

HT-E350K  
HT-E353K  
HT-E353HK  
HT-E355K

# Digital Home Entertainment System user manual

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**SAMSUNG**

# Safety Information

## Safety Warnings

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

	<p style="text-align: center;"><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p>	
<p>This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.</p>	<p><b>CAUTION</b> : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.</p>	<p>This symbol indicates important instructions accompanying the product.</p>

### WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

### CAUTION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.
- This apparatus shall always be connected to an AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

**CLASS 1      LASER PRODUCT**  
**KLASSE 1    LASER PRODUKT**  
**LUOKAN 1    LASER LAITE**  
**KLASS 1      LASER APPARAT**  
**PRODUCTO   LÁSER CLASE 1**

### **CLASS 1 LASER PRODUCT**

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### CAUTION






- INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

## Precautions

- Ensure that the AC power supply in your house complies with the identification sticker located on the back of your product.
- Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (7.5–10cm).
- Do not place the product on amplifiers or other equipment which may become hot. Make sure the ventilation slots are not covered.
- Do not stack anything on top of the product.
- Before moving the product, ensure the Disc Insert Hole is empty.
- In order to disconnect the product completely from the power supply, remove the AC plug from the wall outlet, especially when left unused for a long period of time.
- During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the product.
- Do not expose the product to direct sunlight or other heat sources. This could lead to overheating and malfunction of the product.
- Protect the product from moisture, and excess heat or equipment creating strong magnetic or electric fields (i.e. speakers.).
- Disconnect the power cable from the AC supply if the product malfunctions.
- Your product is not intended for industrial use. Use of this product is for personal use only.
- Condensation may occur if your product or disc has been stored in cold temperatures. If transporting the product during the winter, wait approximately 2 hours until the product has reached room temperature before using.
- The batteries used with this product contain chemicals that are harmful to the environment. Do not dispose of batteries in the general household trash.

## Accessories

Check for the supplied accessories below.

				
Video Cable	HDMI Cable(option)	FM Antenna	User manual	Remote Control/Batteries (AAA size)

# Safety Information

## 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.

## Holding 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.

### NOTE

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

## Handling and Storing Discs

If 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

### NOTE

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

## Licence



- Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.



- ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit [divx.com](http://divx.com) for more information and software tools to convert your files into DivX videos.
- ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to [vod.divx.com](http://vod.divx.com) for more information on how to complete your registration.
- DivX Certified® to play DivX® video, including premium content.
- DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.
- Covered by one or more of the following U.S. patents : 7,295,673; 7,460,668; 7,515,710; 7,519,274.

## HDMI

- HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.
- This product uses some software programs which are distributed under the Independent JPEG Group.
- This product uses some software programs which are distributed under the OpenSSL Project.

## Copyright

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## Copy Protection

- Many DVD discs are encoded with copy protection. Because of this, you should only connect your product directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.

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- Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance.
- An administration fee may be charged if either
  - a. an engineer is called out at your request and there is no defect in the product (i.e. where you have failed to read this user manual)
  - b. you bring the unit to a repair centre and there is no defect in the product (i.e. where you have failed to read this user manual).
- The amount of such administration charge will be advised to you before any work or home visit is carried out.

# Getting Started

## Icons that will be used in manual

Make sure to check the following terms before reading the user manual.

Icon	Term	Definition
	DVD	This involves a function available with DVD-Video or DVD±R/±RW discs that have been recorded and finalised in Video Mode.
	CD	This involves a function available with a data CD (CD DA, CD-R/-RW).
	MP3	This involves a function available with CD-R/-RW discs.
	JPEG	This involves a function available with CD-R/-RW discs.
	DivX	This involves a function available with MPEG4 discs. (DVD±R/±RW, CD-R/-RW)
	CAUTION	This involves a case where a function does not operate or settings may be cancelled.
	NOTE	This involves tips or instructions on the page that help each function operate.
	Shortcut Key	This function provides direct and easy access pressing the button on the remote control.

## Disc Types and Characteristics

### Region Code




The product and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

Disc Type	Region Code	Area
DVD-VIDEO		The U.S., U.S. territories and Canada
		Europe, Japan, the Middle East, Egypt, South Africa, Greenland
		Taiwan, Korea, the Philippines, Indonesia, Hong Kong
		Mexico, South America, Central America, Australia, New Zealand, Pacific Islands, Caribbean
		Russia, Eastern Europe, India, most of Africa, North Korea, Mongolia
		China

# Getting Started

## Disc Types and Characteristics

### Disc types that can be played

Disc Types & Mark (Logo)	Recorded Signals	Characteristics
 DVD-VIDEO	VIDEO	DVD video
		DVD-R/DVD-RW IN DVD video FORMAT
		DVD+R/DVD+RW IN DVD video FORMAT
 AUDIO-CD	AUDIO	AUDIO CD
 DivX	AUDIO + VIDEO	AUDIO CD
		CD-R/CD-RW in AUDIO CD FORMAT
	DATA CD	CD-R/CD-RW in DATA CD FORMAT that contains the following kinds of files and conforms to ISO 9660 LEVEL 1/LEVEL 2, OR JOLIET (EXTENDED FORMAT) -MP3 files -JPEG Image files -MPEG 4 VIDEO files
	DATA DVD	DVD-ROM/DVD-R/DVD-RW DVD+R/DVD+RW IN DATA DV FORMAT that contains the following kinds of files and conforms to UDF("Universal Disk Format) -MP3 files -JPEG Image files -MPEG 4 VIDEO files
	USB Device	USB Device that contains the following kinds of files. -MP3 FILE OR WMA/WMV files -JPEG Image files -MPEG 4 Video files

### Do not use the following type of discs!

- LD, CD-G, CD-I, CD-ROM, DVD-ROM and DVD-RAM discs cannot be played on this product. If such discs are played, a <WRONG DISC FORMAT> message appears on the TV screen.
- DVD discs purchased abroad may not play on this product. If such discs are played, a <Wrong Region. Please check Disc.> message appears on the TV screen.

