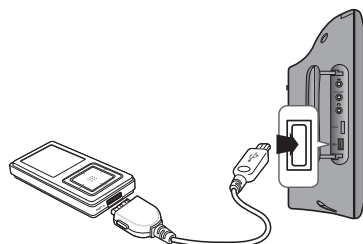


playback

PLAYING MEDIA FILES USING THE USB HOST FEATURE

You can enjoy media files such as pictures, movies and music saved on an MP3 player, USB memory stick or digital camera in high quality video with 5.1 channel Home Theater sound by connecting the storage device to the USB port of the Home Theater.

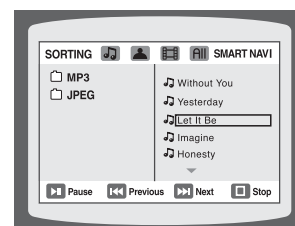
1. Connect the USB device to the USB port on the side of the unit.
2. Press the **FUNCTION** button on the DVD Player or the **PORT** button on the remote control to select the USB mode.
 - **USB** appears on the display screen and then disappears.
 - The USB MENU screen appears on the TV screen and the saved file is played.
3. To stop playback, press the **STOP** (■) button.



Safe USB Removal

To prevent damage to the data stored in the USB device, perform safe removal before disconnecting the USB cable.

- Press the **STOP** (■) button twice in a row. The display will show **REMOVE USB**.
- Remove the USB cable.

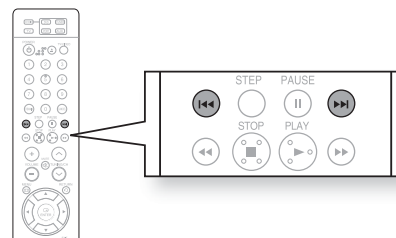


- To listen to your music files with 5.1 channel home theater sound, you must set the Dolby Pro Logic II mode to Matrix. (See page 58)

Skip Forward/Back

During playback, press the **⏮**, **⏭** button.

- When there is more than one file and you press the **⏭** button, the next file is selected.
- When there is more than one file and you press the **⏮** button, the previous file is selected.

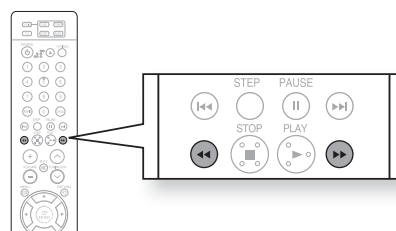


Fast playback

During playback, press the ◀◀, ▶▶ button.

- Each time you press either button, the playback speed will change as follows:

2x → 4x → 8x → 32x → Normal.



Compatible Devices

1. USB devices that support USB Mass Storage v1.0. (USB devices that operate as a removable disc in Windows (2000 or later) without additional driver installation.)
2. MP3 Player: HDD and flash type MP3 players.
3. Digital camera: Cameras that support USB Mass Storage v1.0.
 - Cameras that operate as a removable disc in Windows (2000 or later) without additional driver installation.
4. USB HDD and USB Flash Drive: Devices that support USB2.0 or USB1.1.
 - You may experience a difference in playback quality when you connect a USB1.1 device.
 - For a USB HDD, make sure to connect an auxiliary power cord to the USB HDD for proper operation.
5. USB card Reader: One slot USB card reader and Multi slot USB card reader.
 - Depending on the manufacturer, the USB card reader may not be supported.
 - If you install multiple memory devices into a multi card reader, you may experience problems.
6. If you use a USB extension cable, the USB device might not be recognized.

Supported Formats

Format	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	JPG .JPEG	—	—	640x480	—
Music	MP3	.MP3	80~384kbps	—	—	44.1kHz
	WMA	.WMA	56~128kbps	V8	—	44.1kHz
Movie	WMV	.WMV	4Mbps	V1,V2,V3,V7	720x480	44.1KHz~48KHz
	DivX	.AVI,.ASF	4Mbps	DivX3.11~ DivX5.1, XviD	720x480	44.1KHz~48KHz

- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- A device using NTFS file system is not supported. (Only FAT 16/32 (File Allocation Table 16/32) file system is supported.)
- Some MP3 players, when connected to this product, may not operate depending on the sector size of their file systems.
- The USB host function is not supported if a product that transfers media files by its manufacturer-specific program is connected.
- Does not operate with Janus enabled MTP (Media Transfer Protocol) devices.
- The USB host function of this product does not support all USB devices. For information on the supported devices, see page 65.

system setup

For your convenience, you can set this Blu-ray Home Theater's features for the best use in your home environment.

SETTING THE LANGUAGE

OSD(On-Screen Display) language is set to English by default.

1. In Stop mode, press the **MENU** button.
2. Press the Cursor **▼** button to move to **Setup** and then press the **ENTER** or **▶** button.
3. Select **Language** and then press the **ENTER** or **▶** button.
4. Press the Cursor **▲,▼** button to select **OSD Language** and then press the **ENTER** or **▶** button.
 - Once the setup is complete, the OSD will be English if English has been selected as language.
5. Press the Cursor **▲,▼** button to select the desired language and then press the **ENTER** button.

- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.

- **OSD LANGUAGE** : Selecting the OSD Language
- **AUDIO** : Selecting the Audio Language (recorded on the disc)
- **SUBTITLE** : Selecting the Subtitle Language (recorded on the disc)
- **DISC MENU** : Selecting the Disc Menu Language (recorded on the disc)
- ※ If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

- **OTHERS** : To select another language, select **OTHERS** and enter the language code of your country (see page 64). **AUDIO**, **SUBTITLE** and **DISC MENU** languages can be selected.



SETTING TV SCREEN TYPE

Depending on your TV type (Wide Screen or conventional 4:3), you can select the TV's aspect ratio.

