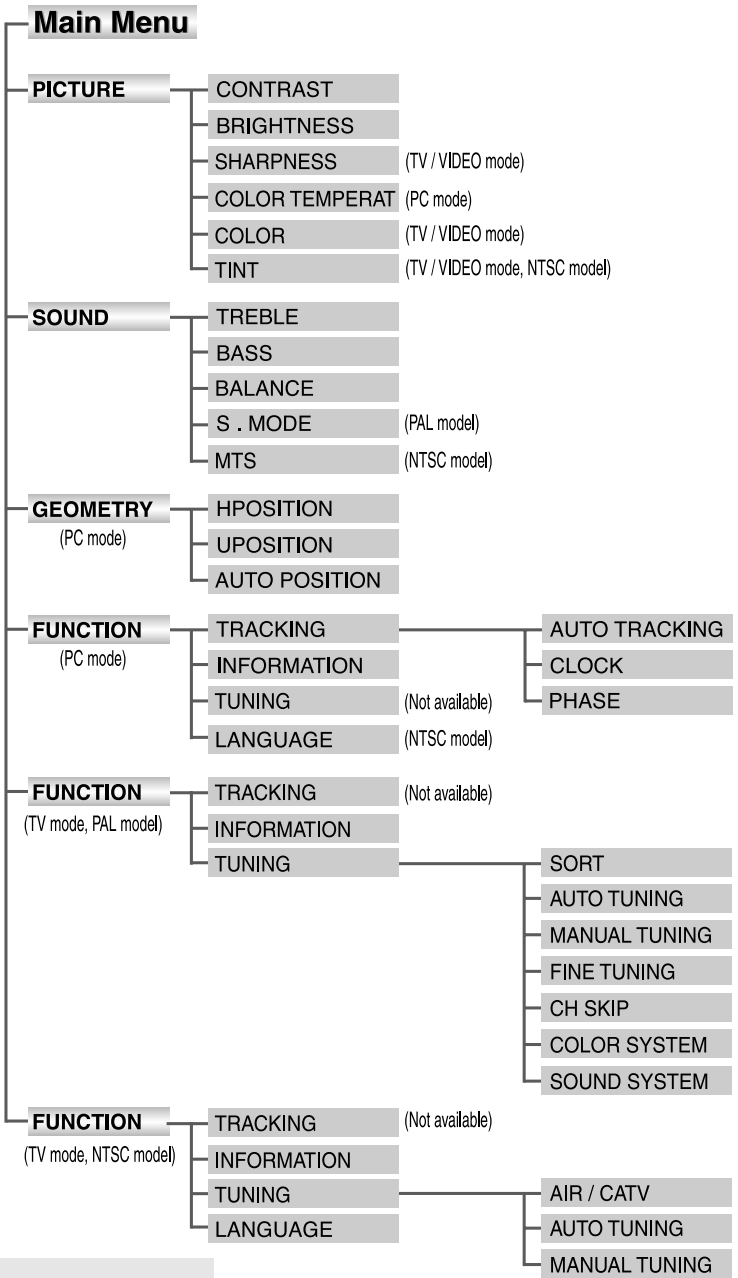
15 HOLD
Hold Function during teletext display (Option)

16 FLOF / LIST
Exchange FLOF / LIST mode.

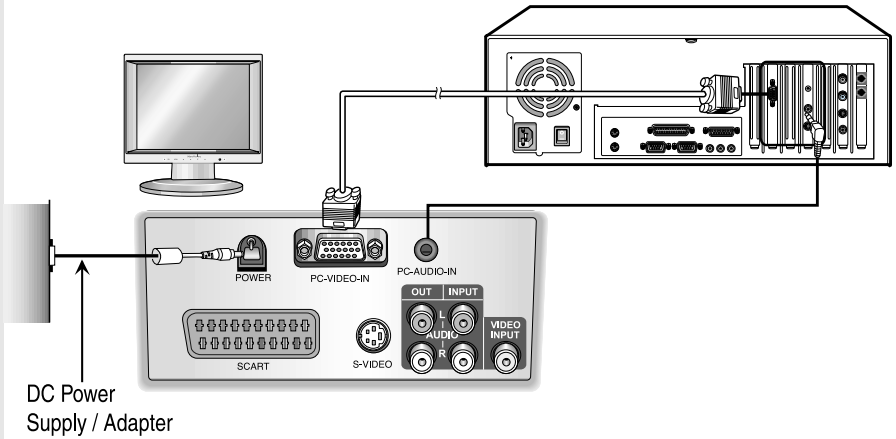
17 FAST TEXT
Directly access teletext linked page.

