Turning the TV On and Off

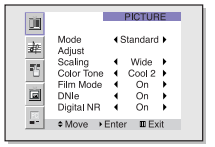
Press the Power button on the remote control or on the side panel to turn your TV on and off.

Viewing the Menus and Displays

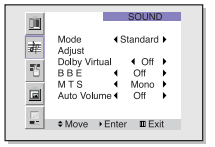
The on-screen menu system allows you to control the settings of your TV. Access the on-screen menu system by pressing the Menu button on the remote control. Once the on-screen menu appears, use the joystick button on your remote control to move between menu items, select menu items, and make adjustments. You can also view the on-screen menu system and make some adjustments using the TV's side panel buttons.

Displaying the Menus

1 With the power on, press the Menu button on the remote control. The main menu appears on the screen.
The Video menu is selected.

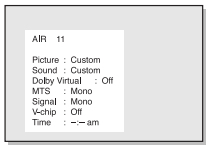


2 Use the joystick (up, down) or CH(∧, ∨)buttons to move to items in the menu. Use the joystick (right) or VOL(+) buttons to display, change, or use the selected items. Use the joystick (⇨ or ▶) button to enter items in the menu.
On-screen menus disappear from the screen automatically after about thirty seconds, or you can press the Menu button on your remote control to exit the menu.



Displaying Status Information

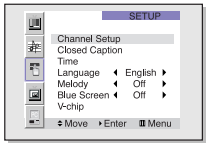
1 Press the Display button on the remote control. The TV will display the channel, current time, and the audio signal you are listening to.



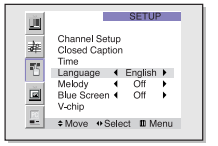
Selecting the Menu Language

Choose a language for the on-screen menus: English, Spanish or French.

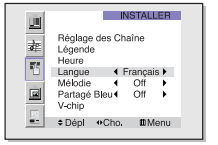
1 Press the Menu button.
Move the joystick down to select SETUP, then press the joystick to enter.



2 Move the joystick down to select "Language."



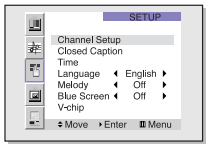
3 Move the joystick right or left to select the language.
Press the Menu button on the remote control to exit the menu.



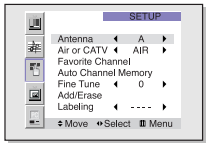
Selecting the Antenna Input

You can connect to two different signal sources by choosing the antenna input(ANT A or ANT B).

1 Press the Menu button.
Move the joystick down to select SETUP, then press the joystick to enter.



2 Press the joystick to enter. The channel setup menu will appear. The first line of the menu is selected.



3 Move the joystick right or left to select "A" or "B".
Press the Menu button on the remote control to exit the menu.

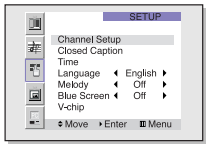
Channel Memory

Your TV can memorize and store all of the channels available. Once the channels are memorized, you can use the CH∧ and CH∨ buttons to scan through the available channels.

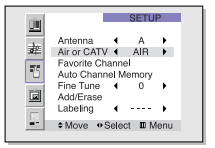
Selecting the Broadcast Source

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

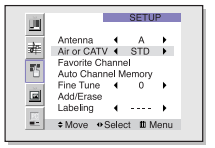
1 Press the Menu button. Move the joystick down to select SETUP, then press the joystick to enter.



2 Press the joystick to enter. The channel setup menu will appear. Move the joystick down to select "Air or CATV".

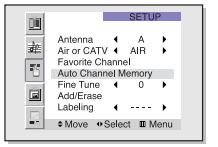


3 If you are connected to an antenna, leave "AIR" displayed. If you connected cable, press the joystick to the right to display the type of cable system: "STD," "HRC," or "IRC."
(If you are not sure which type of cable system you have, contact your cable company.)