1. In Stop mode, press the **MENU** button.
 2. Press the Cursor **▼** button to move to **Setup** and then press the **ENTER** or **►** button.
 3. Press the Cursor **▼** button to move to **TV DISPLAY** and then press the **ENTER** or **►** button.
 4. Press the Cursor **▲,▼** button to select the desired item and then press the **ENTER** button.
 - Once the setup is complete, you will be taken to the previous screen.
- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.



Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of widescreen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen sizes, you should adjust the aspect ratio to fit your TV or monitor.

For a standard TV, select either **4:3PS** or **4:3LB** option according to personal preference. Select **WIDE/HDTV** if you have a widescreen TV.

4:3PS (4:3 Pan&Scan)

Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.

- You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).



4:3LB (4:3 Letterbox)

Select this to play a 16:9 picture in the letter box mode on a conventional TV.

- Black bars will appear at the top and bottom of the screen.



WIDE/HDTV

Select this to view a 16:9 picture in the full-screen mode on your widescreen TV.

- You can enjoy the widescreen aspect.



- If a DVD is in the 4:3 ratio, you cannot view it in widescreen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.
- When using HDMI, the screen is automatically converted to Wide mode.

system setup

SETTING PARENTAL CONTROLS (RATING LEVEL)

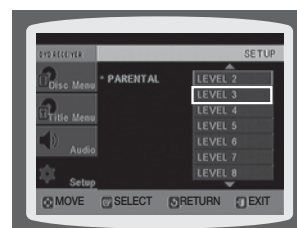
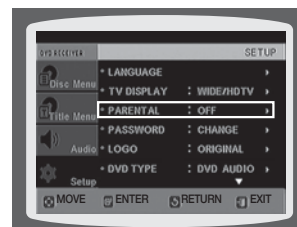
Use this to restrict playback of adult or violent DVDs you do not want children to view.

1. In Stop mode, press the **MENU** button.
2. Press the Cursor **▼** button to move to **Setup** and then press the **ENTER** or **▶** button.
3. Press the Cursor **▼** button to move to **PARENTAL** and then press the **ENTER** or **▶** button.
4. Press the Cursor **▲, ▼** button to select the desired rating level and then press the **ENTER** button.
 - If you have selected Level 6, you cannot view DVDs with Level 7 or higher.
 - The higher the level, the closer the content is to violent or adult material.
5. Enter the password and then press the **ENTER** button.
 - The password is set to "7890" by default.
 - Once the setup is complete, you will be taken to the previous screen.

- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.



■ This function works only if a DVD disc contains the rating level information.



SETTING THE PASSWORD

You can set the password for the Parental (rating level) setting.

1. In Stop mode, press the **MENU** button.
2. Press the Cursor **▼** button to move to **Setup** and then press the **ENTER** or **▶** button.
3. Press the Cursor **▼** button to move to **PASSWORD** and then press the **ENTER** or **▶** button.
4. Press the **ENTER** button.
5. Enter the password and then press the **ENTER** button.
 - Enter the old password, a new password, and confirm new password.
 - The setting is complete.



■ The password is set to "7890" by default.



If you have forgotten the rating level password, do the following

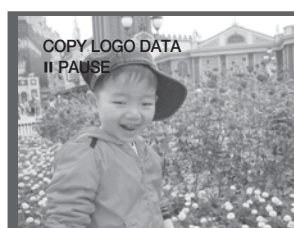
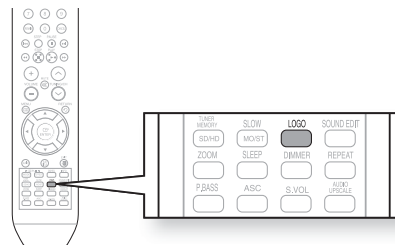
- While the player is in No Disc mode, hold the DVD Players **STOP (■)** button for longer than 5 seconds. **INITIAL** appears on the display and all settings will return to the default values.
- Press the **POWER** button.
Using the **RESET** function will erase all stored settings. Do not use this unless necessary.

SETTING THE WALLPAPER



While watching a DVD or JPEG CD, you can set the image you like as background wallpaper.

1. During playback, press the **PAUSE** (⏸) button when an image you like appears.
2. Press the **LOGO** button.
 - **COPY LOGO DATA** will be displayed on the TV screen.
3. The power will turn off and then back on.
 - The selected wallpaper will be displayed.
 - You can select up to 3 wallpaper settings.



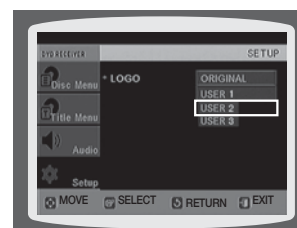
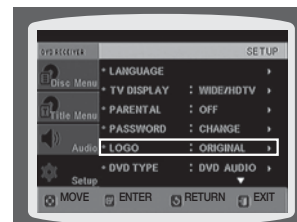
■ This function will not work when the HDMI output is 720p, 1080i or 1080p.

TO SELECT ONE OF THE 3 WALLPAPER SETTINGS YOU'VE MADE

1. In Stop mode, press the **MENU** button.
2. Press the Cursor ▼ button to move to **Setup** and then press the **ENTER** or ► button.
3. Press the Cursor ▼ button to move to **LOGO** and then press the **ENTER** or ► button.
4. Press the Cursor ▲, ▼ button select the desired **USER**, and then press the **ENTER** button.
 - This selects one of the 3 wallpaper screens.
5. Press the **EXIT** button to exit the setup screen.

- **ORIGINAL** : Select this to set the Samsung Logo image as your wallpaper.
- **USER** : Select this to set the desired image as your wallpaper.

- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.



system setup

DVD PLAYBACK MODE

Some DVD-Audio discs contain DVD-Video as well as DVD-Audio.

To play back the DVD-Video portion of the DVD-Audio disc, set the unit to DVD-Video mode.

