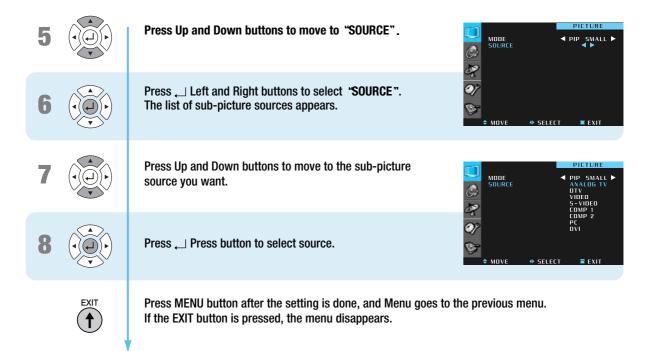


How to Set the INPUT for the Sub-Picture

This function is available only in the PIP mode.

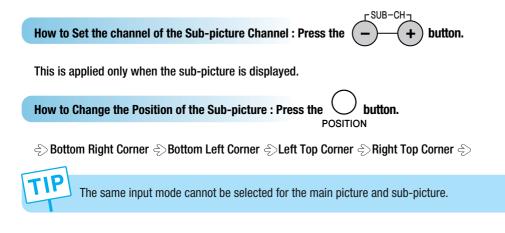


You can set the PIP mode quickly using the remote control.

How to Select the PIP : Press the button.	
PIP Whenever you press this button, the PIP mode is selected or deselected.	
How to Select the Size of Sub-picture : Press the 🕖 button.	DTV
SIZE Whenever you press this button, the size of the Sub-picture changes.	ANALOG TV DTV VIDEO 5-VIDEO
How to Select the INPUT : Press the 🕖 button.	COMP 1 COMP 2
SOURCE	PC
Press the \blacktriangle \checkmark buttons to select the INPUT and then select \leftarrow .	DVI
How to Switch the PIP to Sub-picture : Press the Swap	♦ MOVE ◀ SELECT
SWAF	

Whenever you press this button, the Main picture and Sub-picture are switched each other.

HYUNDAI Vvuon Digital LCD TV



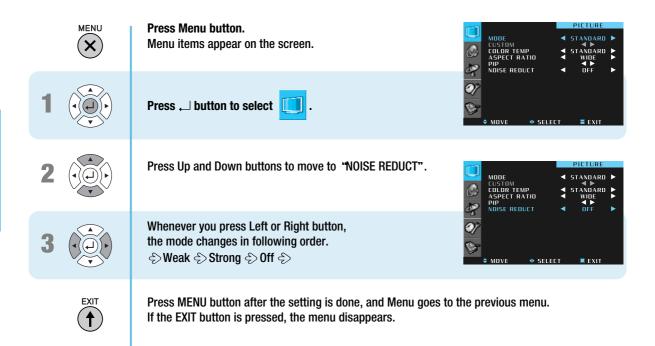
Supported PIP Table

Sub Main	PC	DVI	DTV	Component 1	Component 2	Analog TV	Video	S-Video
PC	X	Х	Х	Х	Х	0	0	0
DVI	X	Х	X	X	X	0	0	0
DTV	X	Х	X	X	X	0	0	0
Component 1	X	X	X	X	X	0	0	0
Component 2	X	Х	X	X	X	0	0	0
Analog TV	0	0	0	0	0	X	0	0
Video	0	0	0	0	0	0	X	0
S-Video	0	0	0	0	0	0	0	Х
Memory	Х	X	Х	Х	Х	X	X	X

PIP : $0 \rightarrow$ Supported, $X \rightarrow$ Not Supported



How to Reduce Noise

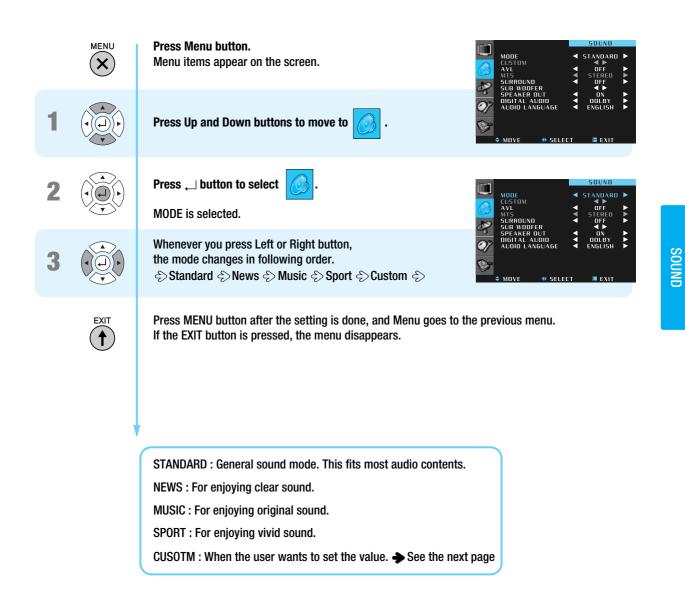




In the Noise Reduction, the more you reduce the screen noise, the more the sharpness level of the pictures may become degraded.

How to Select the Audio Mode

Users can adjust sound mode automatically as they want.



How to Directly Select Sound Mode : () Press MODE. button.

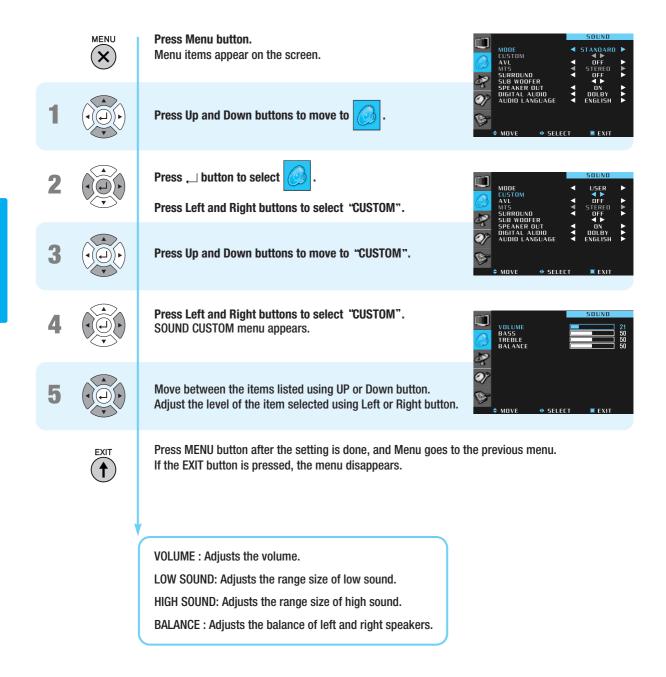
Users can select ${\not >}$ Standard ${\not >}$ News ${\not >}$ Music ${\not >}$ Sport ${\not >}$ Custom .

38



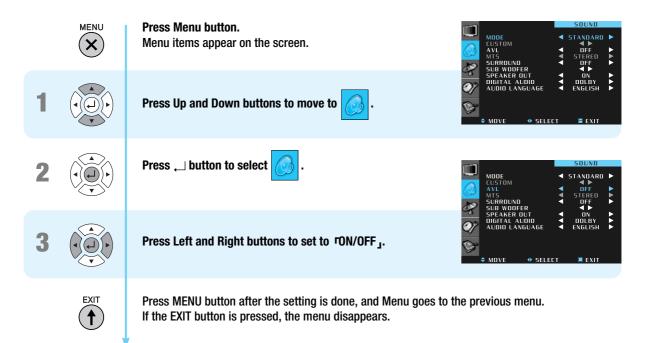
How to Adjust the Desired Audio Mode

Users can adjust sound mode automatically as they want.



How to Use the Automatic Volume Control

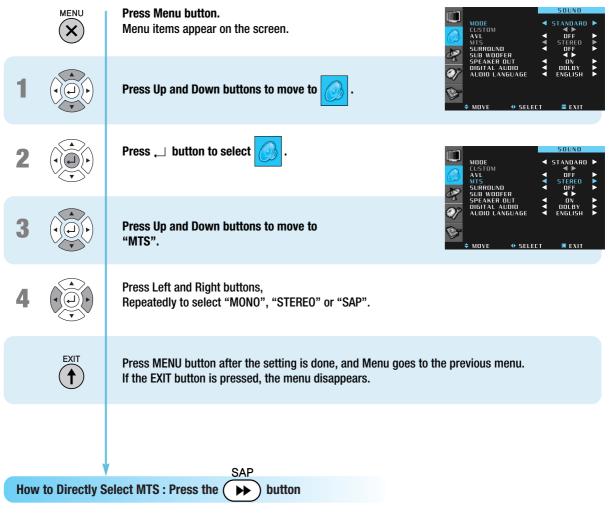
With this Automatic Volume Level Control, everything you watch will always maintain the volume level that you decide.





How to Select MTS(Multi-Channel Sound)

Depending on the particaular program being brodcast, you can select stereo, mono, or a Separate Audio Program. (SAP audio is usually a foreign-language translation. Somtimes SAP has unrelated information like news or weathter.)