### Disc Types And Disc Format

This product does not support Secure (DRM) Media files.

#### CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc. Do not use CD-R discs over 700MB/80 minutes as they may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

#### CD-R MP3 Discs

- MP3 file names should contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 500 tracks can be played per CD.
- A maximum of 300 folders can be played per CD.

#### CD-R JPEG Discs

- A maximum of 999 images can be stored on a folder.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.



## DVD±R/±RW, CD-R/RW Discs

- Software updates for incompatible formats are not supported.  
(Example : QPEL, GMC, resolutions higher than 800 x 600 pixels, etc.)
- If a DVD-R/-RW disc has not been recorded properly in DVD Video format, it will not be playable.

## Supported Formats (DivX)

This product only supports the following media formats. If both video and audio formats are not supported, the user may experience problems such as broken images or no sound.

### Supported Video Formats

Format	Supported Versions
AVI	DivX3.11~DivX6.8
WMV	V1/V2/V3/V7

### Supported Audio Formats

Format	Bit Rate	Sampling Frequency
MP3	80~320kbps	44.1kHz
WMA	56~128kbps	
AC3	128~384kbps	44.1/48kHz

- Aspect Ratio : This product supports up to 720x576 pixels. TV screen resolutions higher than 800 will not be supported.
- When you play a disc whose sampling frequency is higher than 48kHz or 320kbps, you may experience shaking on the screen during playback.
- Sections with a high frame rate might not be played while playing a DivX file.
- Since this product only provides encoding formats authorized by DivX Networks, Inc., a DivX file created by the user might not play.

## Notes on USB connection

Supported devices: USB storage media, MP3 player, digital camera

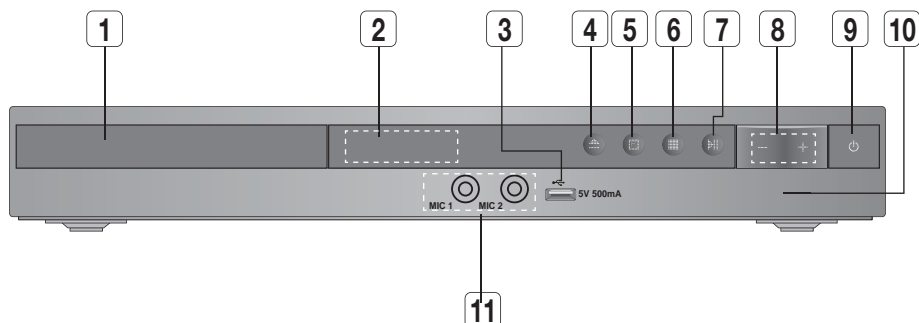
- 1) If a folder or file name is longer than 10 characters, it may not properly display or operate.
- 2) A subtitle file bigger than 300KB may not be properly displayed.
- 3) A certain USB/digital camera device, USB card reader is not supported.
- 4) FAT16 and FAT32 file systems are supported.
- 5) Photo (JPEG), music (MP3, WMA) and video file should have their names in Korean or English. Otherwise, the file may not played.
- 6) Connect directly to the product's USB port. Connecting through another cable may raise problems with USB compatibility.
- 7) Inserting more than one memory device to a multi-card reader may not operate properly.
- 8) PTP protocol for digital camera is not supported.
- 9) Do not disconnect USB device during a "Reading" process.
- 10) Bigger the image resolution, the longer the delay to displaying.
- 11) DRM applied MP3/WMA or video files downloaded from a commercial site are not played back.
- 12) External HDD device is not supported.
- 13) The maximum current supported by the USB port for an external device is 500 mA (at 5V DC).
- 14) Supported file formats








Format	Still Picture	Music		Movie	
		MP3	WMA	WMV	DivX
File name	JPG	MP3	WMA	WMV	DivX
File extension	JPG .JPEG	.MP3	.WMA	.WMV	.AVI
Bit rate	-	80~320 kbps	56~128 kbps	4Mbps	4Mbps
Version	-	-	V8	V1,V2, V3,V7	DivX3.11~ DivX6.8
Pixel	640x480	-	-	720x576	
Sampling Frequency	-	44.1kHz	44.1kHz	44.1KHz~ 48KHz	