1. Press the **MENU** button while the disc tray is open.
2. Press the Cursor **▼** button to move to **Setup** and then press the **ENTER** or **►** button.
3. Press the Cursor **▼** button to move to **DVD TYPE** and then press the **ENTER** or **►** button.
4. Press the Cursor **▲, ▼** button to move to DVD VIDEO and then press the **ENTER** button.
 - Set steps 1 ~ 4 again if you want to switch to DVD AUDIO Play mode.

- **DVD VIDEO** : Set to play the DVD video contents contained on a DVD audio disc.
- **DVD AUDIO** : Set to play the default DVD audio.



- DVD Play mode is set to DVD Audio as factory default setting.
- Powering off the main unit will automatically switch to the DVD Audio mode.

DviX (R) Registration

Please use the Registration code to register this player with the DivX (R) video on demand format. To learn more, go to www.divx.com/vod.

SETTING THE SPEAKER MODE

Signal outputs and frequency responses from the speakers will automatically be adjusted according to your speaker configuration and whether certain speakers are used or not.

1. In Stop mode, press the **MENU** button.
2. Press the Cursor **▼** button to move to **Audio** and then press the **ENTER** or **►** button.
3. In the **SPEAKER SETUP**, press the **ENTER** or **►** button again.
4. Press the Cursor **▲, ▼, ◀, ▶** button to move to the desired speaker and then press the **ENTER** button.
 - For C, SL, and SR, each time the button is pressed, the mode switches alternately as follows : **SMALL → NONE**.
 - For L and R, the mode is set to **SMALL**.

- **SMALL** : Select this when using the speakers.
- **NONE** : Select this when no speaker is connected.

- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.

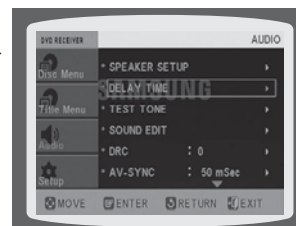


- Depending on PRO LOGIC and STEREO settings, the speaker mode may vary (see page 58).

SETTING THE DELAY TIME

If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the center and rear speakers.

1. In Stop mode, press the **MENU** button.
 2. Press the Cursor $\blacktriangledown$ button to move to **Audio** and then press the **ENTER** or $\blacktriangleright$ button.
 3. Press the Cursor $\blacktriangledown$ button to move to **DELAY TIME** and then press the **ENTER** or $\blacktriangleright$ button.
 4. Press the **ENTER** button.
 5. Press the Cursor $\blacktriangleleft$, $\blacktriangleright$ button to set the Delay time.
 - You can set the delay time for C between 00 and 05mSEC and for SL and SR between 00 and 15mSEC.
- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.



Setting up the Speaker Delay Time

When 5.1CH Surround Sound is played, you can enjoy the best sound if the distance between you and each speaker is the same.

Since the sounds arrive at the listening position at different times depending on the placement of speakers, you can adjust this difference by adding a delay effect to the sound of the Center and Surround Speakers.

Setting CENTER SPEAKER

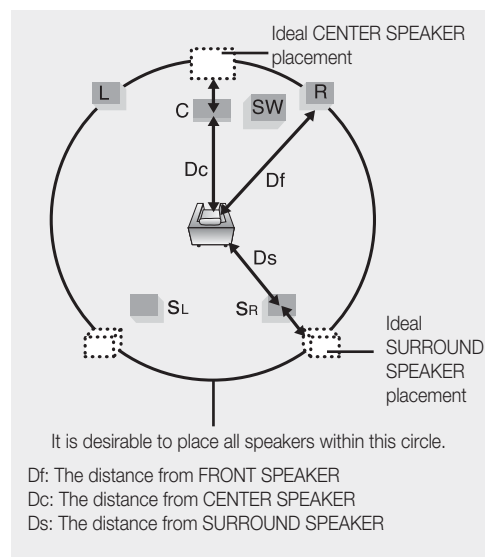
If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Dc	0.00 inch	1 feet, 1.39 inches	2 feet, 2.77 inches	3 feet, 5.73 inches	4 feet, 7.12 inches	5 feet, 9.29 inches
Delay Time	0 ms	1 ms	2 ms	3 ms	4 ms	5 ms

Setting REAR SPEAKERS

If the distance of Dc is equal to or longer than the distance of Dr in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Dc	0.00 inch	3 feet, 5.73 inches	6 feet, 11.07 inches	10 feet, 4.80 inches	13 feet, 10.54 inches	17 feet, 4.27 inches
Delay Time	0 ms	3 ms	6 ms	9 ms	12 ms	15 ms



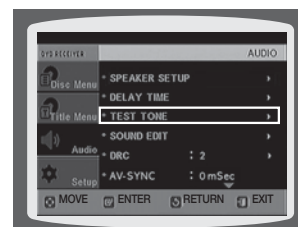
- With $\square$ **PL II** (Dolby Pro Logic II), the delay time may be different for each mode.
- With AC-3 and DTS, the delay time can be set between 00 and 15mSEC.
- The Center channel is only adjustable on 5.1 channel discs.

system setup

SETTING THE TEST TONE

Use the Test Tone feature to check the speaker connections.

1. In Stop mode, press the **MENU** button.
 2. Press the Cursor **▼** button to move to **Audio** and then press the **ENTER** or **►** button.
 3. Press the Cursor **▼** button to move to **TEST TONE** and then press the **ENTER** or **►** button.
 - The test tone will be sent to **L → C → R → SR → SL → SW** in order.
 - If the **ENTER** button is pressed again at this time, the test tone will stop.
- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.

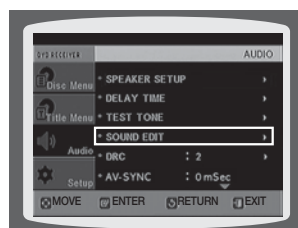


SETTING THE AUDIO

You can adjust the balance and level for each speaker.

1. In Stop mode, press the **MENU** button.
 2. Press the Cursor **▼** button to move to **Audio** and then press the **ENTER** or **►** button.
 3. Press the Cursor **▼** button to move to **SOUND EDIT** and then press the **ENTER** button.
 4. Press the Cursor **▲**, **▼** button to select and adjust the desired item.