18 SUB-PAGE
To display a secondary page.

Menu Tree



Connecting a PC



1 Turn off your computer and monitor

2 Connect a PC D-Sub cable between your PC and PC-VIDEO-IN of the monitor. And then fasten the screws of both sides of the cable.

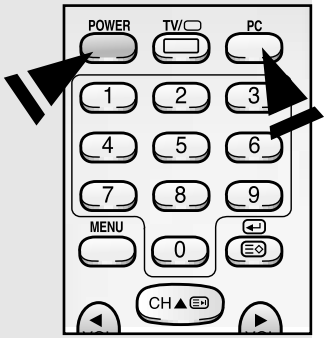
3 Connect a PC Audio Cable between the Sound Output jack of the sound card on a PC and the PC-AUDIO-IN of the monitor.

4 Connect a DC Power unit cable to the Power jack on the rear of your monitor. And connect a power cable to the DC Power unit before connecting to a power outlet.

5 Power on the computer before turning on the monitor.

Viewing a PC screen

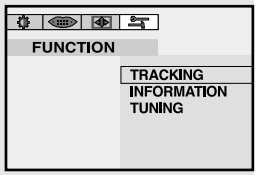
Initial set PC mode

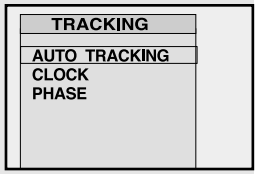


1 Power on your monitor by pressing the **POWER** button on the main set or on the remote controller.

2 Use the **PC** button on the remote controller to switch to the **PC** mode.
Then the PC screen is automatically set.
When a CD-Title runs, the music is output from speakers.
(You can use an external speaker via the Audio Output jack on the rear of the main set.)

When the picture is unstable





1 Press the **MENU** button and the **PICTURE** menu is displayed.

2 Use the **VOL◄** or **VOL►** button to move to the **Function** menu.

3 Use the **CH▼** or **CH▲** button to move to **TRACKING**, then press the **SEL** button. Then, the **TRACKING** menu will be displayed.

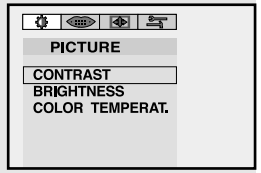
4 Move to **Auto Tracking**, then press the **SELECT** button. Then, the message "**AUTO TRACKING PROCESSING...**" appears on the screen to stabilize the screen.

5 Press the **MENU** button repeatedly until the menus disappear.

Viewing a PC screen

Adjusting the Picture Settings

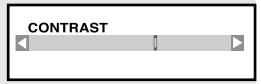
Your monitor has several settings which allow you to control picture quality:
• **CONTRAST , BRIGHTNESS, COLOR TEMPERATURE**



1 Press the **MENU** button.
Result : The **PICTURE** menu is displayed.

2 Use the **CH ▼** or **CH ▲** buttons to select one of the following options:
CONTRAST
BRIGHTNESS
COLOR TEMPERATURE

3 Press the **SEL** button.

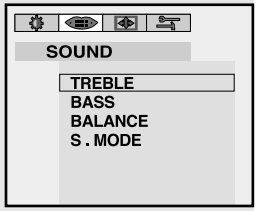


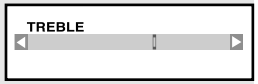
4 Press the **VOL◄** or **VOL►** buttons to suit your personal preference.
• **CONTRAST** :
Adjust the brightness and darkness between objects and back grounds.
• **BRIGHTNESS** :
Adjust the overall of the screen brighter or darker.
• **COLOR TEMPERATURE** :
The tone of color can be changed from redish white to bluish white.

5 Press the **MENU** button repeatedly until the menus disappear.

Adjusting the Sound Settings

The sound settings can be adjusted to suit your personal preference : **TREBLE, BASS, BALANCE, S.MODE**





1 Press the **MENU** button.
Result : The **PICTURE** menu is displayed.

2 Use the **VOL◄** or **VOL►** buttons to move the **SOUND** menu.

3 Use the **CH▼** or **CH▲** buttons to select one of the following options:
TREBLE
BASS
BALANCE
S.MODE

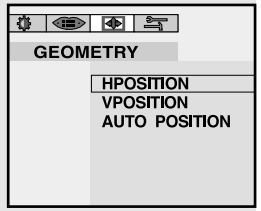
4 Press the **SEL** button.