# Getting Started

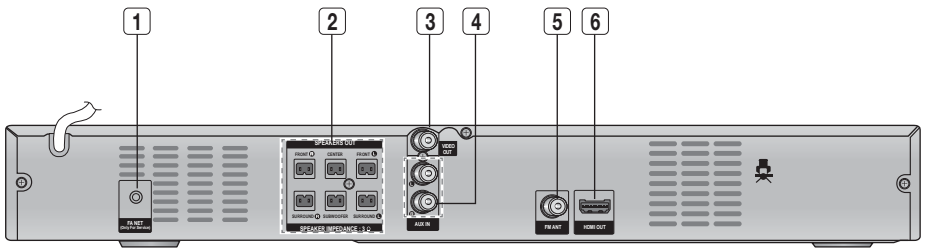
## Description

### Front Panel



<b>1</b>	<b>DISC TRAY</b>	Insert disc here.
<b>2</b>	<b>DISPLAY</b>	Displays the playing status, time, etc.
<b>3</b>	<b>USB PORT</b>	Connect here and play files from external USB storage devices such as MP3 players, USB flash memory, etc. The USB memory that requires high power (more than 500mA at 5V) may not be supported.
<b>4</b>	<b>OPEN/CLOSE BUTTON</b> (  )	Opens and closes the disc tray.
<b>5</b>	<b>FUNCTION BUTTON</b> (  )	The mode switches as follows : DVD/CD → ARC → AUX → USB → FM
<b>6</b>	<b>STOP BUTTON</b> (  )	Stops disc playback.
<b>7</b>	<b>PLAY / PAUSE BUTTON</b> (  )	Plays a disc or pauses playback.
<b>8</b>	<b>VOLUME CONTROL BUTTON</b> (  ,  )	Volume adjustment.
<b>9</b>	<b>POWER BUTTON</b> (  )	Turns the product on and off.
<b>10</b>	<b>REMOTE CONTROL SENSOR</b>	Detects signals from the remote control.
<b>11</b>	<b>MIC JACKS</b>	Connects to the microphone.

## Rear Panel

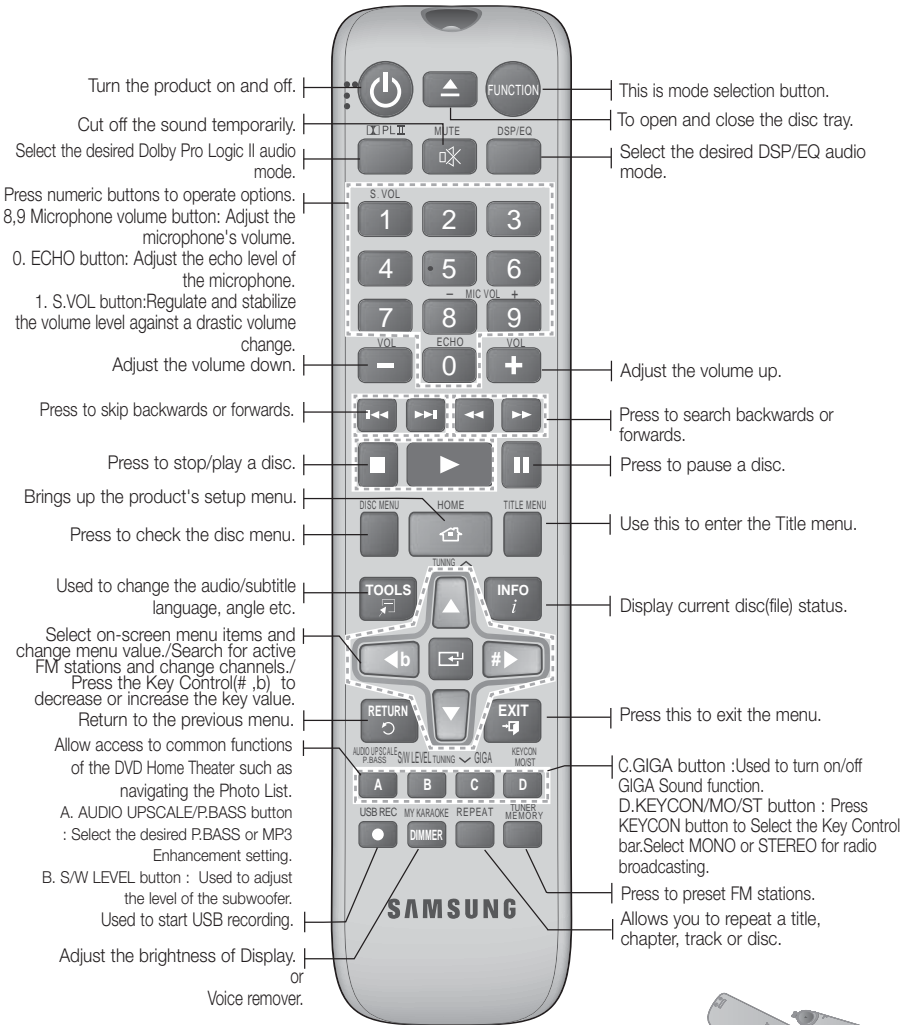


<b>1</b>	<b>FA NET (Only for Service)</b>	Used for the service repair.
<b>2</b>	<b>SPEAKERS OUTPUT CONNECTORS</b>	Connect the front, center, surround speakers and subwoofer.
<b>3</b>	<b>VIDEO OUT JACK</b>	Connect your TV's Video Input jack (VIDEO IN) to the VIDEO OUT jack.
<b>4</b>	<b>AUX IN JACKS</b>	Connect to the 2CH Analog output of an external device (such as a VCR).
<b>5</b>	<b>FM ANTENNA JACK</b>	Connect the FM antenna.
<b>6</b>	<b>HDMI OUT JACK</b>	Using an HDMI cable, connect this HDMI output jack to the HDMI input jack on your TV for the best quality picture.