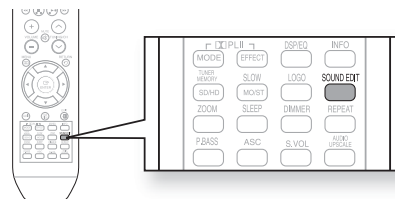
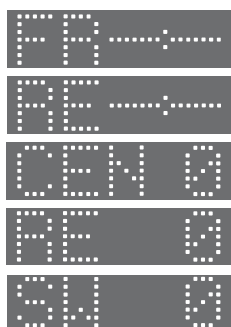
Press the Cursor **◀**, **▶** button to adjust the settings.
- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.



Manually Adjusting the Speaker Volume and Balance with the SOUND EDIT Button.

Press the **SOUND EDIT** button and then press the Cursor **◀, ▶** button.

- Each time you press the **SOUND EDIT** button, you can see the balance and level for each speaker.



Adjusting Front/Rear Speaker Balance

- You can select between 0 dB, -6 dB, and OFF.
- The volume decreases as you move closer to -6 dB.

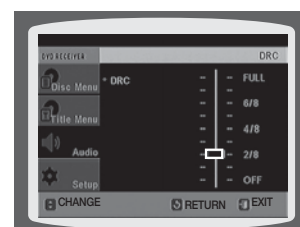
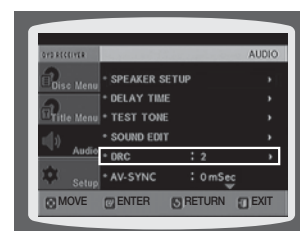
Adjusting Center/Rear/Subwoofer Speaker Level

- The volume level can be adjusted in steps from +6dB to -6dB.
- The sound gets louder as you move closer to +6dB and quieter as you get closer to -6dB.

SETTING THE DRC (DYNAMIC RANGE COMPRESSION)

This feature balances the range between the loudest and quietest sounds. You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.

- In Stop mode, press the **MENU** button.
 - Press the Cursor **▼** button to move to **Audio** and then press the **ENTER** or **▶** button.
 - Press the Cursor **▼** button to move to **DRC** and then press the **ENTER** or **▶** button.
 - Press the Cursor **▲, ▼** to adjust the **DRC**.
 - When the Cursor **▲** button is pressed, the effect is greater, and when the Cursor **▼** button is pressed, the effect is smaller.
- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.

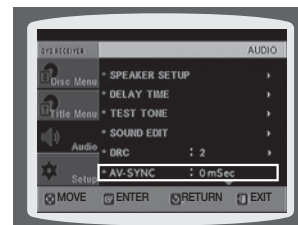


system setup

SETTING THE AV SYNC

Video may look slower than the audio if it is connected to a digital TV. If this occurs, adjust the audio delay time to match the video.

1. In Stop mode, press the **MENU** button.
 2. Press the Cursor **▼** button to move to **Audio** and then press the **ENTER** or **►** button.
 3. Press the Cursor **▼** button to move to **AV-SYNC** and then press the **ENTER** or **►** button.
 4. Press the Cursor **▲, ▼** button to select the **AV-SYNC** Delay Time and then press the **ENTER** button.
 - You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.
- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.



SETTING THE HDMI AUDIO

The audio signals transmitted over the HDMI Cable can be toggled ON/OFF.

1. In Stop mode, press the **MENU** button.
 2. Press the Cursor **▼** button to move to **Audio** and then press the **ENTER** or **►** button.
 3. Press the Cursor **▼** button to move to **HDMI AUDIO** and then press the **ENTER** or **►** button.
 4. Press the Cursor **▲, ▼** button to select **ON** or **OFF** and then press the **ENTER** button.
- **ON** : Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.
 - **OFF** : Video is transmitted over the HDMI connection cable only, and audio is output through the home theater speakers only.
- Press the **RETURN** button to return to the previous level.
- Press the **EXIT** button to exit the setup screen.



- The default setting of this function is HDMI AUDIO OFF.
- HDMI AUDIO is automatically down-mixed to 2ch for TV speakers.

system setup

DOLBY PRO LOGIC II MODE

You can select the desired Dolby Pro Logic II AUDIO mode.

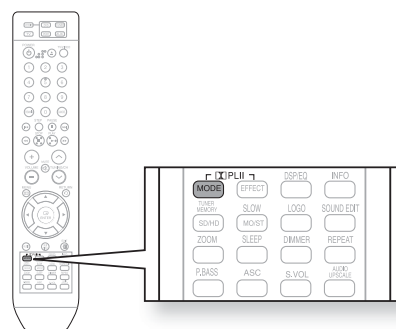
Press the **PL II MODE** button.

- Each time the button is pressed, the mode changes as follows.

MUSIC → **CINEMA** → **PRO LOGIC** → **MATRIX** →
STEREO → **MUSIC**

PRO LOGIC II

- MUSIC** : When listening to music, you can experience sound effects as if you are listening to the actual performance.
- CINEMA** : Adds realism to the movie soundtrack.
- PRO LOGIC** : You will experience a realistic multi-channel effect, as if you're using five speakers, though using just the front left and right speakers.
- MATRIX** : You will hear 5.1 channel surround sound.
- STEREO** : Select this to listen to sound from the front left and right speakers and the subwoofer only.

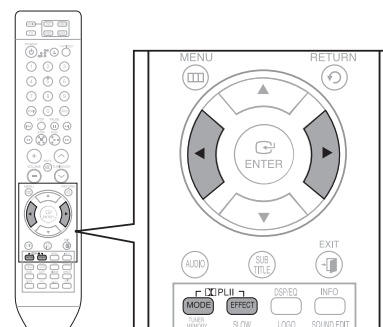


- When selecting Pro Logic II mode, connect your external device to the AUDIO INPUT jacks (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to surround sound.