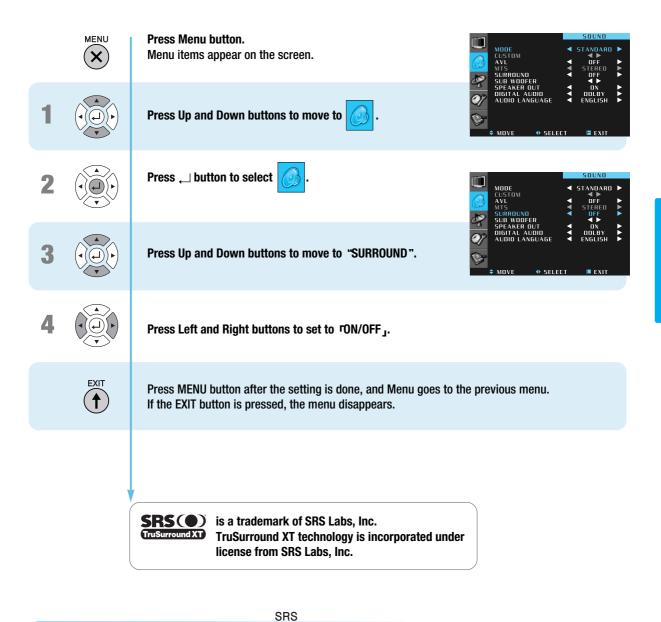
Repeatedly to select "MONO", "Stereo" or "SAP".

- Choose "Stereo" for channels that are broadcasting in STEREO.
- Choose "MONO" for channels that are broadcasting in MONO, or if you are having difficultly receiving a STEREO signal.
- Choose "SAP" to listen to the seperate audio program, which is usually a foreign-language translation.
- * You can select one of the languages listed you prefer when you watch a digital program that is supported with foreign language.



How to Listen to SRS TruSurround XT (Surround)

Users can enjoy spectacular 3D sound.





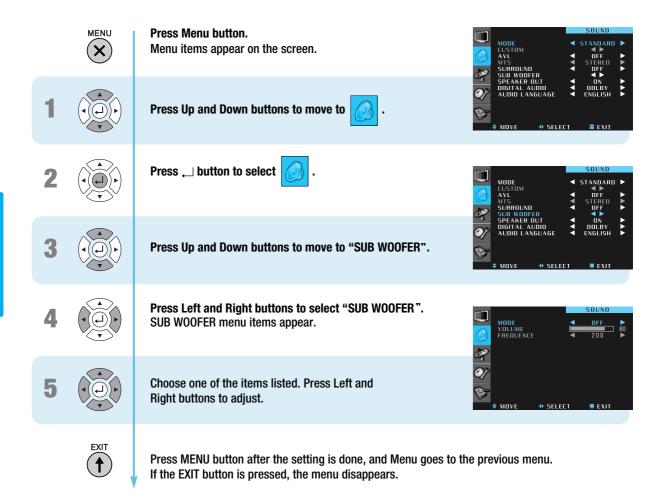
Whenever you press this button, the mode shifts \leq ON \leq OFF in order.





How to Set the Output of Subwoofer

You can set this function when you wish to install your subwoofer system.



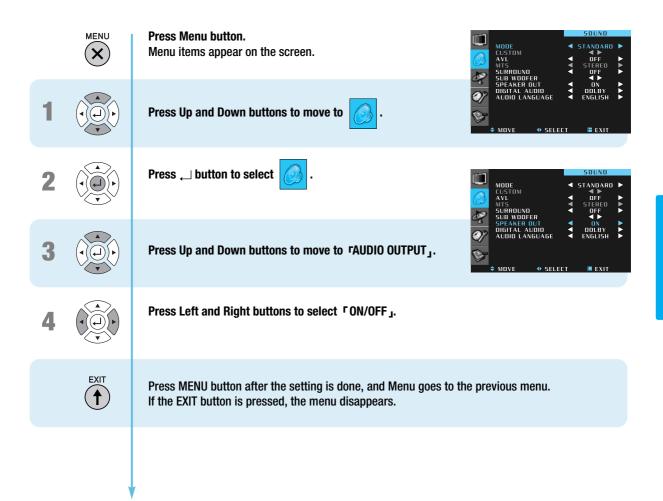


- The frequencies in the entry are the subwoofer's frequency range.

- You make sure to use a subwoofer speaker system with built-in amplifier.

How to Set the Audio Output

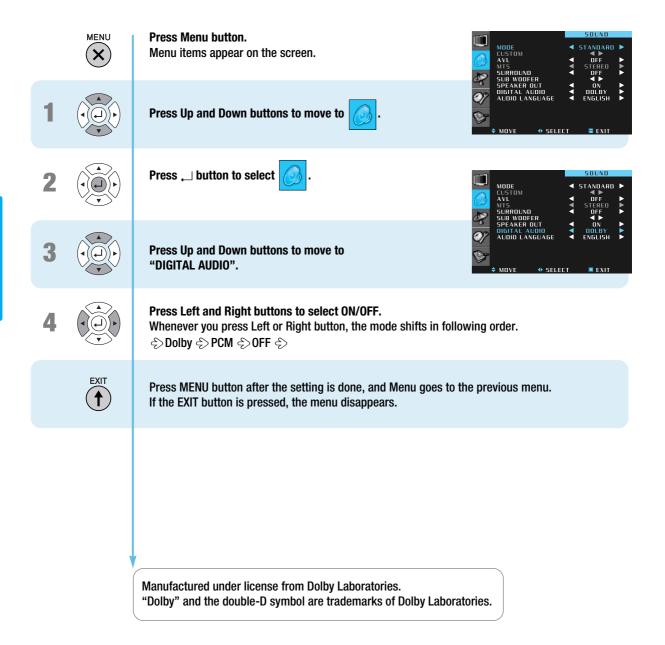
If you wish to use an external audio system, you can turn off the TV speakers.





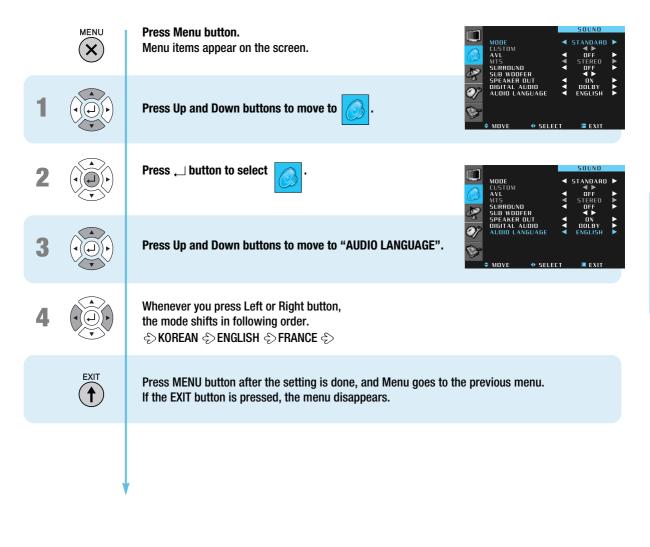
How to Set the Digital Audio Output

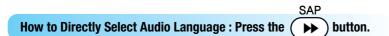
The digital audio output terminal allows you to enjoy digital sound. (For more details, see page 28)



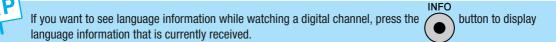
How to Set Audio Language

While watching a digital program, you can listen to foreign language if the program is supported with foreign language.





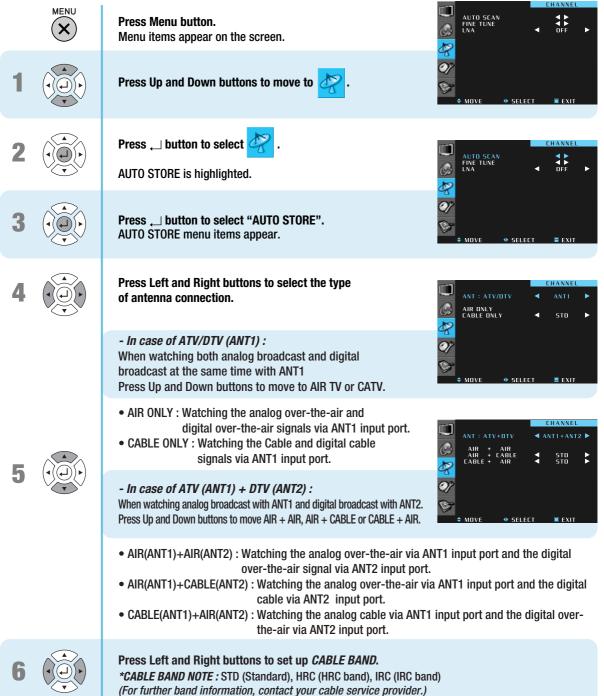
Whenever you press this button, the mode shifts \Rightarrow MONO \Rightarrow STEREO \Rightarrow SAP in order when receiving analog signals. You can select one of the languages listed you prefer when receiving digital signals.

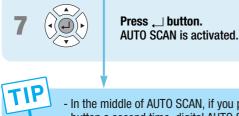




How to Store Channels Automatically

- Your TV can memorize and store all of the available analog/digital broadcast signals for both "off-air" (antenna) and cable channels.
- Before your television can begin memorizing the available channels, make sure to specify the type of the signal source (antenna or cable) connected to your TV.

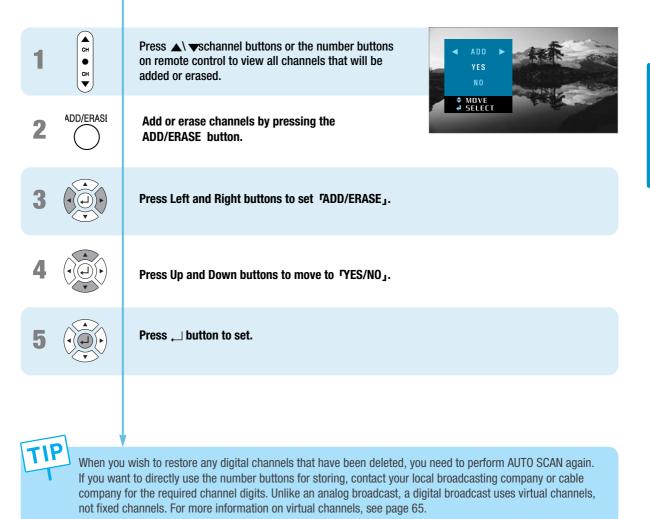




- In the middle of AUTO SCAN, if you press , button once, analog AUTO SCAN is interrupted. If you press , button a second time, digital AUTO SCAN is interrupted. Press the Menu button to exit. Then the original channel is returned.
- If you have changed the connection of an antenna or cable, perform AUTO SCAN again.