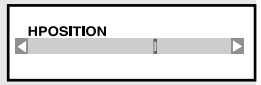
5 Press the **VOL◄** or **VOL►** buttons to suit your personal preference.
• **S.MODE / MTS** : To select STEREO or MONO

6 Press the **MENU** button repeatedly until the menus disappear.

Adjusting the Geometry Settings

The geometry settings can be adjusted to center your viewing screen.





1 Press the **MENU** button.
Result : The **PICTURE** menu is displayed.

2 Use the **VOL ◄**, **VOL ►** buttons to move the **GEOMETRY** menu.

3 Use the **CH▼** or **CH▲** buttons to select one of the following options:
HPOSITION
VPOSITION
AUTO POSITION

4 Press the **SEL** button.

5 Press the **VOL◄** or **VOL►** buttons to adjust the position of screen.

- If the position of screen is horizontally off-centered, use **H-POSITION**.
- If the position of screen is vertically off-centered, use **V-POSITION**.

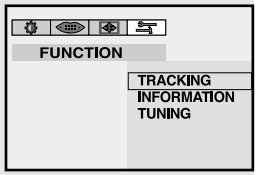
Use the **AUTO POSITION** to position the screen to be **horizontally** and **vertically** centered automatically.

6 Press the **MENU** button repeatedly until the menus disappear.

Viewing a PC screen

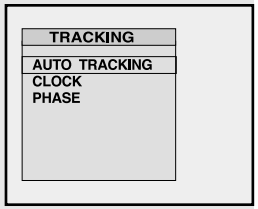
PC Stable Adjustment

When the screen is unstable in PC settings, or to make your PC stable by adjusting the Clock and Phase, set the PC in the following sequence:



1 Press the **MENU** button.
Result : The **PICTURE** menu is displayed.

2 Use the **VOL ◄**, **VOL ►** buttons to move the **FUNCTION** menu.



3 Use the **CH▼** button move to **TRACKING** and then press the **SEL** button.
Result : The **TRACKING** menu is displayed.

4 Use the **CH▼** or **CH▲** buttons to select one of the following options:
AUTO TRACKING
CLOCK
PHASE

5

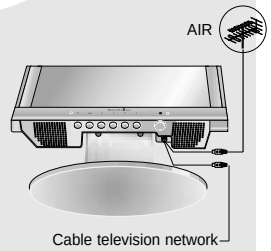
To adjust the..	Press the...
AUTO TRACKING	**SEL** button.
CLOCK	**VOL ◄** or **VOL ►** button.
PHASE	**VOL ◄** or **VOL ►** button.

6
- **AUTO TRACKING** : Automatically optimizes the status of screen. This is recommanded to perform for new PC.
- **CLOCK** : Adjusts the horizontal size of screen by increasing / decreasing the number of pixels.
- **PHASE** : Sets the focus of screen. Adjusts when some noise exists or the character lines are seen overlapped.

7 Press the **MENU** button repeatedly until the menus disappear.

Connecting to watch TV or VCR

Connecting the Aerial or Cable Television Network

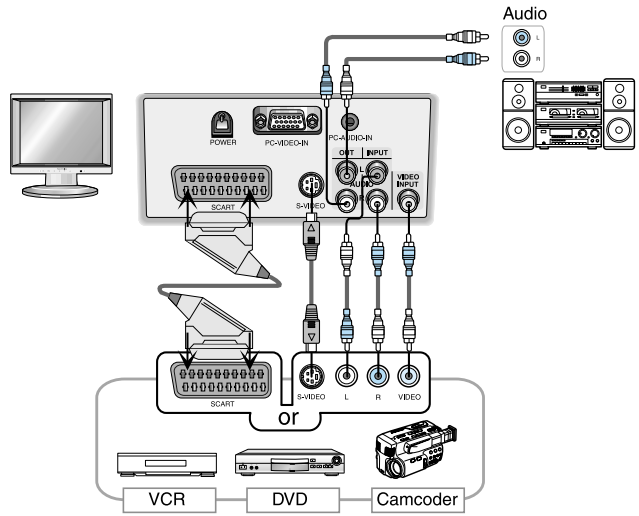


To view television channels correctly, a signal must be received by the set from one of following sources :
- An outdoor aerial
- An indoor aerial (not recommendable)
- A cable television network

1. In the first three cases, connect the aerial or network input cable to the 75 ohm coaxial socket on the bottom of the television.
2. Press the **TV** mode button on the remote controller.