DOLBY PRO LOGIC II EFFECT

This function works only in Dolby Pro Logic II MUSIC mode.

- Press the **PL II MODE** button to select **MUSIC** mode.
- Press the **PL II EFFECT** button.
- Press the **◀**, **▶** buttons to select the desired effect setting.
 - PANORAMA** : You can select either 0 or 1.
 - C- WIDTH** : You can select between 0 and 7.
 - DIMENS** : You can select between 0 and 6.

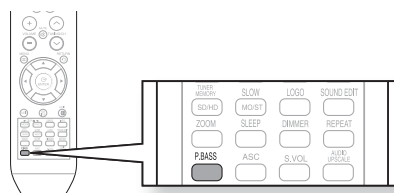


P.BASS

P.BASS function stresses low tones providing thudding sound effects.

Press the P.BASS button to select **P.BASS** mode.

PBAS ON → **PBAS OFF**

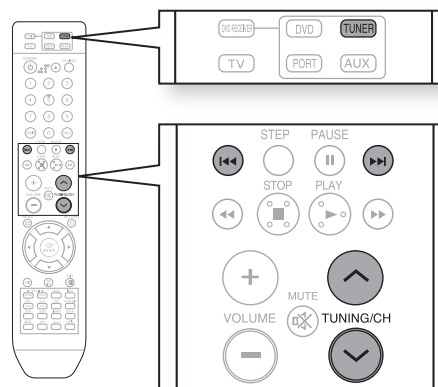


- The P.BASS function is only available with 2 channel LPCM sources such as mp3, Divx, cd and wma. Press P.BASS button and "POWER BASS ON" will be displayed on the screen.
- The P.BASS does not work with DSP/EQ or DOLBY PRO LOGIC II modes. If you press P.BASS in the DSP/EQ mode, the DSP/EQ mode is automatically shut off and the P. BASS function comes on.

LISTENING TO RADIO

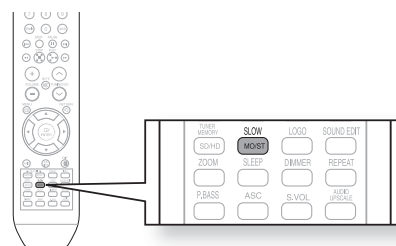
Remote Control

1. Press the **TUNER** button to select the FM band.
2. Tune in to the desired station.
 - **Automatic Tuning 1** : When the **◀◀**, **▶▶** button is pressed, a preset broadcast station is selected.
 - **Automatic Tuning 2** : Press and hold the **▲**, **▼** button to automatically search for active broadcasting stations.
 - **Manual Tuning** : Briefly press the **▲**, **▼** button to increase or decrease the frequency incrementally.



Main Unit

1. Press the **FUNCTION** button to select the FM band.
2. Select a broadcast station.
 - **Automatic Tuning 1** : Press the **STOP** (■) button to select **PRESET** and then press the **◀◀**, **▶▶** button to select the preset station.
 - **Automatic Tuning 2** : Press the **STOP** (■) button to select **MANUAL** and then press and hold the **◀◀**, **▶▶** button to automatically search the band.
 - **Manual Tuning** : Press the **STOP** (■) button to select **MANUAL** and then briefly press the **◀◀**, **▶▶** button to tune in to a lower or higher frequency.



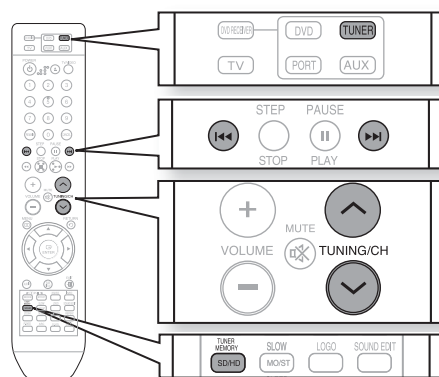
Press the **MO/ST** button to listen in Mono/Stereo.

- Each time the button is pressed, the sound switches between STEREO and MONO.
- In a poor reception area, select MONO for a clear, interference-free broadcast.

PRESETTING STATIONS

Example : Presetting FM 89.10 in the memory

1. Press the **TUNER** button to select the FM band.
2. Press the **▲**, **▼** button to select **89.10**.
3. Press the **TUNER MEMORY** button.
 - **01** flashes in the display.
4. Press the **◀◀**, **▶▶** button to select preset number.
 - You can select between 1 and 15 presets.
5. Press the **TUNER MEMORY** button again.
 - Press the **TUNER MEMORY** button before **Number** disappears from the display.
 - **Number** disappears from the display and the station is stored in memory.
6. To preset another station, repeat steps 2 to 5.
 - To tune in to a preset station, press the **◀◀**, **▶▶** button on the remote control to select a channel.



■ This unit does not receive AM broadcasts.

convenient function

SLEEP TIMER FUNCTION

You can set the time that the Home Theater will shut itself off.

Press the **SLEEP** button.

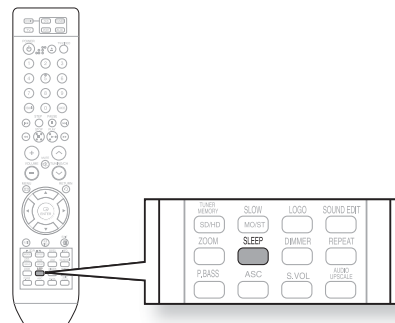
- **SLEEP** will be displayed. Each time the button is pressed, the preset time changes as follows :

→ 10 → 20 → 30 → 60 → 90 → 120 → 150 → OFF

To confirm the sleep timer setting, press the **SLEEP** button.

- The remaining time before the Home Theater will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

To cancel the sleep timer, press the **SLEEP** button until **OFF** appears on the display.