How to Add/Erase Channels Manually

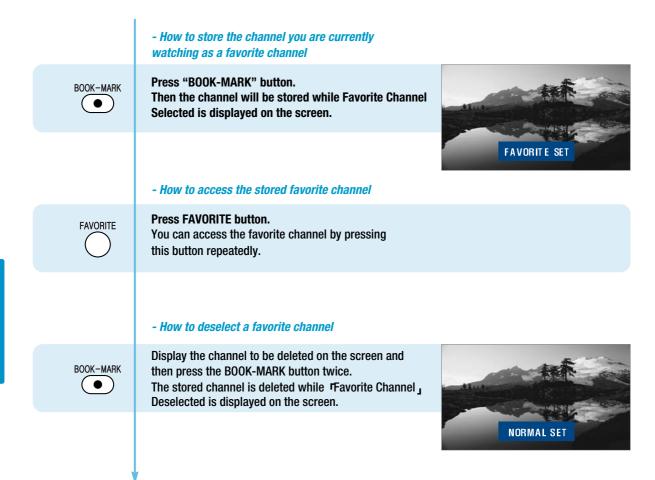
Users can add or erase the desired channels.





How to Set Favorite Channels

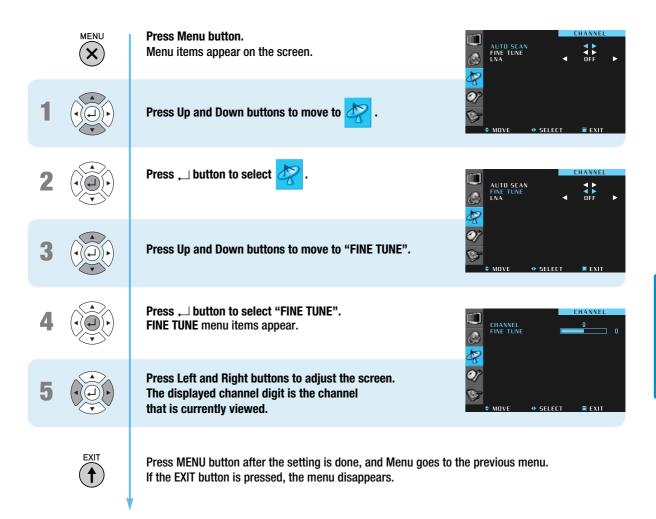
Users can store frequently watched channels to quickly access a preferred channel.





How to Fine Tune Channel Reception

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

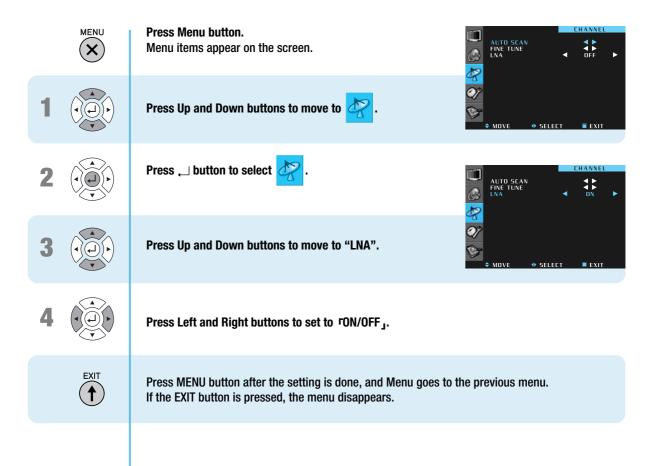






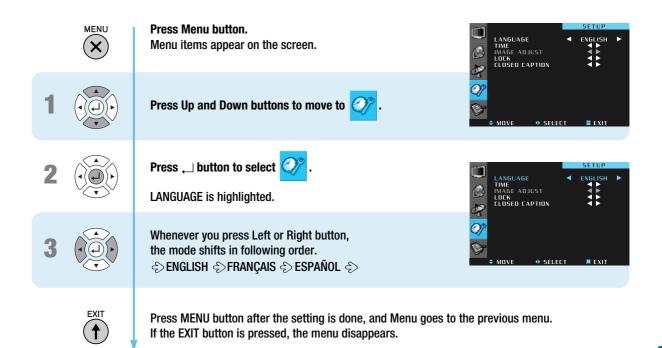
How to the LNA (Low-Noise-Amplifier) Feature

If the reception is clear, you don't have to use this feature. If the signal is weak or distorted, perform the following steps.



How to Choose Your Language

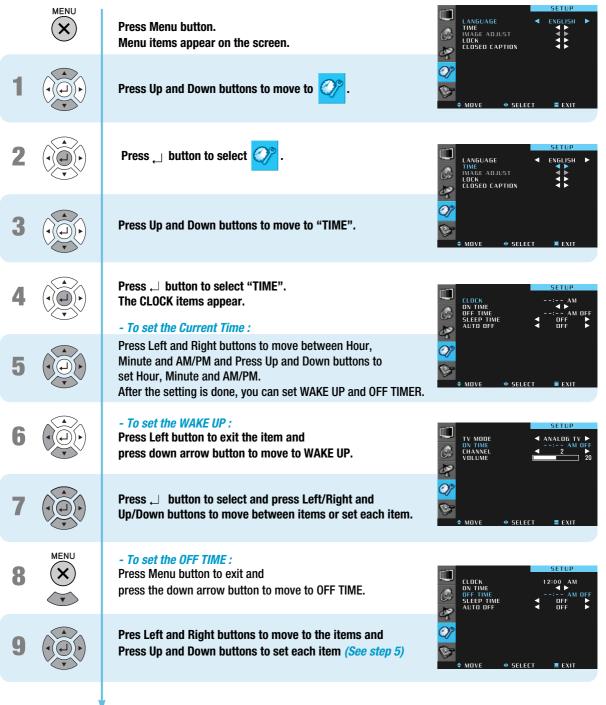
Users can select their language preference in order to display main menus and sub menus, etc.





How to Set Clock, On/Off Time, Sleep Time

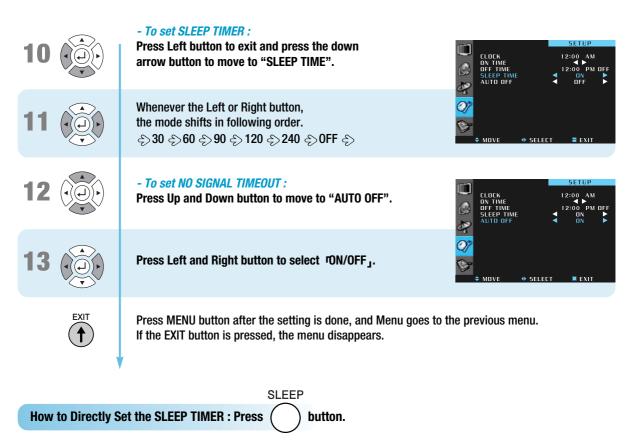
- You can automatically turn on or off the TV at a preset time. To do this, you must set the clock if you wish to use the automatic on or off timers.
- No Signal Timeout allows you to automatically turn off the TV if there is no broadcast signal for a certain period of time.



Continued on next page

HYUNDAI Vvuon Digital LCD TV

Continued from previous page..... (Set the SLEEP TIMER and NO SIGNAL TIMEOUT)

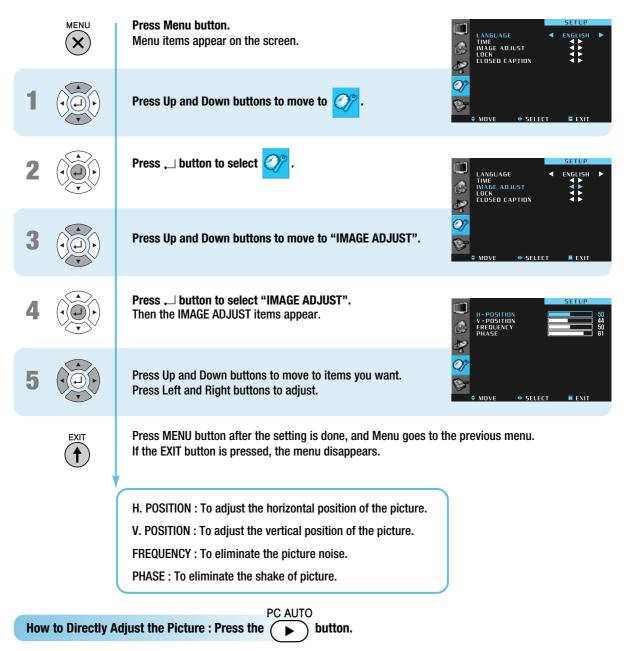


Whenever this button, the mode shifts \Rightarrow 30 \Rightarrow 60 \Rightarrow 90 \Rightarrow 120 \Rightarrow 240 \Rightarrow 0FF \Rightarrow in order.



How to Set the Geometry in PC Mode

This function is only available in PC mode.