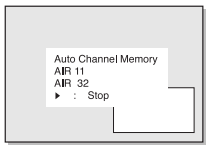


Storing Channels in Memory Automatically

1 First, select the broadcast source as described on the previous page. With the Channel Setup menu on screen, move the joystick down to select "Auto Channel Memory."



2 Press the joystick to enter. The TV will begin memorizing all of the available stations. Press the VOL+ button at any time to interrupt the memorization process.



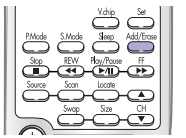
NOTE

- *When the ANT B mode is selected, the auto programming runs on the main screen.*

Adding and Erasing Channels

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

2 To add a channel, select it and press the Add/Erase button on the remote control. The channel will be added to the TV's memory and the word "Channel added" will appear in the corner of the screen.



3 To erase a channel, select it and then press the Add/Erase button on the remote control. The word "Channel erased" will appear in the corner of the screen. You can still view a channel that has been erased from memory by using the number buttons on the remote control to select the channel directly.

Changing Channels

You can change channels on your TV by using the CH ∧ and CH ∨ buttons, or by direct selection using the number buttons. You can use the number buttons to tune to any channel (even one that has been erased or has not been memorized).

Using the Channel Buttons

Press the CH∧or CH∨ buttons to change channels. The TV changes each channel in order, up or down, depending on which button you press. You will see all the channels that the TV has memorized. (The TV must have memorized at least three channels.) You will not see channels that were not memorized or have been erased.

Using the Number Buttons

To change to single-digit channels (0–9) faster, press "0" before the single digit.
Example: For channel 4, press "0," then "4."

To select a channel over 100, press the +100 button first.
Example: For channel 122, press "+100," then "2," then "2."

Using the Previous Channel

Press the Pre-ch button on the remote control. The TV changes to the last channel you were watching.

Scanning channels

You can automatically scan all of the channels in memory at the touch of just one button. Press the Scan button on the remote control. The TV will change the channels automatically, one by one. Scanning channels will be displayed in the PIP window. To stop channel scan, press the Scan button again.

NOTE

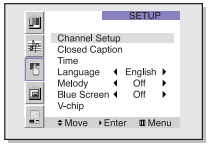
- When the ANT B mode is selected, the channel scan function doesn't work.

Selecting Your Favorite Channels

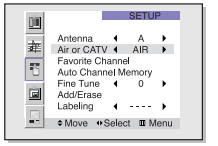
You can store up to ten of your favorite channels for each available input source (such as TV and CATV). Then, when you press the Fav.CH button on the remote control, the TV displays only the favorite channels you previously stored, allowing you to quickly and easily find frequently watched channels.

To Store Your Favorite Channels:

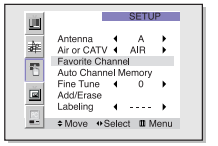
1 Press the Menu button. Move the joystick down to select SETUP, then press the joystick to enter.



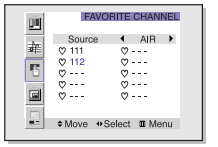
2 Press the joystick to enter. The channel setup menu will appear. Move the joystick down to select Air or CATV, then move the joystick to the right to display the type of cable system or Air.



3 Move the joystick down to select "Favorite Channel", then press the joystick to enter.



4 Move the joystick to the left or right to select channel. Note: Only memorized channels can be set as Favorite channels.



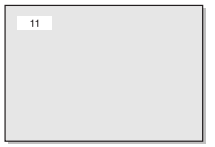
To View Your Favorite Channels:

Press the Fav.CH button repeatedly to jump from one favorite channel to another.
The favorite channels are selected in ascending sequence.

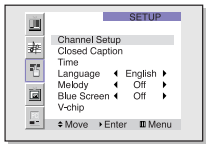
Labeling the Channels

Use this feature to assign an easy-to-remember label to any channel (i.e., “CBS”, “ESPN”, “PBS2”, CNN1”, etc.) A label consists of four fields, where each field is a letter, a number, or a blank. When the DISPLAY button is pressed, the channel label will appear next to the channel number.