# Getting Started

## Remote control

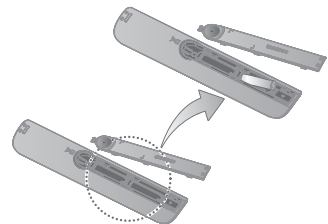
### Tour of the Remote Control



### Installing batteries in the Remote Control

#### NOTE

- Place batteries in the remote control so they match the polarity : (+) to (+) and (-) to (-).
- Always replace both batteries at the same time.
- Do not expose the batteries to heat or flame.
- The remote control can be used up to approximately 23 feet (7 meters) in a straight line.

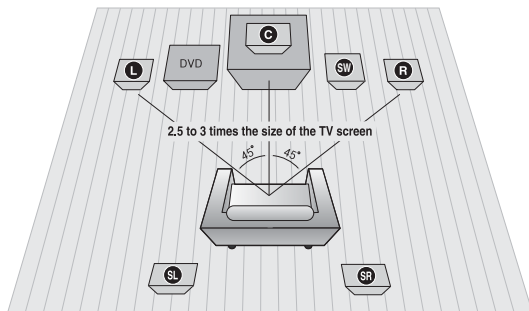


\* Battery size: AAA

# Connections

This section involves various methods of connecting the product to other external components. Before moving or installing the product, be sure to turn off the power and disconnect the power cord.

## Connecting the Speakers



### Position of the product

Place it on a stand or cabinet shelf, or under the TV stand.

### Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV.

Example : For 32" TV's 2~2.4m  
For 55" TV's 3.5~4m

<b>Front Speakers</b> L R	Place these speakers in front of your listening position, facing inwards (about 45°) toward you. Place the speakers so that their tweeters will be at the same height as your ear. Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.
<b>Center Speaker</b> C	It is best to install it at the same height as the front speakers. You can also install it directly over or under the TV.
<b>Surround Speakers</b> SL SR	Place these speakers to the side of your listening position. If there isn't enough room, place these speakers so they face each other. Place them about 60 to 90cm above your ear, facing slightly downward. * Unlike the front and center speakers, the surround speakers are used to handle mainly sound effects and sound will not come from them all the time.
<b>Subwoofer</b> SW	The position of the subwoofer is not so critical. Place it anywhere you like.

### ! CAUTION

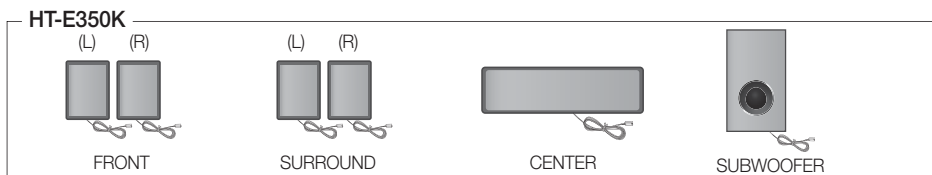
- Do not let children play with or near the speakers. They could get hurt if the speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/-) is correct.
- Keep the subwoofer out of the reach of children so as to prevent them from inserting their hands or alien substances into the duct (hole) of the subwoofer.
- Do not hang the subwoofer on the wall through the duct (hole).

### NOTE

- If you place a speaker near your TV set, screen colour may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

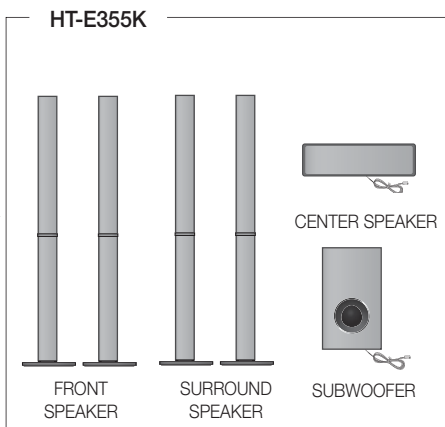
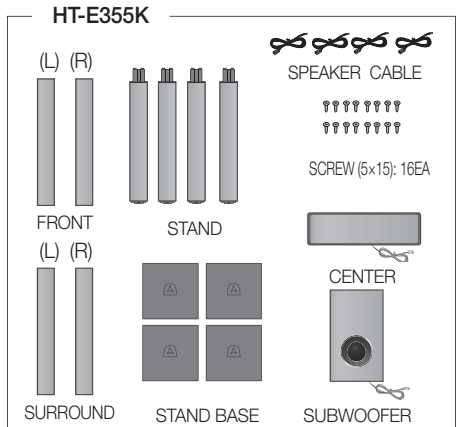
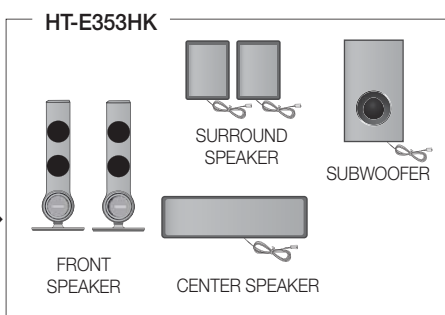
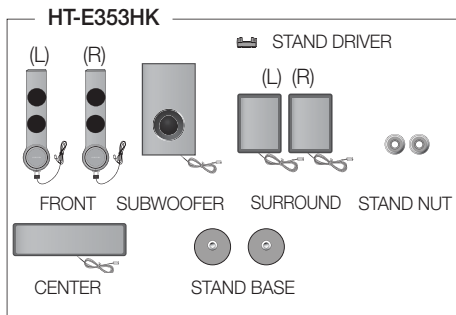
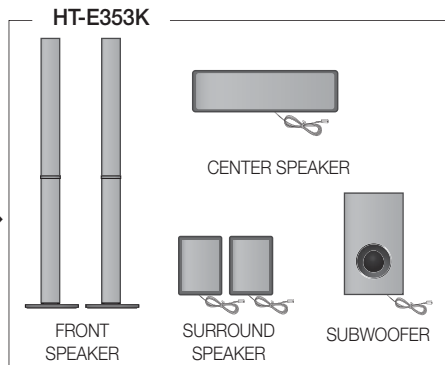
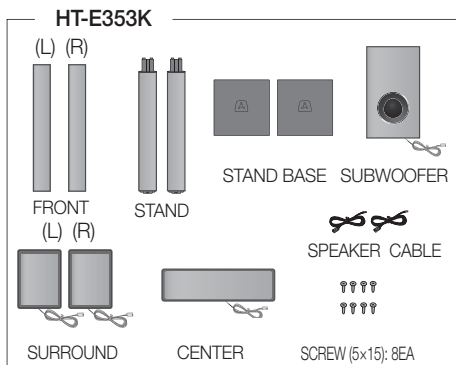
# Connections