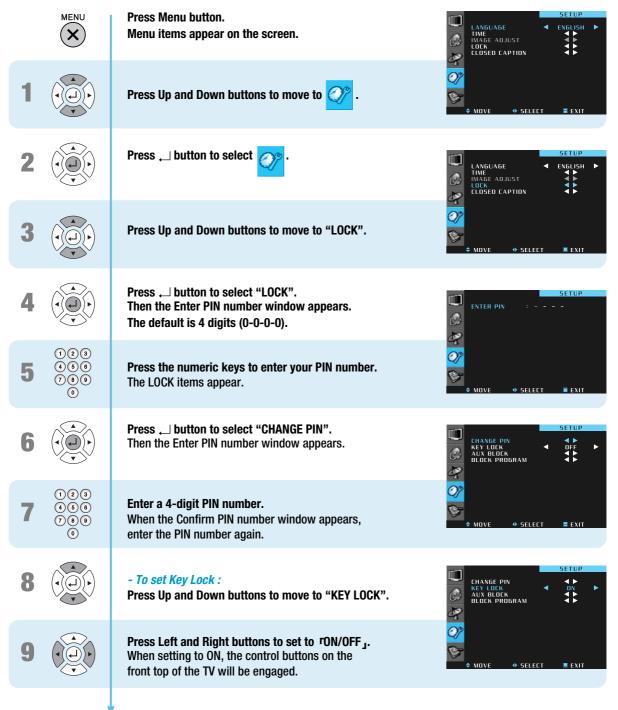


The picture will be automatically optimized for viewing.



How to Set Key Lock

This function is used to prevent from using the control buttons on the front top of the TV or from connecting external devices to the TV. You make sure to set a PIN number to use this function.



SETUP



Continued from previous page..... (Set the Lock External Signal function.)

- To set Aux Block :

Press Up and Down buttons to move to "AUX BLOCK".



Press $_$ **button to select "AUX BLOCK".** Then the AUX BLOCK items appear.

Press Up and Down buttons to move to the item you want. Press Left and Right buttons to set to rON/OFF_J. If the item is set to ON, such item is disabled.

Press MENU button after the setting is done, and Menu goes to the previous menu. If the EXIT button is pressed, the menu disappears.







- The Lock External SIGNAL function is designed to prevent a VCR or game player from being connected to the TV.
 If you forgot your PIN number, press the MENU + MTS + SLEEP + DISPLAY buttons on the remote control in sequence to restore the default number, 0-0-0.
- The Key Lock function will be disengaged when you turn off and then on AC power or when a power failure happens.

How To Set Block Program

This(V-Chip) is used to block program viewing based on the ratings sent by the broadcasting station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked.

V-Chip rating and categories

Rating guidelines are provided by broadcasting stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

Movie Ratings :	- Blocking Off	(Permits all programs)	
	- G	(General audience)	
	- PG	(Parental guidance suggested)	
	- PG-13	(Parents strongly cautioned)	
	- R	(Restricted)	
	- NC-17	(No one 17 and under admitted)	
	- X	(Adult only)	
If you set PG-13 : G and PG movies will be available , PG-13, R, NC-17 and X will be blocked.			

Ratings for Television programs including made-for-TV movies :

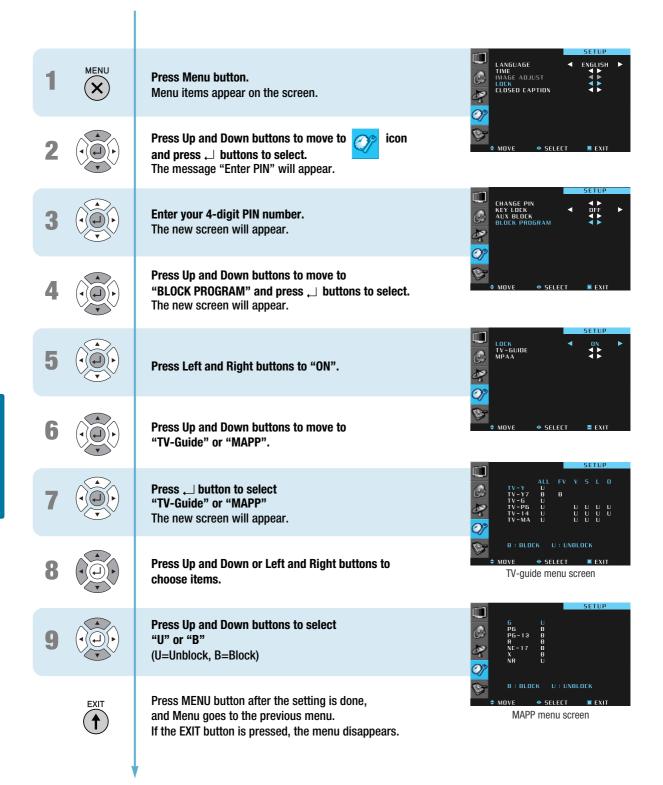
- TV-G (Ge	eneral audience)
- TV-PG (Pa	arental guidance suggested)
- TV-14 (Pa	arents strongly cautioned)
- TV-MA (Ma	ature audience only)
- TV-Y (Al	l children)
- TV-Y7 (Ch	nildren 7 years older)
	indicit i goulo oldoly

TV Rating Children : - Age	(applies to TV-Y, TV-Y7)
- Fantasy Violence	(applies to TV-Y7)

TV Rating General : - Age	(applies to TV-G, TV-PG, TV-14, TV-MA)
- Dialogue-sexual dialogue	(applies to TV-PG, TV-14)
- U Language-adult language	(applies to TV-PG, TV-14, TV-MA)
- Sex-sexual situations	(applies to TV-PG, TV-14, TV-MA)
- Violence	(applies to TV-PG, TV-14, TV-MA)



..... Continued from previous page.



SETUP

How to View Closed Captions

Choices in the closed caption menu are : CC Mode, Priority (Analog caption or Digital caption), and Option.

1. CC MODE :

ON : Captioning information is always shown, when available.

OFF : No captioning information is displayed.

On mute : Captioning information is only when the TV's sound is mute, when available.

(To mute the sound, press the mute button on the remote control and captioning information will appear on the screen, if available)

If you turned off the speakers in the Audio menu, closed captioning won't appear when you press the mute button on the remote.

2. PRIORITY :

1P

You can choose whether the TV uses digital or analog captions for digital TV programs that have both or either.

- ANALOG (CAPTION) : You can select a closed caption mode, which is the mode, or source, used for displaying captioning information for analog channels or digital channels, if available.

• CAPTION :

The form for the words that scroll across the bottom of the TV screen : usually the audio portion of the program provided for the hearing impaired.

CC 1 : For video related information that can be displayed. Script can be in any language.

CC 2/3/4 : Other modes used for video related information.

• TEXT :

The term for the words that appear in a large black frame and almost cover the entire screen : Usually message provided by the broad caster.

- **T 1** : Blanks out a large portion of the picture on the television screen, and display program guide or any other information currently being transmitted.
- T 2/3/4 : other modes that display information and blank out a large portion of the picture of the TV screen.

- DIGITAL (CAPTION) : You can select a closed caption, service mode(1-7) for digital channels.

The service modes support MPEG-2 based transport sources Service 1 and Service2 are the primary and secondary languages, respectively. Service3 and service4.5.6 are additional caption sources that may be available.

Continued on next page

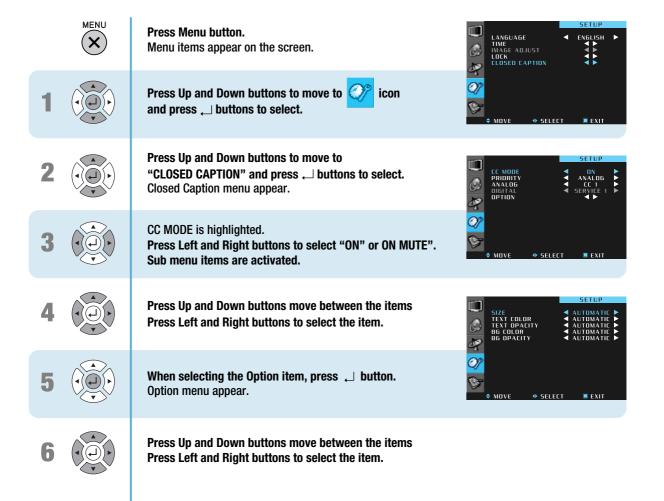


..... Continued from previous page.

3. OPTION :

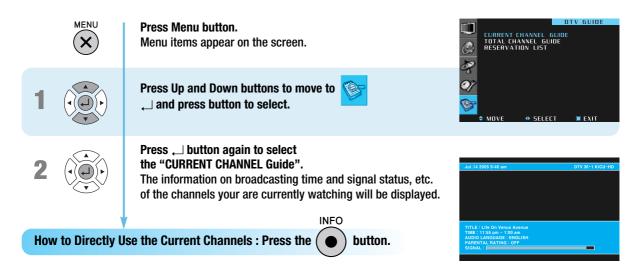
Customized closed captioning for the digital caption by choosing the settings for the following options :

SIZE : Set the size of the words - AUTOMATIC -> STANDARD -> LARGE -> SMALL. TEXT COLOR : Chose a color for the text - AUTOMATIC -> WHITE -> BLACK -> RED -> GREEN -> YELLOW -> MAGENTA -> AND CYAN. TEXT OPACITY : Specify the opacity for the text color - AUTOMATIC -> SOLED -> TRANSPARENT -> TRANSLUCENT. BG(BACKGROUND) COLOR : Select a background color - AUTOMATIC -> WHITE -> BLACK -> RED -> GREEN -> YELLOW -> MAGENTA -> CYAN. BG OPACITY : Specify the opacity for the background - AUTOMATIC -> SOLED -> TRANSPARENT -> TRANSLUCENT.



How to Use the Current Channel Guide

Users can get information on broadcasting time and signal status of the current digital channels.