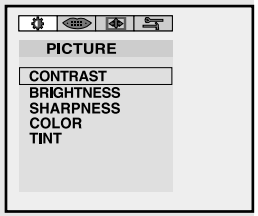
Connecting the VCR, DVD or Other External Devices

1. Connect video and audio cable according to the shape and color of the video / audio cable. (SCART jack, RCA jacks)
   - When an external devices is in **MONO**, the audio connection cable can be connected to either the **left** and **S.MODE/MTS** should be set **FM MONO/MONO**.
2. For optimal visual image, use **S-VIDEO** connector instead of video (yellow) connector.
   - If RCA jack is connected together with SCART jack, RCA jack has priority.



Adjusting the Picture Settings

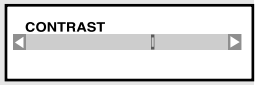
Your TV have several settings which allow you to control picture quality:
CONTRAST , BRIGHTNESS, SHARPNESS, COLOR, TINT



1 Press the **MENU** button.
Result : The **PICTURE** menu is displayed.

2 Use the **CH ▼** or **CH ▲** buttons to select one of the following options:

CONTRAST
BRIGHTNESS
SHARPNESS
COLOR
TINT (NTSC model)



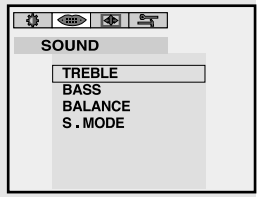
3 Press the **SEL** button.

4 Press the **VOL◀** or **VOL▶** buttons to suit your personal preference.

5 Press the **MENU** button repeatedly until the menus disappear.

Adjusting the Sound Settings

The sound settings can be adjusted to suit your personal preference:
TREBLE, BASS, BALANCE, S.MODE / MTS



1 Press the **MENU** button.
Result: The **PICTURE** menu is displayed.

2 Use the **VOL◀** , **VOL▶** buttons to move the **SOUND** menu.

3 Use the **CH ▼** or **CH ▲** buttons to select one of the following options:

TREBLE
BASS
BALANCE
S.MODE (PAL model)
MTS (NTSC model)

4 Press the **SEL** button.

5 Press the **VOL◀** or **VOL▶** buttons to suit your personal preference.

- **S.MODE** : Descrip below (PAL model)

	Type of broadcast	On-screen Indlcation
NICAM Stereo	Regular broadcast (Standard audio)	**Mono** (Normal use)
	Regular + NICAM Mono	**Mono Nicam** ⟷ **Mono** (Normal)
	NICAM Stereo	**Stereo Nicam** ⟷ **Momo** (Normal)
	NICAM Dual-I/II	**Dual-I Nicam** **Dual-II Nicam** **Mono** (Normal)
A2 Stereo	Regular broadcast (Standard audio)	**Mono** (Normal use)
	Bilingual or Dual-I/II	**Dual-I** ⟷ **Dual-II**
	Stereo	**Stereo** ⟷ **Mono** (Forced Mono)

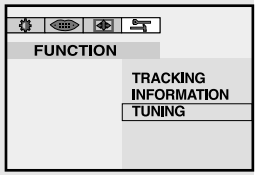
- **MTS** : To select **STEREO**, **SAP** or **MONO** (NTSC model)

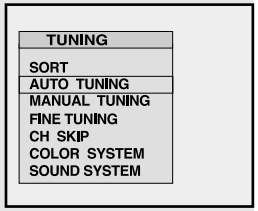
6 Press the **MENU** button repeatedly until the menus disappear.

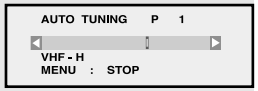
Channel Memory (PAL model)

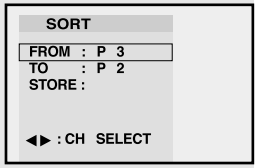
Storing the Channels Automatically

You can scan the frequency ranges available on your television in your country and store all the channels found automatically. The channels are stored in the order in which they appear in the frequency bands. It is possible that the automatically allocated numbers may not correspond to those by which you wish to identify the channels.
If this is the case, you can then sort them manually.









1 Press the **MENU** button.
Result: The **PICTURE** menu is displayed.

2 Press the **VOL◀** button to place the selection bar on the **FUNCTION** menu.

3 Press the **CH▼** button to place the selection bar on the **TUNING** mode.
And press the **SEL** button.

4 Press the **CH▼** button to place the selection bar on the **AUTO TUNING** and press the **SEL** button.
Result: The **AUTO TUNING** will store found channel automatically. White the **AUTO TUNING** is progressing, the TV will change channels up to 99. When searching and storing is completed, the **SORT** menu is displayed. User can exchange favorite channels to prefered channel number.