## Speaker Components



## Speaker Components

## Assembled Speakers



## Installing the Speakers on the Tallboy Stand

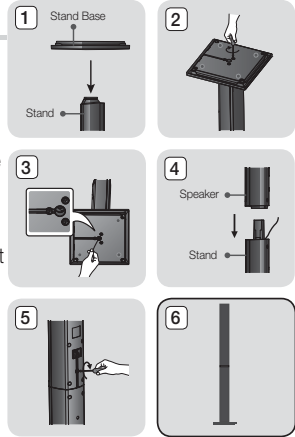
### \* HT-E353K - FrontSpeakers

#### HT-E355K - Front/Surround Speakers

1. Turn the Stand Base upside-down and connect it to the Stand.
2. Insert three screws (5\*15, For connecting Stand & Stand Base) clockwise into the three holes marked using a screwdriver as shown in the illustration.

**! CAUTION :** When you use a torque screwdriver, be careful not to put excessive force. Otherwise, it runs idle or can be damaged. (torque screwdriver- below 7 kg.f.cm)

3. Straighten a supplied speaker wire and put in the hole on the centre of Stand Base.
4. Connect the upper Speaker to the assembled Stand.
5. Insert another large screw (5\*15, For connecting Speaker & Stand) clockwise into the hole on the rear of the speaker using a screwdriver.
6. This is the appearance after the speaker is installed. Follow this steps to install other speaker.



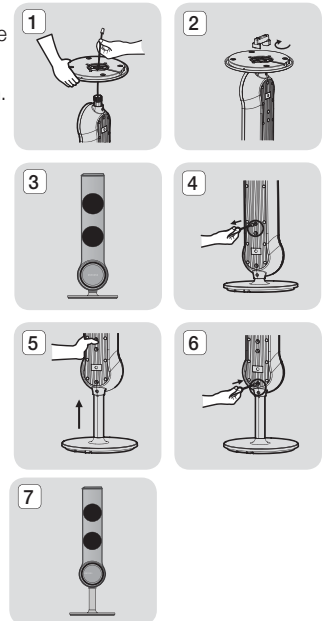
## Installing the Speakers on the Half Tallboy Stand

### \* HT-E353HK only - Front Speakers

1. Stretch out the speaker cables as shown and arrange it through the hole of the stand base .
2. When done, use the stand driver to tighten the stand nut as shown.
3. This is the appearance after the speaker is installed. Follow these steps to install another speaker.
4. If you want to adjust the height of the speaker, loosen two screws on the rear of the speaker.
5. Pull up the speaker in the arrow direction. Fit the speaker in a height adjusting hole of your choice.

**! CAUTION :** Be careful as an excessive force may result in a physical damage.

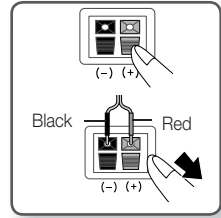
6. Insert two screws clockwise into the hole on the rear of the speaker using a screwdriver as shown and tighten back 2 screws.
7. This is after the height of the speaker is adjusted.  
You can repeat these steps above at any time if you want to readjust the height.



# Connections

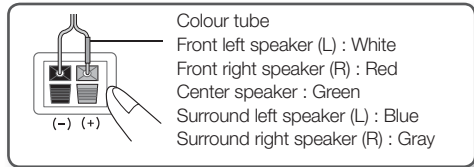
## Connecting The Speakers

1. Press down the terminal tab on the back of the speaker. (HT-E353K/355K Only)
2. Insert the black wire into the black terminal (-) and the red wire into the red terminal (+), and then release the tab. (HT-E353K/355K Only)
3. Connect the connecting plugs to the back of the product by matching the colours of the speaker plugs to the speaker jacks.

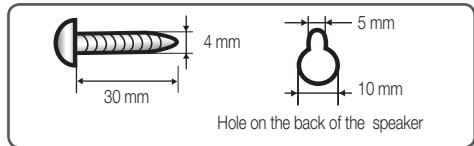


## Connecting the wall mount

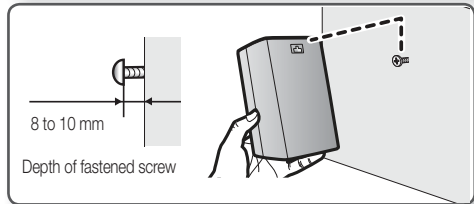
1. Connect the speaker cord with the colour tube to (+), and the speaker cord without the colour tube to (-).