How to Reserve TV Programs Using the Total Channel Guide

- Users can get the broadcasting time information of all the entire digital channels. To do this, it is required to set the current time first.
- The displayed broadcasting time may be different from that provided by your local broadcasting company.





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How to Use TV Program Reservation

If you have scheduled a TV program you are going to watch, the channel you are currently watching is automatically switched to the scheduled channel, or when your TV is in stand-by, the scheduled TV program is on at the defined time. If the AC power is off, this function is deactivated.

PROGRAM GL

	Continued from previous page.	DTV 14-1 KDTV-DT Juli 14 2005 490 am 06 Sun 9:00 am 10:00 am KDTV-DT Life On Knus Avenue CityPids at Noon KICU-HD Yes, Dear KSTS-1 Out of Sight CityPids At Noon KSTS-2
4	Press Up/Down and Left/Right buttons to move to a TV program to be scheduled.	KTEH-DT Big Brother Situation Comedy TITLE : CityPulse At Noon 0:59 am ~ 1:30 am <\$> MOVE ←I ENTER EXIT
5	Press ∟ button. A window "Will you schedule this program?" appears.	PROGRAM GUIDE DTV 14-1 KDTV-DT Jul 14 2005 5409 am 06 Sun 9:00 am 10:00 am KDTV-DT Life On knusa Avenue CityPuds At Noon CityPuds At Noon KGTS-1 Out of Sight KSTS-1 Out of Sight KSTS-1 RESERVATION
6	Press Left and Right buttons to move to FYES , if you want to schedule. If you don't want to schedule, move to F NO _J .	KTEH-DT YES > NO Connedy TITLE : CityP <>> MOVE 4 ENTER 0.59 am - 1:30 am <\$> MOVE 4 ENTER EXIT
7	Press ← button to set. If scheduled, the program title is highlighted in red and if scheduling is cancelled, the red disappears.	DTV 14-1 K0TV-DT UNI14 2005 500 am 06 Sun 9:00 am 10:00 am KDTV-DT Life On Yenus Avenue KDTV-DT Life On Yenus Avenue KIGU+HD Yes, Dear 1 That 705 Kaf5-2 Ott 95 (0) the Oft Public At Noon K5T2-1 Dut 95 (0) the Oft Public At Noon K5T3-2 Situation Consey
	You can check a listing of scheduled programs from the SCHEDULE LIST menu. For more details, <i>see the next page.</i>	ITTLE: ClyPulse At Noon 659 am < 130 am <\$> MOVE <j enter<="" td=""></j>
EXIT	Press MENU button after the setting is done, and Menu goes t If the EXIT button is pressed, the menu disappears.	to the previous menu.

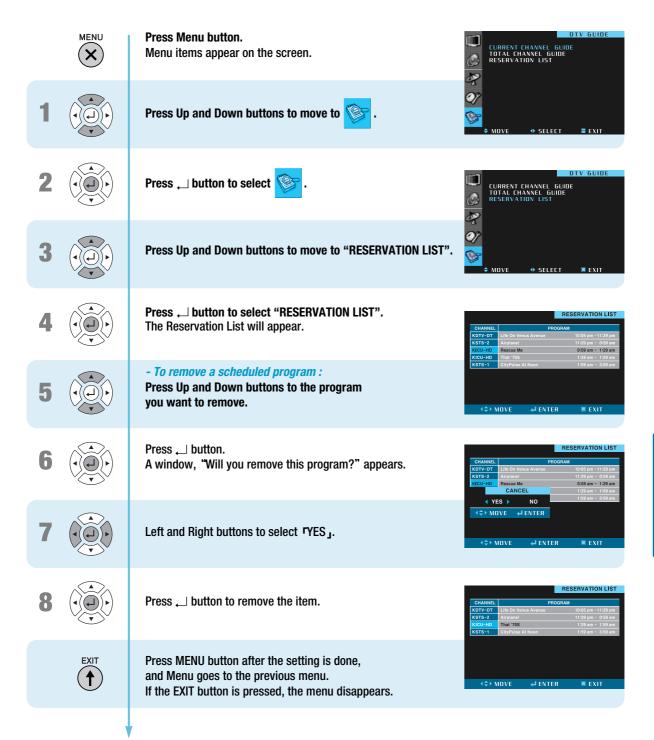
How to Directly Select the Entire Channel Information : Press the **II** button.



- You can schedule up to five TV programs at a time.
- When a scheduled TV program starts to broadcast, the program is automatically removed from the listing.
- You can schedule only TV programs on the air within 24 hours. This schedule keep updated. For example, if the current time is AM 10:00, any programs you want to schedule is allowed until AM 10:00 next morning.

How to Check or Cancel a Scheduled TV Program

Users can look through scheduled TV programs or remove a scheduled program from a listing of scheduled programs.





How to Use Memory Mode

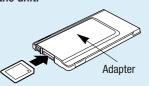
Please read the following instructions carefully before use.

▶ Precautions when using a Memory Card

- Ensure to use a memory card labeled with the manufacturer's name and manufacture number.
- Do not insert other objects such as a coin than a memory card into the memory card slot, which may cause a
 malfunction.
- Do not drop or apply a shock to memory cards.
- Keep a memory card in the provided case after use.
- Do not dismantle or modify memory cards.
- Avoid static electricity or electronic noise as this may damage data stored in a memory card.
- We cannot be liable for misuse of the TV set, any troubles during use, or other problems, or incorrect settings, except for those cases for which we are liable by law.
- Any damages arising out of the misuse of the TV set may result in damage to or loss of data.
- We are not responsible for any damaged data. To avoid this, ensure to back up an important file.
- This unit is designed for you to listen to personally converted MP3 files for personal use only. Also, when listening to any copyright-protected files, ensure to use a separate MP3 player.

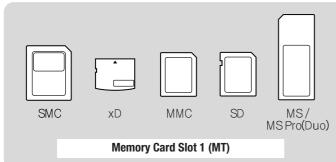
Precautions when inserting a memory card

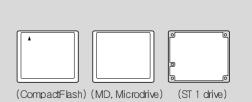
- Turn the TV set off before connecting all necessary cables.
- Insert a memory card with the label facing up avoiding twisting or skewing.
- Insert a memory card with the label facing up and the arrow on the label pointing toward the unit. Inserting the
 memory in upside down may result in damage to the memory card or unit.
- Do not attempt to remove a memory card while it is in operation. This may cause serious damage to the memory card or unit. Ensure to stop all memory cards before removing a memory card from the unit.
- Make sure the cards are completely and firmly inserted into the appropriate slots. Improperly seated cards will cause serious damage to memory cards or unit.
- Make sure the RSMMC, miniSD, T-FLASH, MS Duo and MS Pro Duo memory cards are inserted into an adapter. Contact the dealer where your memory card is purchased.



Commercially available memory cards (Sold separately)

- The available types of memory cards by slot are shown on the side of the TV.
- The playback speeds vary depending on the memory card types.





Memory Card Slot 2 (CF)

Supported Files

Available memory card capacity	 Microdrive SmartMedi xD-Picture MultiMedia Secure Dig Memory State 	ash : 8MB ~ 4GB : 1GB, 2GB, 4GB / 2.5GB, 5GB ia : 8MB ~ 128MB : 16MB ~ 512MB / 1GB(M-CARD) aCard/RS MMC : 8MB ~ 1GB ital/miniSD : 8MB ~ 1GB itck/Duo : 4MB ~ 128GB tick Pro/Duo : 256MB, 512MB, 1GB	 Using a memory card with capacity larger than the unit is capable of supporting may cause an error. A very high capacity of a memory card may result in slow speed. Some non-supported Jpeg or MP3 files may not be played back. 	
USB HOST –	USB 1.1 Host	 USB HDD, Flash Memory Bar MP3 Player (Available only in portable disk mode) Cellular Phone (Available only in portable disk mode) 		
	Power Supply	 Make sure to use TV USB power to separate power. Make sure to use separate power 	for USB HDD with 2.5" or less. Never use for 3.5" USB HDD.	

Supported Media File Types

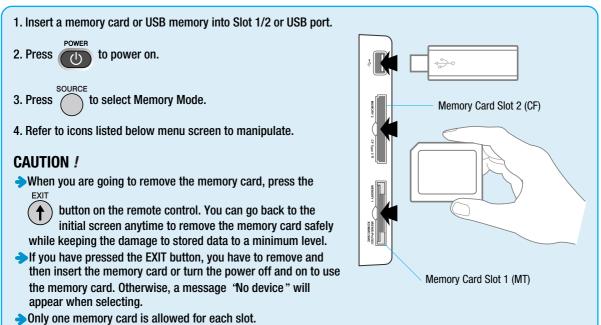
	Support	JPEG : JIFF, EXIF (.jpg)
Photo	Compatibility	Baseline JPEG : 5120x3840 (Max. Resolution) Progressive JPEG : 2048x1536 (Max. Resolution)
	Support	 DivX3, DivX4 • XviD (.avi) • MPEG-1 (.mpeg/.mpg) MPEG-2 (.mpeg/.mpg/.vob) • MPEG-4 (.mpeg/.mpg, asf)
Movie Compatibili		 DivX - 720 x 480 30fbs or less, - 720 x 576 25fbs or less AC3 support, MPEG-1 audio layer-2 and 3 encoded files GMC(Gobal Motion Compression), Q-Pel(Quarter Pixel) not supported. MPEG-2 - Main prolile@Main level, - 2Mbps below supported MPEG-4 - 640 x 480 (4Mbps or less), - MPEG-4V1 : not supported MPEG-4V2 : Simple Profile supported. Motion JPEG(.avi) - 640 x 480 15 frames/sec
Music	Support	MP3
wiusic	Compatibility	ID3 tag not supported · MP3i, MP3 PR0 not supported