5 Press the **VOL◀** or **VOL▶** button until favorite channel is shown.

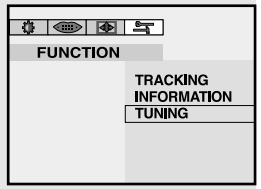
6 Press the **CH▼** button to place the selection bar on the TO option. Press the **VOL◀** or **VOL▶** until the new number by which you wish to identify the channel is displayed.

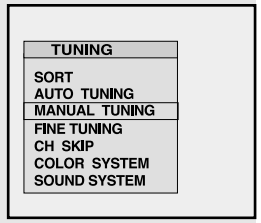
7 When searching and storing is complete, press the **MENU** button repeatedly until the menus disappear.

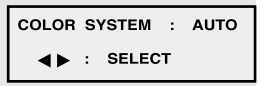
Channel Memory (PAL model)

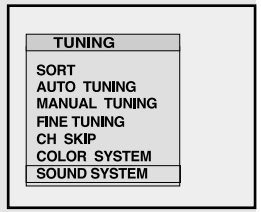
Storing the Channel Manually

When storing channels manually, you can choose:
whether or not store each of the channels found.
The number by which you wish to identify each stored channel.









1 Press the **MENU** button.
Result: The picture menu is displayed.

2 Use the **VOL◀** or **VOL▶** buttons to move the **FUNCTION** menu.

3 Press the **CH◀** or **CH▶** button to select the **TUNING** option and press the **SEL** button.
Result: The tuning menu is displayed.

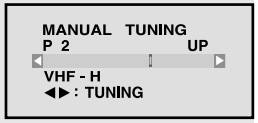
4 Press the **CH◀** or **CH▶** button to move the **COLOR SYSTEM** and press the **SEL** button.

5 Press the **VOL◀** or **VOL▶** button repeatedly until the **COLOR SYSTEM** is of the best quality.
Result: The **COLOR SYSTEM** is changed.
PAL-> SECAM-> AUTO

6 Press the **MENU** button.
Result: The tuning menu is displayed.

7 Press the **CH◀** button to move the **SOUND SYSYEM** and press the **SEL** button.

8 Press the **VOL◀** or **VOL▶** button repeatedly until the **SOUND SYSTEM** is of the best quality.
Result: The sound system is changed.
BG ➡ DK ➡ I



9 Press the **MENU** button.

10 Press the **CH▼** or **CH▲** buttons to move the **MANUAL TUNING** and press the **SEL** button.

11 To assign a program number to the channel, press the **CH▼** or **CH▲** button until you find the correct number.

12 Press the **VOL◄** or **VOL►** button to start the search.

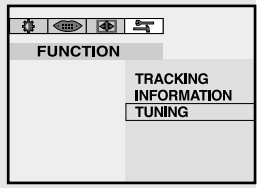
13 Press the **Menu** button when the screen is fine tuned and the data will be automatically stored in memory.

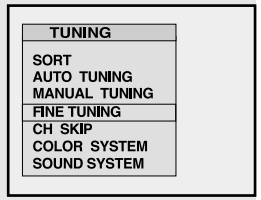
14 Repeat steps 10~13 for each channel to be stored.

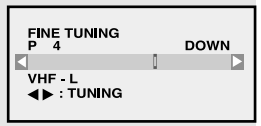
15 When you have finished manual storage, press the **MENU** button repeatedly to return to normal viewing.

Fine Tuning Channel Reception

If the reception is clear, you do not fine-tune the channel, as this is done automatically during the search and store operation.
If however the signal is weak or distored, you may have to fine-tune the channel manually.







1 Press the **MENU** button.
Result: The **PICTURE** menu is displayed.

2 Use the **VOL◄** or **VOL►** buttons to move the **FUNCTION** menu.

3 Press the **CH▼** or **CH▲** button to select the **TUNING** option and press the **SEL** button.
Result: The tuning menu is displayed.

4 Press the **CH▼** or **CH▲** button to move the **FINE TUNING** and press the **SEL** button.

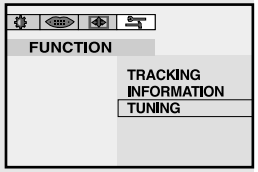
5 When a channel is right viewed by using the **VOL◄** or **VOL►** buttons, the Tuning is automatically set.

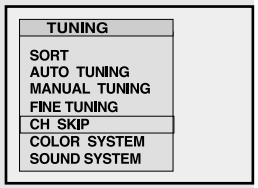
6 Press the **MENU** button repeatedly until the menus disappear.