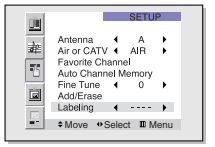
1 Press the CH ⌃or CH ⌄ button to tune to the channel that will be labeled.



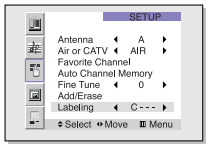
2 Press the Menu button. Move the joystick down to select SETUP, then press the joystick to enter.



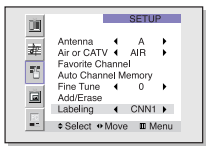
3 Press the joystick to enter. Move the joystick down to select Labeling.



4 Move the joystick to the right to begin labeling. (Each label has four fields. See top paragraph.)
Move the joystick up or down to select a letter, a number, or a blank. (Pressing the CH button results in this sequence: A,B,...Z, blank,0,1,...9).



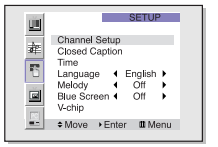
5 Move the joystick to the right to switch to the next field, which will be selected. Select a second letter or digit using joystick(up or down), as above. Repeat the process to select the last two digits.
Press the Menu button to exit.



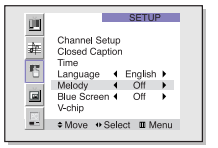
Setting The On/Off Melody

You can hear clear melody sound when the TV is powered On or Off.

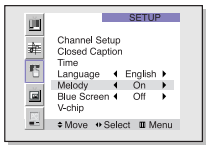
1 Press the Menu button. Move the joystick down to select SETUP, then press the joystick to enter.



2 Move the joystick down to select Melody.



3 Move the joystick to the right or left to select “On”.



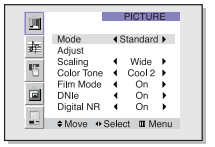
4 Press the Menu button to exit.

Picture Control

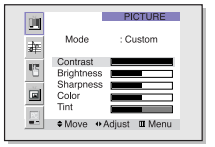
Using the remote, you can change the contrast, brightness, tint, color, and sharpness settings of the TV.

Customizing the Picture

1 Press the Menu button.
Press the joystick to enter.

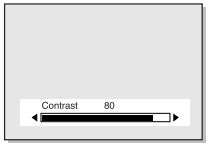


2 Move the joystick down to select Adjust, then press the joystick to enter. You will see the items "Contrast", "Brightness", "Sharpness", "Color" and "Tint".



3 Move the joystick up or down to select the item you want to change.

4 Move the joystick right or left to raise or lower the value of the item, using the on-screen gauge as your guide.



When you are finished adjusting an item, wait a moment. The level indicator will disappear and the Video menu will return. You can continue to make adjustments, or press the Menu button to exit.

Using Automatic ("Standard") Picture Settings

1 Press the P.Mode button on the remote control to change the picture settings.

2 Press P.Mode repeatedly to select the "Dynamic", "Standard", "Movie" or "Custom" picture setting.

Guide to Automatic Picture Settings

- Choose Standard to set the TV to operate at top performance according to your TV's specifications.
- Choose Dynamic for viewing the TV during the day or when there is bright light in the room.
- Choose Movie when viewing the movie.
- Choose Custom if you want to adjust the settings yourself.

Sound Control

You can control and customize the sound levels and settings of the TV with the remote control. Using the on-screen menus, you can change the TV's bass, treble, and balance settings.

Adjusting the Volume

Press VOL + to raise the volume or VOL – to lower the volume.

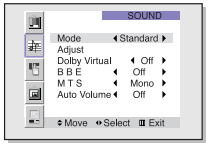
Using the Mute Button

Press the Mute button on the remote control to silence the volume. The word "Mute" will appear in the lower left corner of the screen.

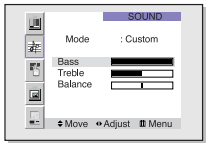
To turn mute off, press the Mute button again, or raise or lower the volume with the VOL – and VOL + buttons.