Supported Compressed Jpeg/Image File Format

	Compressi	on method	Color format			
	Standard (Baseline)	Optimization (Progressive)				
JPG compression	0	0	Х	0	0	
Image display	Image	Image	Not supported	Image	Image	

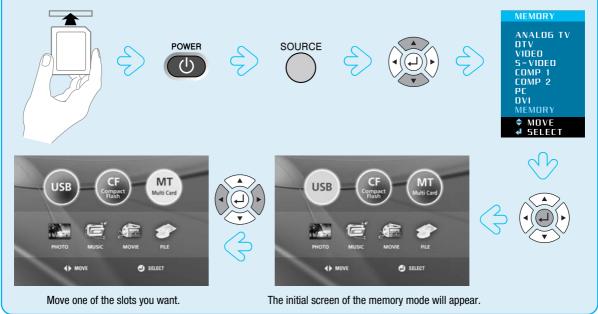


Using a Memory Card

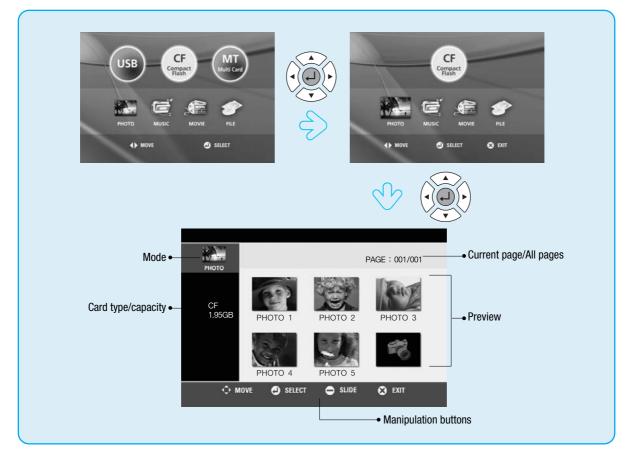


Shifting into Memory Mode

- Memory Mode allows you to play back photos, music, movies and motion pictures files that are stored in memory cards.
- · When selecting a slot into which no memory card is inserted, a message, "No device" will appear.



Viewing the stored photo files



► Viewing full-size photos

- 1. Press to move a photo file you want.
- 2. Press () to select.
- To the icon menus, press the button.

1) JFIF

- As decording is required when making a listing, decording time is different according to file sizes.

INFO

- While the slide show is in operation, music may be paused temporarily or corrupted according to the performance of the memory card or USB device.

2) EXIF

Listed files are quickly displayed when making a listing. This is because EXIF files that have been created by a digital camera, etc. contain already listings.

♦MOVE

🔶 ROTATE

д zoom

🜔 HIDDEN 🔀 EXIT



Viewing full-size photos

> Whenever you press (+) from the current screen, magnifying powers are shifted in sequence 😔 1.5X 会 2X 会 2.5X ⇒1X(original size).

After zooming in a photo, press to move.







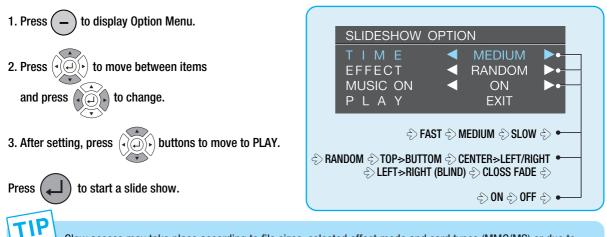
Rotating a photo

To rotate the photo by 90 degrees clockwise, press votice the photo by 90 degrees counterclockwise, press < > button.



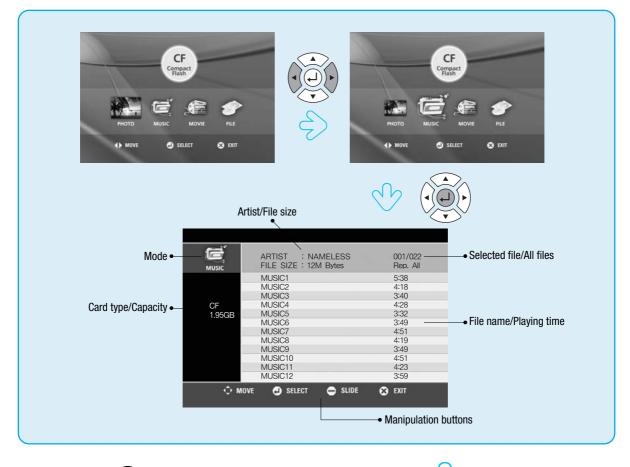


Viewing images using Slide Show



Slow access may take place according to file sizes, selected effect mode and card types (MMC/MS) or due to unsupported image files. This may result in difference in time taken to display images or corrupted music sound.

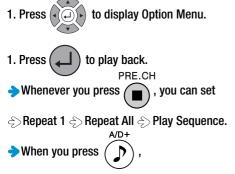
Viewing the stored music files

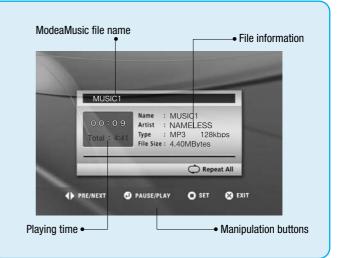


♦ When you press – , the slide show function

starts playing back music files according to the selected options in photo mode.

Playing back music files

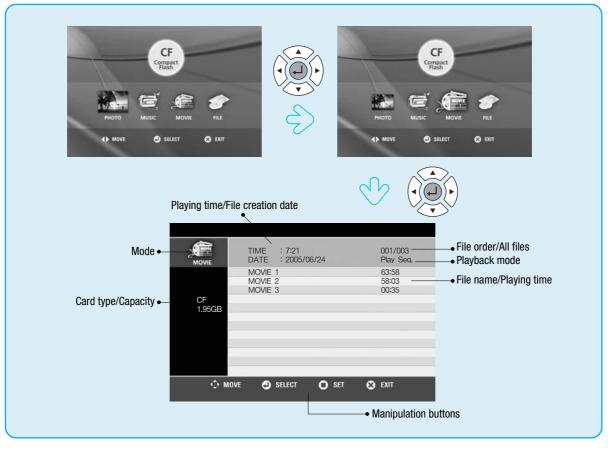




you can listen to music in power saving mode.



Checking the stored movie files



You can set to play back all files (Play Sequence) or selected file (Play One)

in sequence by pressing

PRE.CH

Playing back movie files

- 1. Press ()) to move to movie file you want.
- 2. Press (to select a movie file to play back.

> To hide the icon menus on the bottom of the screen,

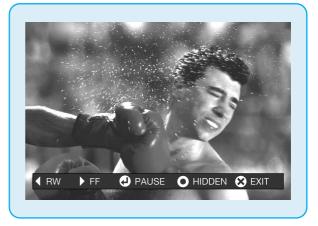
press .

To pause, press (

To perform Rewind or Fast Forward, press



To see running time, press (II) (BROADCAST).

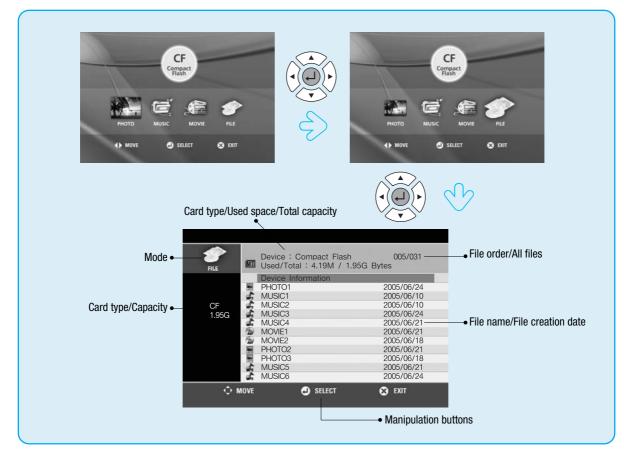




- Slow access may take place according to card types (MMC/MS). This may result in interruption of a motion picture being played back.

- When playing back a motion picture stored in a USB memory, an interruption may take place. This phenomenon is not because the product yields its low performance but because the transmission speed differs depending on the USB memory types.

Checking the stored movie files





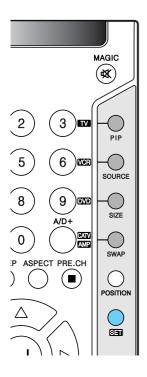
TIP

If you select, in Photo Mode, Music Mode or Movie Mode, one of the non-executable files or unrecognized files stored in the memory card, an error message, "No file in this mode" will appear.



How to Use an External Device Using the Remote Control

When setting other manufacturer's product using the remote control, some of the buttons on the remote control may not operate or different functions may be activated, or some of other manufacturer's products may not work. Some of DVD/VCR combos are allowed only either in DVD mode or VCR mode.



- 1. Turn on the external device you want to set.
- 2. Whenever you press \bigcirc button on the remote control, the mode shifts \Rightarrow TV \Rightarrow

 $VCR \Rightarrow DVD \Rightarrow CATV \Rightarrow in order.$

- 3. If the external device has been chosen, press the button and button at the same time for two seconds.
- 4. Enter an appropriate 3-digit number of the manufacturer from the DVD Setting Number Table. (If the product brand you want to set has multiple setting numbers, attempt to enter the setting numbers repeatedly until the product is turned off.)
- 5. When the product has turned off, press the (\mathcal{M}) button again.

(The appropriate button associated with the product will flash 3 times to show the product operates properly.)