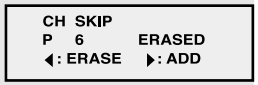
Channel Memory (PAL model)

Skipping Unwanted Channels

You can exclude the channels of your choice from the channel scan operation. When you scan through the stored channels, those you have chosen to skip are not displayed.







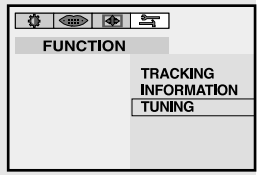
1. Press the **MENU** button.
2. Use the **VOL** ◀ or **VOL**▶ buttons to move the **FUNCTION** menu.
3. Press the **CH** ▼or **CH** ▲button to select the **TUNING** option and press the **SEL** button.
   Result: The tuning menu is displayed.
4. Press the **CH** ▼or **CH** ▲button to move the **CH SKIP** and press the **SEL** button.
5. Press the **CH** ▼or **CH** ▲button to select the required channel.
6. To add or erase the desired channel by pressing the **VOL** ◀ or **VOL** ▶ .
   VOL ◀ :**ERASE** , **VOL** ▶ :**ADD**
7. Press the **MENU** button repeatedly until the menus disappear.

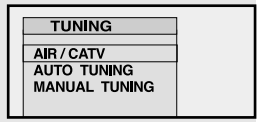
Channel Memory (NTSC model)

Your TV can memorize and store all of the channels available. Once the channels are menorized, you can use the **CH**▼ , **CH**▲ buttons to scan through the available channels.

Selecting the Broadcast Source

Before memorizing available channels, you must select what broadcat source your **TV** is connected to either an antenna or a cable system.





1. Press the **MENU** button.
   Result: The : **PICTURE** menu is displayed.
2. Use the **VOL** ◀ or **VOL**▶ buttons to select the **FUNCTION** menu.
3. Press the **CH** ▼or **CH** ▲button to select the **TUNING** then press the **SEL** button.
   Result: The **TUNING** menu is displayed.
4. Use the **CH**▼ or **CH**▲ buttons to select **AIR/CATV** then press the **SEL** button.
5. If antenna is connected, leave it as **AIR** displayed. If cable connected, press the **VOL**◀ or **VOL**▶ buttons to select **STD**.

Channel Memory (NTSC model)

Storing Channels in Memory Automatically

AUTO TUNING
AIR 30
MENU : STOP

1 First, select the broadcast source as described on the previous page. With the **TUNING** menu on screen, move the **CH▼** button down to select **AUTO TUNING**.

AIR 30

2 Press the **SEL** button. The TV will begin memorizing all of the available stations.

Adding and Erasing Channels

1 Use the numeric buttons to select the channel you want to add or erase.

FUNCTION
TRACKING
INFORMATION
TUNING
LANGUAGE

2 To add a channel or erase channel, press the **MENU** button.

3 Use the **VOL◄** or **VOL►** buttons to select the **FUNCTION** menu.

TUNING
AIR / CATV
AUTO TUNING
MANUAL TUNING

4 Use the **CH▼** or **CH▲** buttons to select **TUNING** then press **SEL** button.
Result: The **TUNING** menu is displayed.

5 Use the **CH▼** or **CH▲** buttons to select **MANUAL TUNING** then press the **SEL** button.

MANUAL TUNING
AIR 11 ERASED
◄ : ERASE ►: ADD

6 Use the **VOL◄** or **VOL►** buttons to select.
VOL◄ : **ERASE**, **VOL►** : **ADD**

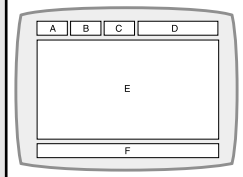
7 Press the menu button repeatedly until the menus disappear.

Teletext (Option)

Teletext Decoder

Most television channels carry “teletext”, pages of written information that provide information such as :

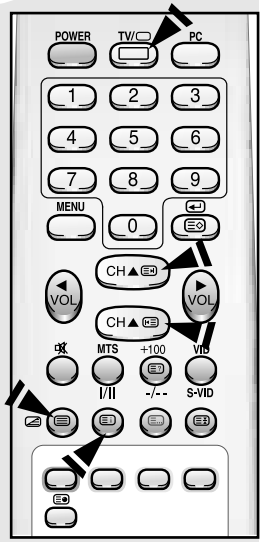
- Television programme tables
- News bulletins
- Weather forecasts
- Sports results
- Subtitles for the hard of hearing



The teletext pages are organized according to 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 watch teletext information at any time, but signal reception must be good. Otherwise:

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

To activate the teletext mode and display the contents page :