Customizing the Sound

1 Press the Menu button. Move the joystick down to select SOUND, then press the joystick to enter.



2 Move the joystick down to select Adjust, then press the joystick to enter. You will see the items "Bass", "Treble" or "Balance".



Continued...

3 Move the joystick up or down to select the item you want to change.

4 Move the joystick right or left to raise or lower the value of the item, using the on-screen gauge as your guide.

You can continue to make adjustments, or press the Menu button to exit.

Using Automatic(Standard) Sound Settings

1 Press the S.Mode button on the remote control to change the automatic sound setting.

2 Press the S.Mode button again to select the "Standard", "Music", "Movie", "Speech" or "Custom" sound setting.

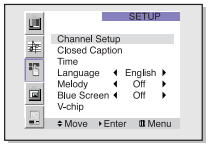
Guide to Automatic Sound Settings

- Choose Standard for the "factory" settings (the best choice for most people).
- Choose Music when watching music videos or concerts.
- Choose Movie when watching a movie.
- Choose Speech when watching a show that is mostly dialogue, like a news show.
- Choose Custom if you want to adjust the settings yourself.

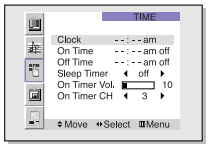
Setting the Clock

This TV has a built-in clock that will appear on screen when you press the Display button on the remote control. Setting this clock also allows you to use it to automatically turn the TV on or off.

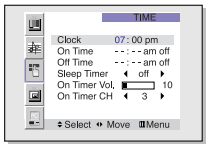
1 Press the Menu button. Move the joystick down to select SETUP, then press the joystick to enter.



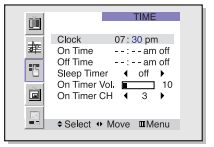
2 Move the joystick down to select Time, then press the joystick to enter.



3 Move the joystick right to select the hour. Move the joystick up or down to select the correct hour.



4 Move the joystick right to select the minute. Move the joystick up or down to select the correct minute. When selecting the hours, be sure to select the proper time of day (am or pm).



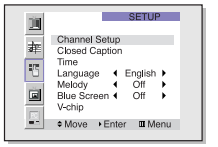
5 Press Menu to exit the menus.

Setting the Timers

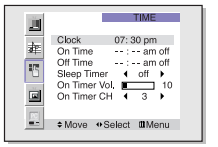
This TV can be set to turn on or off automatically at specific times that you choose. Before using the timers, you must set the TV's clock, as described previously.

Setting the On/Off Timer

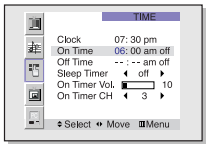
1 Press the Menu button. Move the joystick down to select SETUP, then press the joystick to enter.



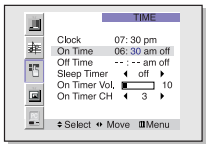
2 Move the joystick down to select Time, then press the joystick to enter.



3 Move the joystick down to select the "On Time". Move the joystick right to select the hour, then Move the joystick up or down to adjust the hour for the TV to turn on. When selecting the hours, be sure to select the proper time of day (am or pm).

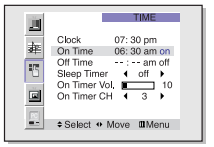


4 Move the joystick right to select the minute. Move the joystick up or down to adjust the minute.



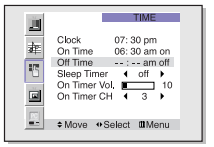
Continued...

5 Move the joystick right to select off, then move the joystick up or down to select "on".
When any of the timers are set, the "Timer" LED will illuminate (front or side panel of TV.).

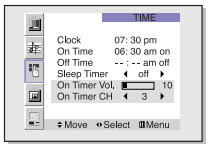


6 When you are finished, move the joystick right.

7 If you want to set the Off time, move the joystick down to select the "Off Time". Set the "Off Time" just as you set the "On Time".



8 If you want to set the volume level or channel when the TV turns on, move the joystick down to select "On Timer Vol." or "On Timer CH". Move the joystick right to set the volume level or to select the channel you want when the TV turns on. Press the Menu button to return to normal viewing.