- 6. Check that the Power button works normally and then check that other function buttons work normally.
- If the Power button works normally but other function buttons do not, repeat the above steps from the beginning.
- Depending on product brands or setting numbers, the power button may work normally but other function buttons do not work.

VCR Setting Number Table

MAKER	Setting Number	MAKER	Setting Number
AIWA	001		036, 037, 044, 046, 101, 129, 131, 138,
AKAI	016, 043, 046, 124, 125, 146		152, 153, 157
AMPRO	072	FISHER	003,008,009,010
ANAM	031	FUNAI	001
AUDIO DYNAMICS	012,023,039,043	GE	031, 072, 144, 147, 151, 156
BROOKSONIC	035, 037, 044, 129, 152	GO VIDEO	040,132,136
CANON	028,031	GOLDSTAR / LG	012, 101, 123, 163, 114
CAPEHART	108	HARMAN KARDON	012,045
CRAIG	003,040	HITACHI	001, 026, 137, 150, 156, 163
CURTIS MATHES	031,156	HUGHES	163
DEAWOO	005,007,010,108,110,112,116,117,	INSTANTREPLAY	031
	119	JCL	031
DAYTRON	108	JCPENNY	012,040,066,101,156,163
DIMENSIA	156	JENSEN	043
DBX	012,023,039,043	JVC	012,031,043,130,150
DYNATECH	001,053	KENWOOD	001,014,023,047
ELECTROHOME	059	LLOYD	001
EMERSON	001,006,017,025,027,029,031,035,	LXI	001,003,009,017

HYUNDAI Vvuon Digital LCD TV

MAKER	Setting Number	MAKER	Setting Number
MAGIN	040	SAMSUNG	032, 034, 040, 104, 112, 113, 115, 120,
MAGNAVOX	001,031,067,068,154		122, 125, 159
MARANTZ	012,023,031,067,067,069	SANSUI	022,043
MARTA	101	SANYO	003, 007, 010, 014, 102, 134
MATSUI	027,030	SCOTT	017, 037, 044, 112, 129, 131, 159
MEI	031	SEARS	003,008,009,010,014,017,081,101
MEMOREX	001,003,010,014,031,053,072,101		163
	102, 134, 139	SHARP	031,053,054
MGA	045,046,059	SHINTOM	024
MINOLTA	156,163	SIGNATURE	001
MITSUBISHI	045,046,051,059,061,162,163	SONY	003,031,052,056,057,058,155
MTC	001,040	SOUNDESIGN	001
MULTITECH	001,024	STS	163
NEC	012,023,039,043	SYLVANIA	001,031,059,067
NORDMENDE	043	SYMPHONIC	001
OPTONICA	053,054	TANDY	001,010
PANASONIC	031,066,070,133,161	TATUNG	023,039,043
ΡΕΝΤΑΧ	031,156,163	TEAC	001,023,039,043
PHILCO	001,031,067	TECHNICS	031,070
PHILIPS	001,031,054,067,071,101	TEKNIKA	001,019,031,101
PILOT	101	ТМК	006
PIONEER	021,163	TOSHIBA	008, 042, 047, 059, 082, 112, 131, 163
PORTLAND	108	TOTEVISION	040, 101
QUARTZ	002,014	UNITECH	040
QUASAR	031,066,070,133,161	VECTORRESEARCH	012
RADIO SHACK	123	VIDEO CONCEPTS	001,012,046
RCA	001,031,040,140,144,147,151,156	VIDEOSONIC	040
	163	WARDS	001,003,017,024,031,040,053,054,
REALISTIC	001,003,008,010,014,031,040,053,		131, 163
	054,101	YAMAHA	001,012,039,043
RICO	058	ZENITH	001,056,058,072,080,101
SALORA	014		

DVD Setting Number Table

MAKER	Setting Number	MAKER	Setting Number
AIWA	020, 029	HYUNDAI	067
AKAI	027, 034, 042, 049, 068, 069	JVC	005,015,081
AKIRA	033	KENWOOD	010,060,062,065
ALBA	029,033,042,056	LOGIX	034,067
ALPINE	009	MAGNAVOX	005,008,038,048,057,071
APEX DIGITAL	024,075,076	MATSUI	001,029
CALIFORNIA AUDIO	001	MICROSOFT	006
DAEWOO	004,034,046	MITSUBISHI	032,042,057
DA EWOO IN TERN ATIONA	L 033	MIZUDA	071
DANSAI	004,067	NAD	057,063,077
DENON	019, 030, 043, 044, 065, 226	ONKYO	005,016,207
FISHER	001	ORION	029
FUNAI	029	PANASONIC	001,003,039,051,054,065,079
GE	035,056	PHILIPS	005,038,048,080
GOLDSTAR / LG	014,063,078,028,041	PIONEER	073,055,057
HARMAN KARDON	217	PROSCAN	006,035
HITACHI	011,013,021,022	QUASAR	001



MAKER	Setting Number	MAKER	Setting Number
RCA	035	TENSAI	001,027
SAMSUNG	013,040,047,065	THOMSON	006,012
SANSUI	004,029,049	TOSHIBA	005, 038,060, 206
SANYO	023,029,052,069	UNIVERSUM	014,042,063
SHARP	017,029,060	YAMAHA	039, 045, 059, 065, 079
SONY	007, 013, 037, 050, 053, 074	ZENITH	005,014,028,041,063
TECHNICS	001,051,054,065,079		

AMP Setting Number Table

MAKER	Setting Number	MAKER	Setting Number
ADCOM	146, 149, 227, 244	MITSUBISHI	253
AMC	083,084	MERIDIAN	067
ARCAM	100	NAD	128
AUDIO FILE	093,098	NAKAMICHI	072, 212, 234, 235
AUDIO TECHINICA	221	NILES	236
AIWA	111, 114, 117, 156, 170, 199, 203, 219,	ONKYO	094, 116, 209, 211
	231, 241, 254	OPTIMUS	121, 125, 140, 181
AKAI	181,233	PANASONIC	131,200
ANAM	180	PARASOUND	085,086,090
BOSE	064, 137, 219	PHILIPS	126, 136, 186, 197
B & K	150, 152	PIONEER	081, 093, 132, 138, 165, 189, 195, 201
CARVER	098, 107, 126, 129, 160, 163, 220, 245,		210, 230
	249	QUASAR	131
CLARION	151, 169	RCA	109,166
DENON	101, 133, 191, 202, 246, 247	REALISTIC	103, 122, 123, 124, 172, 174, 177, 179
FISHER	107, 129, 157, 163, 176		180
FOSGATE AUDIONICS	248	ROTEL	204, 218, 239
GE	123, 216	SANSUI	075, 126, 139, 196, 197, 214
HARMAN KARDON	073, 195, 248, 249	SANYO	157, 129
HAITAI	119	SAMSUNG	068
HITACHI	088	SCOTT	180, 190
JCPENNY	109, 178	SHARP	096, 125, 151, 161, 169, 182, 193
JENSEN	099	SHERWOOD	089, 127
KENWOOD	096, 104, 119, 125, 148, 151, 163, 171,	SONY	097, 117, 147, 183, 188, 192, 200, 237,
	173, 242		238, 253
KRELL	223	SOUNDSTREAM	197
LEXICON	215, 250	SYMPHONIC	124
LUXMAN	066, 120, 205, 229	TEAC	062,102,159,180
LXI	117, 123	TECHNICS	131, 165, 184, 200, 202
MAGNAVOX	126, 162, 185, 186, 224	TOSHIBA	175
MARANTZ	074, 105, 126, 128, 139, 155, 162, 186,	WARDS	163
	232	YAMAHA	092, 120, 125, 166, 169, 216, 240
MONDIAL	069, 225	ZENITH	061,222
MCS	178		

CATV Setting Number Table

MAKER	Setting Number	MAKER	Setting Number
HAMLIN	015,022	PIONEER	007, 026, 027
JERROLD / G.I	010,025	SCIENTIFIC/ATLANTA	. 001, 006, 013
OAK	008,016,023	ZENITH	004

Glossary 1

Component video	Component video is sent through three cables: two color shade (chrominance) signals and one brightness (luminance) signal. Component video achieves greater color accuracy than composite video or S-VIDEO by splitting chrominance into two separate portions.
Composite video	Composite video is sent through a single cable. Composite video combines the color shade (chrominance) and brightness (luminance) information into one video signal.
S-VIDEO	S-VIDEO requires a single cable, which carries the brightness (luminance) and color (chrominance) signals of the picture separately. S-VIDEO provides better resolution than composite video, which carries the signals together.
480i	Provides 480 lines of resolution. Displays images using interlaced scanning, which first transmits all the odd lines on the TV screen and then the even lines.
480p	Provides 480 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.
720 p	Provides 720 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.
1080i	Provides 1080 lines of resolution. Displays images using interlaced scanning, which first transmits all the odd lines on the TV screen and then the even lines. 1080i is one of the formats used by HDTV (High Definition TV).
Digital television (DTV)	A new technology for transmitting and receiving broadcast television signals. DTV provides higher resolution and improved sound quality over analog television.
HDTV(High Definition TV)	HDTV is a new kind of digital TV, creating a high quality picture, high definition. The HDTV provides a theater-like screen with an aspect ratio of 16:9. Supports 720p or higher.
SDTV(Standard Definition TV)	SDTV is a new kind of standard definition digital TV, having a range of lower resolution than the HDTV. Supports 480i.
Cable Broadcast Receiver (Converter)	A device that receives cable broadcasting. Connecting it to your TV set allows you to watch a various channels.
Satellite Broadcasting	Provides crisp picture and clear audio quality throughout the country via a satellite.
VHF/UHF	VHF (Very High Frequency) is the part of the frequency spectrum from 30 to 300 megahertz. UHF (Ultra High Frequency) is the part of the frequency spectrum from 300 to 3,000 megahertz.