1 Using the ▲ (⊞) or ▼ (⊟) button, select the channel providing the telext service.

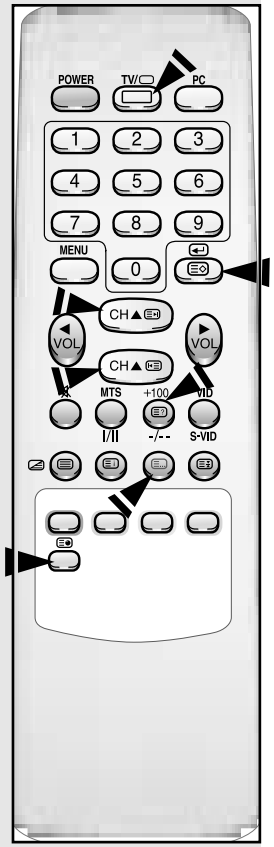
2 Press the TTX/MIX (⊜ / ⊘) button to activate the teletext mode.
Result: The contents page is displayed. It can be redisplayed at any time by pressing the INDEX (⊡) button.

3 To display the actual broadcast simultaneously with the teletext page, press the TTX/MIX(⊜ / ⊘) button.

4 To return to normal viewing, press the TV(▭)button.

Teletext (Option)

Teletext Decoder



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

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 with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the **HOLD** ( ). Press the **HOLD** again to resume.

3 Using the various display options:

To display...	Press the ...
• Both teletext information and the mormal 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** ( )

APPENDIX A : Power Saver

This monitor has a built-in power management system called Power saver. This system saves energy by switching your monitor into a low-power mode when it has not been used for a certain period of time. The available modes are “On”, “Standby”, “Sleep” and “Deep Sleep”. Power Saver operates with a VESA DPMS compliant video card installed in your computer. You use a software utility installed on your computer to set up this feature. See below table for details.

Srate	Normal Operation	Power-Saving Function mode (EPA / ENERGY 2000)		
		Standby Mode	Sleep Mode Position A1	Deep Sleep Mode Postition A2
Horizontal Sync Vertical Sync Video	Active Active Active	Inactive Active Blanked	Active Inactive Blanked	inactive Inactive Blanked
Power Indicator	Green	Amber	Amber Blinking (0.5 sec interval)	Amber Blinking (1 sec. interval)
Power Consumption	30W (Max.)	Less than 3W	Less than 3W	Less than 3W

NOTE : This monitor automatically returns to normal operation when horizontal and vertical sync return. This occurs when you move the computer’s mouse or press a key on the keyboard.

APPENDIX B : Troubleshooting

If you have a problem setting up or using your LCD monitor, you may be able to solve it yourself.
Before contacting customer service, try the suggested actions that are appropriate to your problem.

What you see...	Suggested Actions	Reference
Screen is blank and power indicator is off	● Ensure that the power cord is firmly connected and the LCD monitor is on.	Connecting a PC, page 12.
“CHECK CABLE OR SIGNAL” message	● Ensure that the signal cable is firmly connected to the PC or video sources. ● Ensure that the PC or video sources are turned on.	Connecting a PC, TV or VCR, Page 12,18.
“INVALID MODE” message	● Check the maximum resolution and the frequency of the video adaptor. ● Compare these values with the data in the Display Modes Timing Chart.	PC Stable Adjustment, page 17. APPENDIX D:Display Modes page 34.
The image is too light or too dark	● Adjust the Brightness and Contrast.	BRIGHTNESS, page 14,19. CONTRAST. page 14,19.
Horizontal bars appear to flicker, jitter or shimmer on the image	● Adjust the Clock function. ● Auto Tracking will clear it automatically.	PC Stale Adjustment. page 17.
Vertical bars appear to flicker, jitter or shimmer on the image.	● Adjust the Phase function and then adjust the Clock function. ● Auto Tracking will clear it automatically.	
Screen is blank and power indicator light is steady amber or blinks every 0.5 or 1 seconds	● The monitor is using its power management system. ● Move the computer’s mouse or press a key on the keyboard	APPENDIX A : Power Saver, page 30.
Image is not stable and may appear to vibrate	● Auto tracking will clear it automatically ● Check that the display resolution and frequency from your PC or video board is an available mode for your monitor. On your computer check : **Control Panel, Display, Settings**	PC Stable Adjustment, page 17.
	● Horizontal frequency ● Vertical frequency ● Maximum refresh rate	31 KHz - 69KHz 56Hz - 85Hz 1024 * 768 @85Hz
Image is not centered on the screen.	● Auto Position will set the best position automatically ● Adjust the horizontal and vertical position.	AUTO POSITION, page 16. H-POSITION, page 16. V-POSITION, page 16.