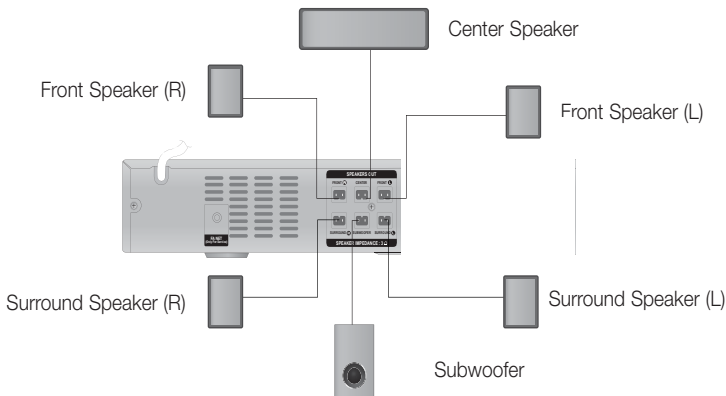
2. Prepare screws (not supplied) that are suitable for the hole on the back of each speaker. See the illustrations below.



3. Fasten the screws to the wall, then hang the speaker on the wall.



### In case of HT-E350K

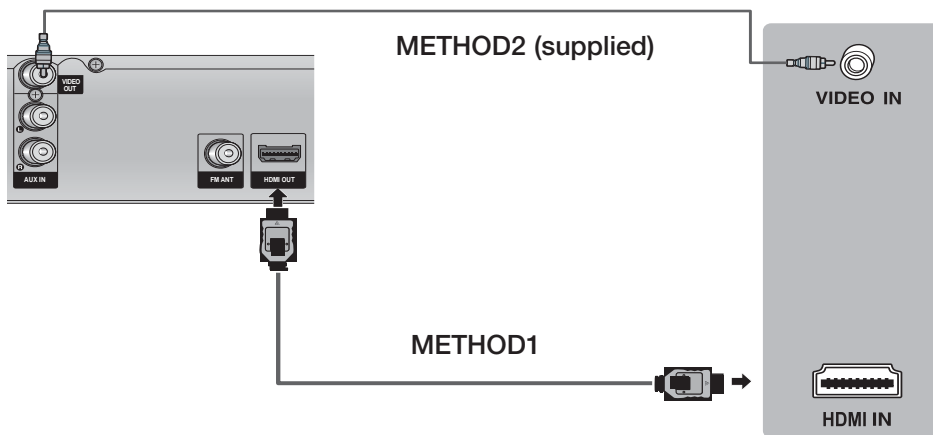


\* Refer to page 14 for the speakers of HT-E353K/E353HK/E355K.



## Connecting the Video Out to your TV

Choose one of the two methods for connecting to a TV.



### METHOD 1 : HDMI

Connect an HDMI cable (option) from the **HDMI OUT** jack on the back of the product to the HDMI IN jack on your TV.

### METHOD 2 : Composite Video

Connect the supplied Video cable from the **VIDEO OUT** jack on the back of the product to the VIDEO IN jack on your TV.

#### NOTE

- Resolutions available for the HDMI output are 576p(480p), 720p,1080i/1080p. See page 21 for the resolution setting.
- This product operates in Interlace scan mode 576i(480i) for composite output.
- After making the video connection, set the Video input source on your TV to match the corresponding Video output mode on your product.

Turn this product on first before you set the video input source on your TV. See your TV owner's manual for more information on how to select the TV's Video Input source.

#### **!** CAUTION

- Do not connect the unit through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the television.

### HDMI FUNCTION

#### HDMI Auto Detection Function

If your TV is Samsung TV and it supports CEC function. The product's video output will automatically change to HDMI mode when connecting an HDMI cable while power is on.

- HDMI (High Definition Multimedia Interface)
- HDMI is an interface that enables the digital transmission of video and audio data with just a single connector. Using HDMI, the product transmits a digital video and audio signal and displays a vivid picture on a TV having an HDMI input jack.
- HDMI connection description
  - HDMI outputs only a pure digital signal to the TV.
- If your TV does not support HDCP (High-bandwidth Digital Content Protection), random noise appears on the screen.

# Connections

## HDMI FUNCTION

### HDMI Auto Detection Function



- What is the HDCP?
- HDCP (High-band width Digital Content Protection) is a system for protecting DVD content outputted via HDMI from being copied. It provides a secure digital link between a video source (PC, DVD, etc) and a display device (TV, projector, etc). Content is encrypted at the source device to prevent unauthorized copies from being made.

### Using Anynet+(HDMI-CEC)

Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control. Anynet+ can be used by connecting this product to a SAMSUNG TV using a HDMI Cable. This is only available with SAMSUNG TV's that support Anynet+.

1. Connect the product to a Samsung TV with an HDMI cable. (See page 17)
2. Set the Anynet+ function on your TV. (See the TV instruction manual for more information.)

#### NOTE

- The Anynet+ function supports some buttons of the remote control.
- This function is not available if an HDMI cable does not support CEC.
- Depending on your TV, certain HDMI output resolutions may not work. Please refer to the user's manual of your TV.
- Please check the  logo (If your TV has an  logo, then it supports Anynet+ function.)