Setting the Sleep Timer

You can set your TV to automatically turn off after a preset interval.

1 Press the Sleep button on the remote control.

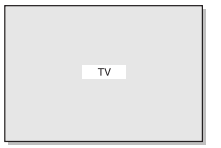
2 You'll see "Off" at the bottom of the screen. Press the Sleep button to select the time interval for the TV to stay on. The interval ranges from 10 to 360 minutes.

Viewing an External Signal Source

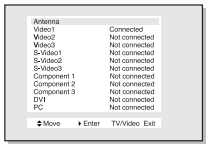
Selecting the Signal Source

Use the remote control to switch between viewing signals from connected equipment, such as VCRs, DVD, Set-Top box and the TV source (broadcast or cable).

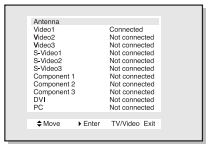
1 Make sure that the remote control is controlling the TV set. Press the MODE button and make sure that the "TV" LED is illuminated.



2 Press TV/VIDEO on the remote control, and the following on-screen menu will appear.



3 Move the joystick up or down to select a particular signal source, and then press the joystick to activate it.



When you connect equipment to the TV, you can choose between the following sets of jacks: Video 1, Video 2, S-video 1, S-video 2, Component 1, Component 2, Component 3, DVI or PC on the TV's rear panel, and Video 3 or S-Video 3 on the TV's side panel.

Remote Control VCR/DVD Buttons

Flip the cover of the remote control up to access buttons that can control the tape functions of a connected VCR or DVD, including Rewind, Play, Fast Forward, Stop and Pause.

1 Flip the cover of your remote control unit for access to the tape function controls. Press the appropriate buttons to control your VCR or DVD.

SAMSUNG

Special Features

Setting Up Your Remote Control

This TV's remote control can operate almost any VCR, cable box, or DVD. After it has been set up properly, your remote control can operate in four different modes: TV, VCR, Cable, or DVD. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

Note

The remote control might not be compatible with all DVD Players, VCRs and Cable boxes.

Setting Up the Remote to Operate Your VCR

1. Turn off your VCR.
2. Press the MODE button and make sure that the VCR LED is illuminated.
3. Press the Set button on your TV's remote control.
4. Using the number buttons on your remote control, enter three digits of the VCR code listed on page 51 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)
5. Press the Power button on the remote control. Your VCR should turn on if your remote is set up correctly.

   If your VCR does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR. If no other codes are listed, try each VCR code, 000 through 089.

Note on Using Remote Control Modes: VCR

- When your remote control is in "VCR" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your Cable Box

1. Turn off your cable box.
2. Press the MODE button and make sure that the Cable LED is illuminated.
3. Press the SET button on your TV's remote control.
4. Using the number buttons on your remote control, enter three digits of the cable box code listed on page 51 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a "0." If there is more than one code listed, try the first one.
5. Press the Power button on the remote control. Your cable box should turn on if your remote is set up correctly.

   If your cable box does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of cable box. If no other codes are listed, try each code, 000 through 077.

Note on Using Remote Control Modes: Cable Box

- When your remote control is in "Cable Box" mode, the volume buttons still control your TV's volume.

Special Features

Setting Up the Remote to Operate Your DVD

1 Turn off your DVD.

2 Press the MODE button and make sure that the DVD LED is illuminated.

3 Press the SET button on your TV's remote control.

4 Using the number buttons on your remote control, enter three digits of the DVD code listed on page 51 of this manual for your brand of DVD. Make sure you enter three digits of the code, even if the first digit is a "0." If there is more than one code listed, try the first one.

5 Press the Power button on the remote control. Your DVD should turn on if your remote is set up correctly.

If your DVD does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of DVD. If no other codes are listed, try each code, 000 through 008.

Note on Using Remote Control Modes: DVD

- When your remote control is in "DVD" mode, the volume buttons still control your TV's volume.