APPENDIX B : Troubleshooting

Problem	Suggested Actions	Reference
No sound	● Ensure that the audio cable is firmly connected to both the audio-in jack on your monitor and the audio-out jack on your sound card.	Connecting a PC, TV or VCR, page 12,18.
	● Check the volume level	Adjusting the Sound settings, page 15, 20.
Sound level is too low	● Check the volume level	
	● If the volume is still too low after turning the control to its maximum, check the volume control on the computer sound card or software program.	Refer to your computer, sound card or software documentation.
Sound is too high pitched or too low pitched	● Adjust the Treble and Bass to appropriate level.	Adjusting the Sound Settings, page 15, 20.
TV signal is not received	● Ensure that the antenna cable is firmly connected to the VHF/UHF jack.	Conncting to watch TV or VCR, page 18.
	● Check “Channel Memory” and make sure you choose the correct channel system.(PAL Model)	Channel Memory, page 21, 22.
	● Select “Auto Tuning” to configure the channel system automatically.(PAL Model)	
	● Check AIR/CATV is correctly selected on screen display menu. (NTSC Model)	Selecting Broadcast Source, page 26.

APPENDIX C : Specification

FUNCTION			MONITOR	TV(PAL model)	TV(NTSC model)
LCD Panel	Type		15.1 " TFT AM LCD		
	Display Area		307.2mm x 230.4mm		
	Display Color		262,144		
	Pixel Pitch		0.3mm x 0.3mm		
	Max. Resolution		XGA 1024 x768 (@85Hz)		
	Interface		TTL / TMDS		
	Viewing Angle		120 degrees horizontal / 90 degrees vertical		
	contrast Ratio		200 : 1(typical) / 250 : 1(typical) / 500 : 1(typical)		
	Brightness		200cd/m² / 250cd/m² / 500cd/m²		
	Physical Rotation		+30 degree Up, -5 degree Down		
	Horizontal Frequency		31 ~ 69KHz		
	Vertical Frequency		56 ~ 85Hz		
	Dimension		380(W)mm x 297(H)mm x 168(D)mm		
Input / Output	Video Input		PC Analog RGB	A/V, S-Video, SCART	A/V, S-Video
	Audio Input		PC Audio (Option)	PC Audio, A/V, S-Video, SCART	PC Audio, A/V, S-Video
	Audio Output		Monitor Out (Option)		
TV Signal	Area		None	EU(Except France), Australia	USA
	Antenna Input		None	75Ω Coaxial Cable	
	Tuning System		None	Programmable Frequency Synthersizer	
	Color System		None	PAL/SECAM, NTSC	NTSC
	Sound System		None	B/G, D/K, I	M
	Tuning Range	VHF Low	None	E2Ch(48.25MHz)~ S10Ch(168.25MHz	1Ch(91.25MHz)~ C22Ch(165.25MHz)
		VHF High	None	E5Ch(175.25MHz)~ S41Ch(463.25MHz)	4Ch(171.25MHz)~ C38Ch(313.25MHz)
		UHF	None	E21Ch(471.25MHz)~ E69Ch(885.25MHz)	13Ch(471.25MHz)~ 62Ch(765.25MHz)
	Teletext		None	Option	None
Regulation	Safety		UL, CSA, FCC, CE, CCIB, EIAJ		
	EMI		CE, C-Tick		
Others	Power		Stand - by : 3Watt / Operation : 30Watt		
	Speaker Output		3W(MPO) x 2EA (Option)		
	Plug & Play level		DDC 1/2B		
	Weight		NET 4.6Kg / Gross 5.5Kg		
	PowerSupply		DC 12V, 3.5A, 50/60Hz		

- Specification can be changed without prior notice.

APPENDIX D : Display Modes

If the signal from the system equals to the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal to the standard signal mode, adjust the mode with referring to the Videocard user guide because the screen might not diplay or only the power LED might be on. For the display modes listed below, the screen image has been optimized during manufacture.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
VGA	720 * 400	31,469	70,087	28,322	- / +
	640 * 480	31,469	59,940	25,175	- / -
	640 * 480	37,500	75,000	31,500	- / -
	640 * 480	43,269	85,008	36,000	- / -
SVGA	800 * 600	46,875	75,000	49,500	+ / +
	800 * 600	53,674	85,061	56,250	+ / +
XGA	1024 * 768	48,363	60,004	65,000	- / -
	1024 * 768	60,023	75,029	78,750	+ / +
	1024 * 768	68,677	84,997	94,500	+ / +

Memo

Memo