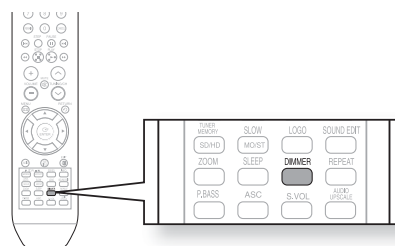


ADJUSTING DISPLAY BRIGHTNESS

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press the **DIMMER** button.

- Each time the button is pressed, the brightness of front display will be adjusted.

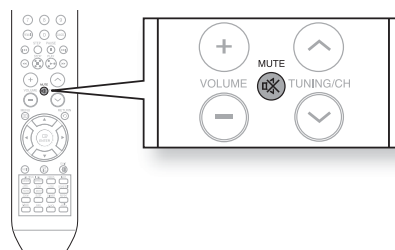


MUTE FUNCTION

This is useful when answering a doorbell or telephone call.

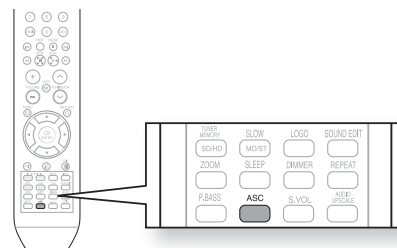
Press the **MUTE** button.

- **MUTE** appears in the display.
- To restore the sound, press the **MUTE** button again.



ASC (Auto Sound Calibration) SETUP

1. Plug the ASC microphone into the ASC input jack.
2. Place the ASC microphone at the listening position.
3. Press **ASC** button.
 - To create the optimal 5.1 channel sound field, the selections are in the following sequence:
L → C → R → SR → SL → SW
4. When the message "REMOVE MIC" appears in the display, unplug the ASC microphone.



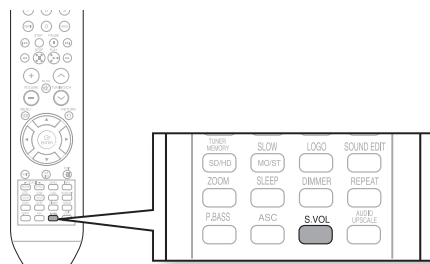
S.VOL (SMART VOLUME)

This will regulate and stabilize the volume level against a drastic volume change in case of a channel change or scene transition.

Press the **V-SOUND** button.

- Each time the button is pressed, the selection changes as follows :

SVOL ON → SVOL OFF



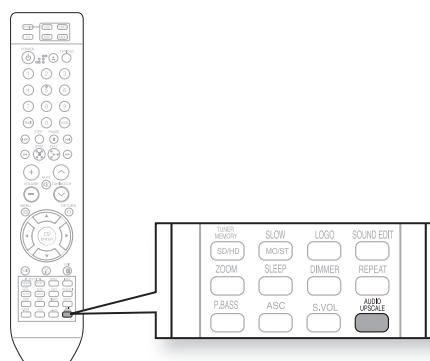
AUDIO UPSCALING

This also helps enhance your sound experience (ex. mp3 music). Use this if you want to hear a better sound from a low-quality mp3 source.

Press the **AUDIO UPSCALING** button.

- Each time the button is pressed, the selection changes as follows :

UPSC ON → UPSC OFF



troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

SYMPTOM	Check/Remedy
I cannot eject the disc.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Check the region number of the DVD. DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this DVD player. • Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
Sound can be heard only from a few speakers and not all six.	• When listening to a CD or radio, sound is output to the front speakers (L/R) only. Select "PRO LOGIC II" by pressing  PL II (Dolby Pro Logic II) on the remote control to use all six speakers. • Make sure that the DVD disc is 5.1-CH compatible. • If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL.
Dolby Digital 5.1 CH Surround Sound is not produced.	• Is there "Dolby Digital 5.1 CH" mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. • Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries exhausted? • Have you selected the mode(TV/DVD) functions of the remote control (TV or DVD) correctly?

SYMPTOM	Check/Remedy
• Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking.	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.
Audio language and subtitles do not work.	• Audio language and subtitles will not work if the disc does not contain them.
Menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
• The main unit is not working. (Example: The power goes out or strange noise is heard.) • The DVD player is not working normally.	• Turn off the power and hold the STOP (■) button on the remote control for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless it is necessary.
The password for rating level has been forgotten.	• While "NO DISC" message appears on the display of main unit, hold the main unit's STOP (■) button for longer than 5 seconds. "INITIAL" appears on the display and all settings will return to the default values. • Press the POWER button. Using the RESET function will erase all stored settings. Do not use this unless it is necessary.
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.

language code list

Enter the appropriate code number for the initial settings “Disc Audio”, “Disc Subtitle” and/or “Disc Menu” (See page 48).