Remote Control Codes

VCR Codes

Admiral	006, 079	KLH	073	RCA	000, 005, 007, 008, 028, 035, 037, 054, 069
Aiwa	015	LG	009, 014, 046, 060	Samsung	007, 013, 022, 032, 042, 077
Akai	017, 022, 023, 027, 030	Lloyd	015	Sansui	016
Audio Dynamics	014, 016	Logik	031	Sanyo	002, 012
Bell & Howell	002	LXI	015	Scott	013, 041, 049, 068
Broksonic	010	Magnavox	008, 029, 053, 056	Sears	002, 005, 009, 012, 018, 019, 035, 043, 048
Candle	007, 009, 013, 045, 046, 052	Marantz	002, 008, 014, 016, 029, 030, 046, 061	Sharp	006, 027, 039, 045
Cannon	008, 053	Marta	009	Shintom	017, 026, 031, 055
Citizen	007, 009, 013, 045, 046, 052	MEI	008	Signature	015
Colortyme	014	Memorex	008, 009, 012, 015	Sony	017, 026, 038
Craig	007, 012	MGA	027	Sylvania	008, 015, 029, 053, 056
Curtis-Mathes	000, 007, 008, 014, 015, 046, 053, 064, 067	Midland	032	Symphonic	015
Daewoo	013, 045, 076	Minota	005, 035	Tandy	002, 015
DBX	014, 016	Mitsubishi	005, 027, 035, 040	Tashiko	009
Dimensia	000	Montgomery ward	006	Tatung	030
Dynatech	015	MTC	007, 015	Teac	015, 030, 069
Electrohome	027	Multitech	007, 015, 031, 032	Technics	008
Emerson	008, 009, 010, 013, 015, 020, 023, 027, 034, 041, 042, 047, 049, 057, 062, 065, 067, 068, 070	NEC	002, 014, 016, 030, 046, 061, 064	Ternika	008, 009, 015, 021
Fisher	002, 012, 018, 019, 043, 048, 058	Optimus	006	TMK	067
Funai	015	Panasonic	008, 053, 075, 077	Toshiba	005, 013, 019, 048, 049
GE	000, 007, 008, 032, 053	Pentax	005, 035	Totevision	007, 009
Go Video	007	Pentex Reserch+	046	Unitech	007
Harman Kardon	014	Philco	008, 029, 053, 056	Vector Research	014, 016
Hitachi	005, 015, 035, 036	Philips	008, 029	Victor	016
Instant Replay	008	Pioneer	005, 016, 033, 050	Video Concepts	014, 016
JC Penney	002, 005, 007, 008, 014, 016, 030, 035, 051, 053	Portland	044, 045, 052	Videosonic	007
JCL	008, 002, 014, 016, 030, 046	ProScan	000	Wards	005, 006, 007, 008, 009, 012, 013, 015, 027, 031, 035
JVC	002, 014, 088, 089	Quartz	002	Yamaha	002, 014, 016, 030, 046
Kenwood	002, 014, 016, 030, 046	Quasar	008, 053	Zenith	011, 017, 026, 079
		Radio Shack/Realistic	002, 006, 008, 009, 012, 015, 019, 027, 045, 053		

Cable Box Codes

Anvision	007, 008	NSC	009	Signature	046
Cablestar	007, 008	Oak	016, 038	Sprucer	027
Eagle	007, 008	Osk Sigma	016	Starcom	046
Eastern Int.	002	Panasonic	003, 027, 039, 061, 073, 074	Stargate 2000	058
General Instrument	046	Philips	007, 008, 019, 021, 026, 028, 029, 032, 033, 040, 041	Sylvania	011, 059
GI	004, 005, 015, 023, 024, 025, 030, 036, 067, 068, 069	Pioneer	018, 020, 044, 074, 077	Texscan	011, 059
Hamlin	003, 012, 013, 034, 048	Randtek	007, 008	Tocom	017, 021, 049, 050, 055, 073
Hitachi	037, 043, 046	RCA	000, 027, 066	Unika	031, 032, 041
Jerroid	004, 005, 015, 023, 024, 025, 030, 036, 046, 062, 065	Regal	003, 012, 013	Universal	051, 052
Macom	037, 043	Regency	002, 033	Viewster	007, 008, 019, 021, 026, 028, 029, 032, 033, 040, 041
Magnavox	007, 008, 019, 021, 026, 028, 029, 032, 033, 040, 041	SA	070, 071, 072	Warner Amex	044
		Samsung	044, 003, 022, 063, 064	Zenith	014, 042, 057, 061, 075, 076