Glossary 2

DVD	DVD (Digital Versatile Disc) is an optical disc that can store a huge volume of multimedia such as video, game, and audio application, etc.
Coaxial Cable	Coaxial cable is the kind of rounded copper cable, which is generally used for TV antenna.
LNA (Low-Noise-Amplifier)	Satellite applied technology. It is capable of amplifying weak signals so that any area experiencing a signal interruption may enjoy a clearer picture quality.
Aspect ratio	Refers to the ratio between the width and height of the screen. This TV has a 16:9 (widescreen) aspect ratio, as opposed to a 4:3 aspect ratio.
PIP (Simultaneous Screen)	PIP allows you to view two images at the same time in a single screen.
SWAP	PIP function provides a main picture (larger image) and sub-picture (smaller image). The SWAP is designed to swap the sub-picture for the main picture. For example, while you are watching a main picture on TV and watching a sub-picture on VCR, you can instantly switch the two pictures by using the SWAP function.
Picture Mode	Picture Mode features the optimal picture quality. There are Standard-Dynamic-Movie- Mild- Custom features in order. "CUSTOM" allows you to adjust Contrast, Brightness, Sharpness, Color and Tint.
Sound Mode	Sound Mode features the optimal sound quality. There are Standard-News-Music- Sports- Custom features in order. "CUSTOM" allows you to adjust high frequency sound, middle frequency sound and low frequency sound.
Digital Broadcasting	Video and Audio signals digitized and transmitted by broadcasting companies complying with the new digital television standard developed by the ATSC (Advanced Television System Committee). Digital Broadcasting technology provides multimedia services including a variety of additional services as well as high-definition quality picture.
Analog Broadcasting	ATSC-based Video and Audio signals transmitted by broadcasting companies.
SRS TruSurround TX	A well-recognized 3D sound technology developed by US SRS Labs, Inc. This technology delivers the ultimate audio experience only with two speakers as if through multi-channel speakers.
Dolby Digital	Formerly known as AC-3, Dolby Digital is a digital audio coding technique that reduces the amount of data needed to produce high quality sound.

Glossary 3

Designed to improve ultra low frequency with about 150Hz. There are active type that is built with a built-in amplifier and passive type that is required to connect an additional amplifier to it.
Audio signals are produced through a single channel. It is difficult to experience a spectacular sound since audio signals are reproduced with a single speaker.
Audio signals are produced through two channels. A spectacular sound is reproduced with two separated speakers.
Term given to picture displays with a wider aspect ratio than NTSC 4:3. Digital HDTV is 16:9 widescreen. Most motion pictures also have a widescreen aspect ratio, some even wider than 16:9.
Refers to a screen whose distortion due to the screen size has been calibrated.
Refers source signals that come from other external devices such as a VCR, camcorder and DVD player, etc. than a TV set.
A bilingual service provided when an overseas film, foreign drama or overseas news, etc. is aired. You can select one of two choices: mother tongue and foreign language. Or you can listen to both languages at the same time.
Digital Visual Interface is a specification for digital signals. This interface using TMDS transmission reduces the loss of signal, allowing to enjoy a clear and crisp image.
For terrestrial reception of digital signals, virtual channels are used. A virtual channel allows users to use channel digits, regardless of their area, allocated to each broadcasting station.
To receive digital signals, you have to automatically tune channels or in case of off-air, you have to directly select UHF channel digits aired by individual stations or in case of cable broadcasting, you have to directly select channel digits allocated by local cable stations. For example, the UHF 14 (MBC), 15 (KBS1), 16 (SBS), 17 (KBS2), and 18 (EBS) transmitted from Kwanak Mountain are indicated with virtual channels, 11-1 (MBC), 9-1 (KBS1), 6-1 (SBS), 7-1 (KBS2), and 10-1 (EBS), which will be used by you. These virtual channels are all used in the same way nationwide but the channel digits may be different depending on local stations. Since the digital channels may be allocated differently according to areas or changed by the broadcasting policy, contact your local broadcasting stations and cable companies for more details. Once virtual channels have been memorized, you can watch virtual channels by pressing channel numbers.



Installation Problems

Symptom	Possible solution
How can I install an antenna?	Refer to pages 19~20.
TV screen is not clear after installing an indoors antenna.	Indoors antenna may experience poor reception due to surrounding buildings. Please install an outdoors antenna or wireless antenna.
How can I view cable broadcasting?	Please install a cable broadcasting receiver (Converter).
Picture Problems	
Symptom	Possible solution
Noither picture per	Charle whether newer is an

Neither picture nor sound comes up.	Check whether power is on. Check whether the power is cut or whether power cord is properly connected. Try to plug another product's power cord to the outlet the PDP is plugged into.
Picture turns on slowly after power is on.	This symptom is not a malfunction. This delay is designed to prevent the distorted and noisy picture when power is on. However, if the picture does not appear more than 5 minutes after power is on, call a service center.
Picture is distorted or frozen while watching digital broadcasting.	This symptom may be caused by weak reception. Contact your local station or cable company.
Input Source information only appears on black screen.	Check whether your TV is properly connected to external devices.
Poor reception on some channels.	Check whether you selected proper channels. Try re-orienting your antenna. Ensure LNA is activated.
Black and white on some channels.	Check other channels for black and white screen. Adjust colour.
TV won't turn on.	Ensure the power cord is plugged.
Screen is too bright or too dark.	Adjust brightness.

Auto On does not work.	Ensure to use the remote control or power button on the product to turn off your TV. If you unplug the power cord, the stand-by consumption power becomes 0 (zero), which causes the programmed time to be erased.
After setting the time, I turned TV off and turn it on. The programmed information has been erased.	Ensure to use the remote control or power button on the product to turn off your TV. If you unplug the power cord, the stand-by consumption power becomes 0 (zero), which causes the programmed time to be erased.

Sound Problems

Symptom	Possible solution
Too much noise occurs.	Check whether the audio setting is in the Stereo mode. In the Stereo mode, the sound may be distorted in the area where experiences poor reception or is located far away from a TV broadcasting station.
No sound while viewing a cable channel	Make sure an audio or audio/video component is securely inserted into the appropriate jacks. Check other channels for sound. Check the volume settings on the cable broadcasting receiver.
Picture is OK but sound does not come out.	Try to press volume up/volume down buttons of your remote control.
One of the speakers does not produce sound.	Select sound balance and make proper adjustment. (Page 39) Check the speaker connection cables.

General

Symptom	Possible solution
Remote control won't work.	Check whether there is a blocking object between the remote control and PDP. Make sure your PDP is Power On. (In case of normal, LED on the front panel is in Red.) Check whether batteries are inserted with proper polarities(+, -). When the batteries are worn out, replace with new ones.
Where does the S-Video cable plug in for audio output?	Connect the two Audio jacks from the S-Video cable to the left and right ports on the Composite.
Strange noises are heard.	Ticking noise during or after watching is caused by the change of ambient environment such as humidity and temperature, which is characterized by plastic products. Strange ticking noise occurs because a signal is suddenly transmitted to the PDP panel. So, this is not a malfunction.
l tried to use the TV screen as a PC monitor but it doesn't work.	Adjust the resolution referring to the standard signal mode table. Check the specification of your video card installed in your PC. If your video card does not work in supported hardware. Try upgrading the video card's driver.



Care and Cleaning

Cabinet Cleaning

Wipe a soft dry cloth.

Do not use inflammables like Benzene or Thinner, or wet clothes. Do not scratch the panel of PDP with a fingernail or pointed object.

Screen Cleaning

Clean the screen with a soft cloth moistened in mild glass detergent and dry with a soft cloth.

Never use any solvent on the screen such as Acetone, Benzene, or Thinner, etc.

Cleaning Inside

When the inside needs to be cleaned, contact a service center or distribution agent where the item is purchased.

It is recommended cleaning is complete before the rainy season.



Product Specifications

Model		Q261	Q320	Q400
Input	S-Video	1EA (A/V audio common)	1EA (A/V audio common)	1EA (A/V audio common
	Video (RCA)	1EA (Audio included)	1EA (Audio included)	1EA (Audio included)
	Component(Y/Cb/Cr)	2EA (Audio included)	2EA (Audio included)	2EA (Audio included)
	Antenna	2EA (ANT1+ANT2)	2EA (ANT1+ANT2)	2EA (ANT1+ANT2)
	PC Connection jack	D-SUB	D-SUB	D-SUB
	Max. resolution	1024 X 768 @ 85 Hz	1024 X 768 @ 85 Hz	1024 X 768 @ 85 Hz
	Audio	L/R	L/R	L/R
	DVI-HDCP	1EA	1EA	1EA
	Memory Slot	No	Slot 1, Slot 2, USB	No
Output	Subwoofer	1EA	1EA	1EA
	Video	1EA (Audio included)	1EA (Audio included)	1EA (Audio included)
TV/Video	Color system	NTSC M	NTSC M	NTSC M
	Sound system	FM	FM	FM
	Video system	Component, S-Video, Composite, PC, DVI	Component, S-Video, Composite, PC, DVI	Component, S-Video, Composite, PC, DVI
Power	Supply	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Consumption power	Typical 120W	Typical 150W	Typical 245W
	Stand-by power	Typical 2W	Typical 2W	Typical 2W
Dimension (W x D x H mm - Stand included) 640		640 x 230 x 485	772 x 230 x 563	988x 715.5x297
Weigh (Stand included)		17.5 Kg	19.3 Kg	23 Kg
Control type		Remote control, Key control	Remote control, Key control	Remote control, Key cont

- The above specifications may be subject to change without prior notice.