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1181	Frisian	1334	Latvian, Lettish	1506	Slovenian
1028	Abkhazian	1183	Irish	1345	Malagasy	1507	Samoa
1032	Afrikaans	1186	Scots Gaelic	1347	Maori	1508	Shona
1039	Amharic	1194	Galician	1349	Macedonian	1509	Somali
1044	Arabic	1196	Guarani	1350	Malayalam	1511	Albanian
1045	Assamese	1203	Gujarati	1352	Mongolian	1512	Serbian
1051	Aymara	1209	Hausa	1353	Moldavian	1513	Siswati
1052	Azerbaijani	1217	Hindi	1356	Marathi	1514	Sesotho
1053	Bashkir	1226	Croatian	1357	Malay	1515	Sundanese
1057	Byelorussian	1229	Hungarian	1358	Maltese	1516	Swedish
1059	Bulgarian	1233	Armenian	1363	Burmese	1517	Swahili
1060	Bihari	1235	Interlingua	1365	Nauru	1521	Tamil
1069	Bislama	1239	Interlingue	1369	Nepali	1525	Tegulu
1066	Bengali; Bangla	1245	Inupiak	1376	Dutch	1527	Tajik
1067	Tibetan	1248	Indonesian	1379	Norwegian	1528	Thai
1070	Breton	1253	Icelandic	1393	Occitan	1529	Tigrinya
1079	Catalan	1254	Italian	1403	(Afan) Oromo	1531	Turkmen
1093	Corsican	1257	Hebrew	1408	Oriya	1532	Tagalog
1097	Czech	1261	Japanese	1417	Punjabi	1534	Setswana
1103	Welsh	1269	Yiddish	1428	Polish	1535	Tonga
1105	Danish	1283	Javanese	1435	Pashto, Pushto	1538	Turkish
1109	German	1287	Georgian	1436	Portuguese	1539	Tsonga
1130	Bhutani	1297	Kazakh	1463	Quechua	1540	Tatar
1142	Greek	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1144	English	1299	Cambodian	1482	Kirundi	1557	Ukrainian
1145	Esperanto	1300	Kannada	1483	Romanian	1564	Urdu
1149	Spanish	1301	Korean	1489	Russian	1572	Uzbek
1150	Estonian	1305	Kashmiri	1491	Kinyarwanda	1581	Vietnamese
1151	Basque	1307	Kurdish	1495	Sanskrit	1587	Volapuk
1157	Persian	1311	Kirghiz	1498	Sindhi	1613	Wolof
1165	Finnish	1313	Latin	1501	Sangro	1632	Xhosa
1166	Fiji	1326	Lingala	1502	Serbo-Croatian	1665	Yoruba
1171	Faeroese	1327	Laotian	1503	Singhalese	1684	Chinese
1174	French	1332	Lithuanian	1505	Slovak	1697	Zulu

USB host feature supported products

DIGITAL CAMERA

Product	Company	Type	Product	Company	Type
Finepix-A340	Fuji	Digital Camera	U300	Olympus	Digital Camera
Finepix-F810	Fuji	Digital Camera	X-350	Olympus	Digital Camera
Finepix-F610	Fuji	Digital Camera	C-760	Olympus	Digital Camera
Finepix-f450	Fuji	Digital Camera	C-5060	Olympus	Digital Camera
Finepix S7000	Fuji	Digital Camera	X1	Olympus	Digital Camera
Finepix A310	Fuji	Digital Camera	U-mini	Olympus	Digital Camera
KD-310Z	Konica	Digital Camera	Lumix-FZ20	Panasonic	Digital Camera
Finecam SL300R	Kyocera	Digital Camera	DMC-FX7GD	Panasonic	Digital Camera
Finecam SL400R	Kyocera	Digital Camera	Lumix LC33	Panasonic	Digital Camera
Finecam S5R	Kyocera	Digital Camera	LUMIX DMC-F1	Panasonic	Digital Camera
Finecam Xt	Kyocera	Digital Camera	Optio-S40	Pentax	Digital Camera
Dimage-Z1	Minolta	Digital Camera	Optio-S50	Pentax	Digital Camera
Dimage Z1	Minolta	Digital Camera	Optio 33LF	Pentax	Digital Camera
Dimage X21	Minolta	Digital Camera	Optio MX	Pentax	Digital Camera
Coolpix4200	Nikon	Digital Camera	Digimax-420	Samsung	Digital Camera
Coolpix4300	Nikon	Digital Camera	Digimax-400	Samsung	Digital Camera
Coolpix 2200	Nikon	Digital Camera	Sora PDR-T30	Toshiba	Digital Camera
Coolpix 3500	Nikon	Digital Camera	Coolpix 5900	Nikon	Digital Camera
Coolpix 3700	Nikon	Digital Camera	Coolpix S1	Nikon	Digital Camera
Coolpix 4100	Nikon	Digital Camera	Coolpix 7600	Nikon	Digital Camera
Coolpix 5200	Nikon	Digital Camera	DMC-FX7	Panasonic	Digital Camera
Stylus 410 digital	Olympus	Digital Camera	Dimage Xt	Minolta	Digital Camera
300-digital	Olympus	Digital Camera	AZ-1	Olympus	Digital Camera
300-digital	Olympus	Digital Camera			Digital Camera

USB FLASH DISC

Product	Company	Type	Product	Company	Type
Cruzer Micro	Sandisk	USB 2.0 USB Flash Drive 128M	XTICK	LG	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 128M	Micro Mini	lomega	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 256M	iFlash	Imation	USB 2.0 64M
SONY Micro Vault	Sony	USB 2.0 64MB	LG	XTICK(M)	USB 2.0 64M
FLEX DRIVE	Serotech	USB 2.0 32MB	RiDATA	EZDrive	USB 2.0 64M
AnyDrive	A.L tech	USB 2.0 128MB			

MP3 PLAYER

Product	Company	Type	Product	Company	Type
Creative MuVo NX128M	Creative	128 MB MP3 Player	YP-780	Samsung	MP3 Player
Iriver H320	Iriver	20G HDD MP3 Player	YP-35	Samsung	MP3 Player
YH-920	Samsung	20G HDD MP3 Player	YP-55	Samsung	MP3 Player
YP-T7	Samsung	MP3 Player	iAUDIO U2	Cowon	MP3 Player
YP-MT6	Samsung	MP3 Player	iAUDIO G3	Cowon	MP3 Player
YP-T6	Samsung	MP3 Player	iAudio M3	Cowon	HDD MP3 Player
YP-53	Samsung	MP3 Player	SI-M500L	Sharp	256MB MP3 Player
YP-ST5	Samsung	MP3 Player	H10	Iriver	MP3 Player
YP-T5	Samsung	MP3 Player	YP-T5 VB	Samsung	MP3 Player
YP-60	Samsung	MP3 Player	YP-53	Samsung	256MB MP3 Player

appendix

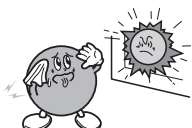
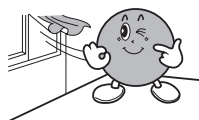
CAUTIONS ON HANDLING AND STORING DISCS

Small scratches on the disc may reduce sound and picture quality or cause skipping.
Be especially careful not to scratch discs when handling them.