DVD Codes

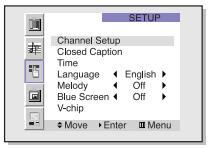
Philips	001
Proscan	002
RCA	002
Toshiba	003
Panasonic	004
Sony	008
Samsung	000

Fine Tuning Channels

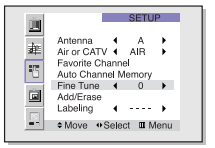
Fine tuning lets you manually adjust the TV's tuner if you have difficulty tuning in a channel.

1 Using the number buttons on the remote control, select the channel you want to fine tune.

2 Press the Menu button on the remote control. Move the joystick down to select SETUP, then press the joystick to enter.

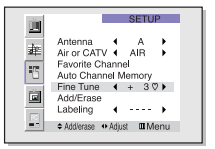


3 Press the joystick to enter in the Channel setup menu.



4 Move the joystick down to select the Fine tune, then move the joystick right or left to adjust the fine tuning.
To store the fine tuning setting in the TV's memory, move the joystick up. (A heart icon will appear.)

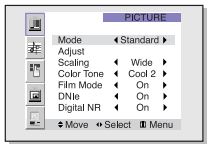
To reset the fine tuning to "0," move the joystick down .



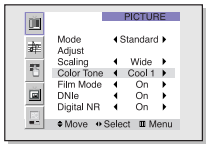
5 Press the Menu button to exit.

Selecting the Color Tone

1 Press the Menu button.
Press the joystick to enter.



2 Move the joystick down to select Color Tone, then move the joystick right repeatedly to select "Normal", "Warm1", "Warm2", "Cool2" or "Cool1".

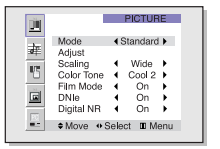


3 Press the Menu button to exit.

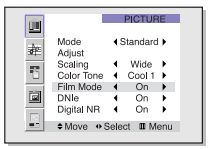
Setting the Film Mode

On: Automatically senses and processes film signals from all sources and adjusts the picture for optimum quality.
Off: Switches off the Film mode.

1 Press the Menu button.
Press the joystick to enter.



2 Move the joystick down to select Film Mode, then move the joystick to the right or left to select "On" or "Off".

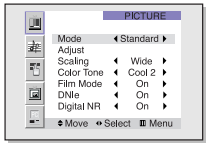


3 Press the Menu button to exit.
Note: Film mode is supported in 480i only.

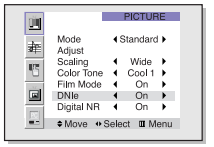
DNIe™ (Digital Natural Image engine) DNIe™

Samsung's New Technology enables an improved image with detail, contrast and white enhancement and 3D noise reduction.

1 Press the Menu button.
Press the joystick to enter.



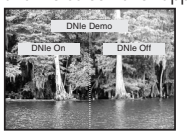
2 Move the joystick down to select DNIe, then move the joystick to the right or left to select "On", "Demo" or "Off".
Quick way to access DNIe:
Just press the "DNIe" button on the remote control to select "DNIe On" or "DNIe Demo".



3 Press the Menu button to exit.

Guide to DNIe Settings

- On: Switches on the DNIe mode.
- Demo: The screen before applying DNIe appears on the right and the screen after applying DNIe appears on the left.



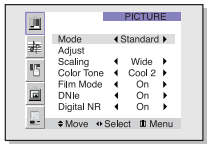
- Off: Switches off the DNIe mode.