## Connecting Microphone

You can enjoy the feeling of a karaoke bar in the comfort of your home.

Watch the video and sing along the lyrics displayed on the TV screen against the accompaniment.

1. Connect the microphone to the MIC jack on the front of the product. You can connect up to two microphones.
2. Press the **MIC VOL** button to adjust the volume of the microphone.
3. Press the **ECHO** button to adjust the echo level of the microphone.
4. During the playback, press the **KEYCON** button, then press the **(#/b)** button.

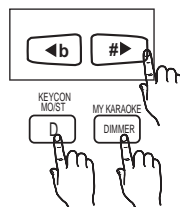
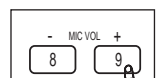
Each time the **(#)** button is pressed, the key is increased,

and each time the **(b)** button is pressed, the key is decreased.

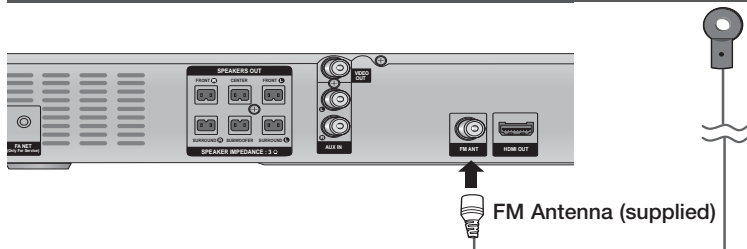
5. Press the **MY KARAOKE** button to suppress the Vocal. Each time the button is pressed, the selection is changed as follows: Maximum Reduction → Minimum reduction → Original vocals.

#### NOTE

- If you hear strange noises (squealing or howling) while using the Karaoke feature, move the microphone away from the speakers. Turning down the microphone's volume or the speaker volume is also effective.
- The microphone does not operate in the AUX and TUNER mode.
- When Speaker Selection is set to TV Speaker, The Microphone is not available.
- After setting my karaoke or the keycon, PLII/S.VOL/P.BASS/DSP(EQ)/GIGA does not work.
- MY KARAOKE function doesn't work in DIVX state. KEYCON function doesn't work in DIVX/USB/MP3/WMA state.
- After the stop operation, the setting of my karaoke and keycon will disappear.



## Connecting the FM Antenna

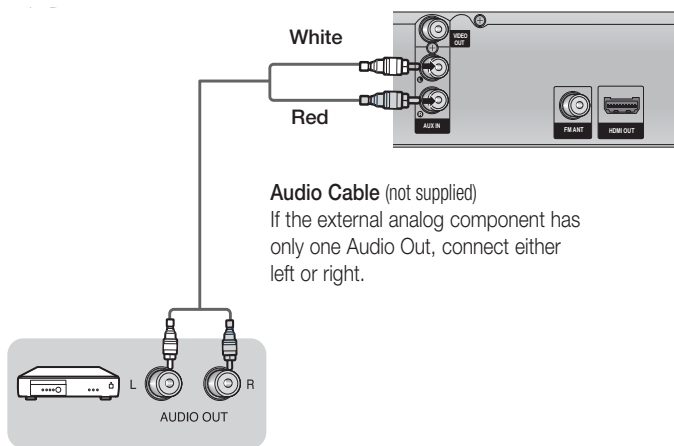


1. Connect the FM antenna supplied to the FM Antenna jack.
2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

### NOTE

- This product does not receive AM broadcasts.

## Connecting Audio from External Components



**Audio Cable** (not supplied)  
If the external analog component has only one Audio Out, connect either left or right.

VCR

## AUX : Connecting an External Analog Component

Analog signal components such as a VCR.

1. Connect **AUX IN** (Audio) on the back of the product to the Audio Out of the external Analog component.
  - Be sure to match the colors of the connecting jacks.
2. Press the **FUNCTION** button to select **AUX** input.
  - The mode switches as follows :  
**DVD/CD → ARC → AUX → USB → FM**

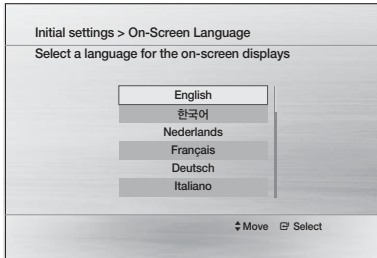
### NOTE

- You can connect the Video Output jack of your VCR to the TV, and connect the Audio Output jacks of the VCR to this product.

# Setup

## Before Starting (Initial Settings)

1. Press the **POWER** button when it is plugged in TV for the first time.  
Initial Settings screen will be displayed.



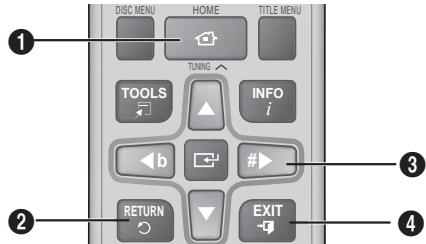
2. Press the **▲▼** buttons to select the desired language, then press the **ENTER** button.
3. Press the **▲▼** buttons to select desired TV Aspect, then press the **ENTER** button.
  - If the HDMI cable is connected to the product, TV aspect does not appear.