Handling discs

Do not touch the playback side of the disc.
Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Disc Storage

Do not keep in direct sunlight	Keep in a cool ventilated area	Keep in a clean Protection jacket. Store vertically.
		



- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

Handling and Storing Discs

When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc



- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

SPECIFICATIONS

General	Power Consumption	55 W	
	Weight	8.8 lbs	
	Dimensions	18.5 (W) x 7.7 (H) x 4.6 (D) inches	
	Operating Temperature Range	+41°F to +95°F	
	Operating Humidity Range	10 % to 75 %	
Disc	BD (Blu-ray Disc)	Reading Speed : 4.917m/sec	
	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.	
	CD : 5 inches (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min.	
	CD : 3 1/2 inches (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 20 min.	
Video Output	Composite Video	1.0 Vp-p (75 Ω load)	
	Component Video	Y : 1.0 Vp-p (75 Ω load)	
		P _R : 0.70 Vp-p (75 Ω load)	
		P _B : 0.70 Vp-p (75 Ω load)	
	HDMI	Impedance: 85~115 Ω	
Amplifier	Front speaker output	133W x 2(3 Ω)	
	Center speaker output	133W(3 Ω)	
	Rear speaker output	100W x 2(3 Ω)	
	Subwoofer speaker output	100W(3 Ω)	
	Frequency range	20Hz~20KHz	
	S/N Ratio	70dB	
	Channel separation	60dB	
	Input sensitivity	(AUX)400mV	
Speaker	Speaker system	5.1ch speaker system	
		Front/Center/Rear	Subwoofer
	Impedance	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	35Hz~160Hz
	Output sound pressure level	86dB	86dB
	Rated input	133W	133W
	Maximum input	266W	266W
	Dimensions (W x H x D)	Front/Rear : 3.8x21.1x4.0 inches (stand base : ϕ 7.5)	
		Center : 14.8x3.3x5.6 inches	
		Subwoofer : 8.5x14.3x16.2 inches	
	Weights	Front : 4.9 lbs, Rear : 4.9 lbs	
		Center : 2.7 lbs, Subwoofer : 15.7 lbs	

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

WARRANTY

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by Samsung Electronics America, Inc. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) Year Parts and Labor*

(*90 Days Parts and Labor for Commercial Use)

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. Transportation of the product to and from the service center is the responsibility of the purchaser.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

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Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty hardware service, please contact SAMSUNG at:

Samsung Electronics America, Inc.
105 Challenger Road Ridgefield Park, NJ 07660-0511
1-800-SAMSUNG (726-7864) and www.samsung.com/us

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Region	Country	Customer Care Center ☎	Web Site
North America	CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca
	MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com
	U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com
Latin America	ARGENTINE	0800-333-3733	www.samsung.com/ar
	BRAZIL	0800-124-421 , 4004-0000	www.samsung.com
	CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl
	NICARAGUA	00-1800-5077267	
	HONDURAS	800-7919267	
	COSTA RICA	0-800-507-7267	www.samsung.com/latin
	ECUADOR	1-800-10-7267	www.samsung.com/latin
	EL SALVADOR	800-6225	www.samsung.com/latin
	GUATEMALA	1-800-299-0013	www.samsung.com/latin
	JAMAICA	1-800-234-7267	www.samsung.com/latin
	PANAMA	800-7267	www.samsung.com/latin
	PUERTO RICO	1-800-682-3180	www.samsung.com/latin
	REP. DOMINICA	1-800-751-2676	www.samsung.com/latin
	TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	www.samsung.com/latin
	VENEZUELA	0-800-100-5303	www.samsung.com/latin
Europe	COLOMBIA	01-8000112112	www.samsung.com.co
	BELGIUM	0032 (0)2 201 24 18	www.samsung.com/be
	CZECH REPUBLIC	844 000 844 Distributor pro Českou republiku: Samsung Zrt., česká organizační složka Vyskočilova 4, 14000 Praha 4	www.samsung.com/cz
	DENMARK	70 70 19 70	www.samsung.com/dk
	FINLAND	030-6227 515	www.samsung.com/fi
	FRANCE	3260 SAMSUNG (€ 0,15/Min), 08 25 08 65 65 (€ 0,15/Min)	www.samsung.com
	GERMANY	01805 - SAMSUNG(726-7864) (€ 0,14/Min)	www.samsung.com
	HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com
	ITALIA	800-SAMSUNG(726-7864)	www.samsung.com
	LUXEMBURG	0035 (0)2 261 03 710	www.samsung.com/be
	NETHERLANDS	0900-SAMSUNG(726-7864) (€ 0,10/Min)	www.samsung.com/nl
	NORWAY	815-56 480	www.samsung.com/no
	POLAND	0 801 801 881 , 022-607-93-33	www.samsung.com/pl
	PORTUGAL	80820-SAMSUNG(726-7864)	www.samsung.com/pt
	SLOVAKIA	0800-SAMSUNG(726-7864)	www.samsung.com/sk
	SPAIN	902 10 11 30	www.samsung.com
	SWEDEN	0771-400 200	www.samsung.com/se
	U.K	0845 SAMSUNG (7267864)	www.samsung.com
	EIRE	0818 717 100	www.samsung.com/ie
	AUSTRIA	0800-SAMSUNG(726-7864)	www.samsung.com/at
	SWITZERLAND	0800-SAMSUNG(726-7864)	www.samsung.com/ch
CIS	RUSSIA	8-800-555-55-55	www.samsung.com
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QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT	WRITE
IN THE US	1-800-SAMSUNG (7267864)	www.samsung.com/us	Samsung Electronics America, Inc. 105 Challenger Road Ridgefield Park, NJ 07660-0511

Code No. AH68-02068R

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution : Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth in an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Canadian Department of Communications Radio Interference Regulations

This digital apparatus (Wireless Internet Radio) does not exceed the Class B limits for radio-noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.