NOTE
- The DNIe function doesn't operate in the PC and DVI modes.

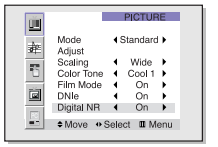
Digital Noise Reduction

If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

1 Press the Menu button.
Press the joystick to enter.



2 Move the joystick down to select Digital NR, then move the joystick to the right or left to select "On" or "Off".

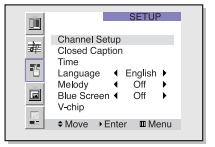


3 Press the Menu button to exit.

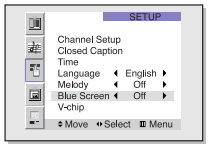
Setting the Blue Screen Mode

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue screen" mode to "Off".

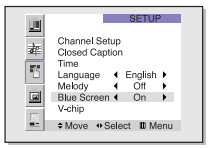
1 Press the Menu button on the remote control. Move the joystick down to select SETUP, then press the joystick to enter.



2 Move the joystick down to select Blue Screen.



3 Move the joystick to the right or left to select "On" or "Off".



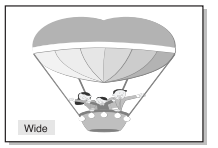
4 Press the Menu button to exit.

Changing the Screen Size

When you press the ASPECT button on the remote control, the TV's screen mode choices appear in sequence. The screen displays in this order: Wide, Panorama, Zoom1, Zoom2, Normal. The name of the screen mode will be displayed at the bottom of the TV screen.

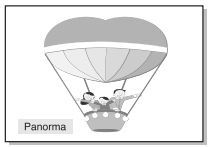
Wide

Sets the picture to 16:9 wide mode.



Panorama

Use this mode for the wide aspect ratio of a panoramic picture.



Zoom1

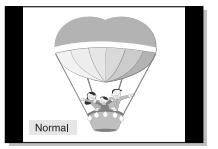
Magnifies the size of the picture on screen.
You can also move the picture on screen using the "Scroll" function. Press the CH (∧, ∨) buttons to scroll the picture.

Zoom2

Magnifies the size of the picture more than Zoom1.
You can also move the picture on screen using the "Scroll" function. Press the CH (∧, ∨) buttons to scroll the picture.

Normal

Sets the picture to 4:3 normal mode.
This is a standard TV screen size.



continued...

NOTES

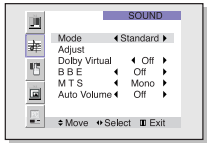
- You can select only Wide, Normal(4:3) screen size in the Component Mode.
- Screen size can't be changed in the DVI and PC (1080i) mode.
- You can select Wide(TV), Wide(PC) screen size in the DVI and PC (720p) Mode.
- You can select Wide(TV), Wide(PC), Normal(4:3) screen size in the DVI and PC (480p) Mode.
- If you set PIP ON in any mode (Normal, Panorama, Zoom1, Zoom2) except Wide, the mode will automatically change to Wide.

Special Audio Options

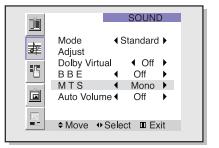
MTS Settings: Choosing a Soundtrack

Depending on the particular program being broadcast, you can listen to stereo, mono, or a Separate Audio Program. (SAP audio is usually a foreign-language translation. Sometimes SAP has unrelated information like news or weather.)

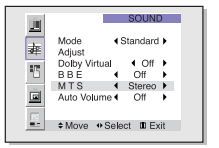
1 Press the Menu button. Move the joystick down to select SOUND, then press the joystick to enter.



2 Move the joystick down to select MTS.



3 Move the joystick to the right repeatedly to select "Mono", "SAP" or"Stereo".



4 Press the Menu button to exit.

Guide to MTS Settings

- Choose Stereo for channels that are broadcasting in stereo.
- Choose Mono for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.
- Choose SAP to listen to the Separate Audio Program, which is usually a foreign-language translation.