### **NOTE**

- If you have not selected a preferred language in the initial settings, you will see a language selection window next time you turn on the product.
- Your language selection will apply to all menus: On-Screen Menu, Disc Menu, Audio, Subtitle.
- If you want to move to the previous screen, press the **A(PREVIOUS)** or **RETURN** button.
- Once you select a menu language, you can change it by pressing the **STOP** (■) button on the remote control or the main set for more than 5 seconds in no disc state.
- When the Initial Settings screen does not appear, refer to the Initial Settings. (see page 24)

## Setting the Setup menu

The access step may differ depending on the selected menu. The GUI (Graphical User Interface) in this manual may differ, depending on the firmware version.

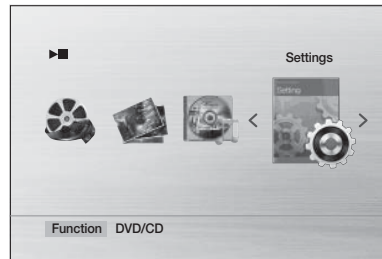


1 **HOME BUTTON** : Display the home menu.

2 **RETURN BUTTON** : Return to the previous setup menu.

**ENTER / DIRECTION BUTTON**  
3 Move the cursor and select an item.  
Select the currently selected item.  
Confirm the setting.

4 **EXIT BUTTON** : Exit the setup menu.






1. Press the **POWER** button.
2. Press the **◀▶** buttons to select **Settings**, then press the **ENTER** button.
3. Press the **▲▼** buttons to select the desired menu, then press the **ENTER** button.
4. Press the **▲▼** buttons to select the desired sub-menu, then press the **ENTER** button.
5. Press the **▲▼** buttons to select the desired item, then press the **ENTER** button.
6. Press the **EXIT** button to exit the setup menu.

## Display

You can configure various display options such as the TV Aspect, Resolution, etc.

### TV Aspect

Depending on the type of television you have, you may want to adjust the screen setting.

<ul style="list-style-type: none"> <li>• <b>4:3 Pan-Scan</b></li> </ul>	
	<p>Select when you want to see the 16:9 video supplied by the DVD without the black bars on top and bottom, even though you have a TV with a 4:3 ratio screen (extreme left and right portion of the movie picture will be cut off).</p>
<ul style="list-style-type: none"> <li>• <b>4:3 Letter Box</b></li> </ul>	
	<p>Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.</p>
<ul style="list-style-type: none"> <li>• <b>16:9 Wide</b></li> </ul>	
	<p>You can view the full 16:9 picture on your widescreen TV.</p>

#### NOTE

- When using HDMI, the screen is automatically converted to the 16:9 Wide mode and TV Aspect is deactivated.
- If a DVD is in the 4:3 ratio, you cannot view it in the wide screen.
- 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.

### BD Wise

(Samsung products only)

BD Wise is Samsung's latest inter-connectivity feature. When you connect Samsung products with BD-Wise to each other via HDMI, the optimum resolution will be set automatically.

- **On** : The original resolution of the DVD disc will be output to the TV direct.
- **Off** : The output resolution will be fixed according to the Resolution previously set, regardless of the resolution of the disc.

#### NOTE

- This will optimize the picture quality according to the content (In the DVD disc, etc) that you want to play and the product or your BD Wise-compliant Samsung TV.
- If you want to change the resolution in BD Wise mode, you must set BD wise mode to Off in advance.
- BD Wise will be disabled if the product is connected to a device that does not support BD Wise.

### Resolution

Sets the output resolution of the HDMI video signal. The number in 576p(480p), 720p, 1080i and 1080p indicates the number of lines of video.

The i and p indicate interlace and progressive scan, respectively.

- **576p(480p)** : Outputs 576(480) lines of progressive video.
- **720p** : Outputs 720 lines of progressive video.
- **1080i** : Outputs 1080 lines of interlaced video.
- **1080p** : Outputs 1080 lines of progressive video.
- **BD Wise** : Automatically sets the optimal resolution when connected via HDMI to a TV with the BD Wise feature. (The BD Wise menu item appears only if BD Wise is set to On.)

#### NOTE

- If Composite is connected, the resolution supports only 576i(480i).
- 1080P may not appear depending on TV.

### HDMI Format

You can optimize the color setting from the HDMI output. Select a connected device Type.

- **Monitor** : Select if connected to a Monitor via HDMI.
- **TV** : Select if connected to a TV via HDMI.

### Video Out Signal(option)

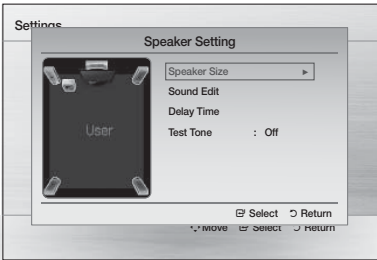
Different countries apply different TV standard. You can select from NTSC or PAL.

- **NTSC** : You can select the NTSC video format
- **PAL** : You can select the PAL video format

### Speaker Setting

#### Speaker Size

You can set the Speaker Size of the Center and Surround Speakers, as well as Test Tone in this mode.



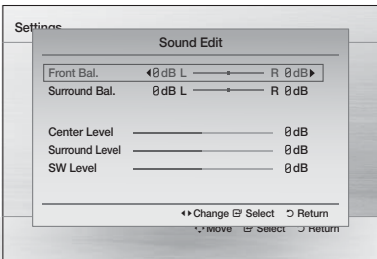
- For the Front, the mode is set to Small.
- For the Subwoofer, the mode is set to Present.
- For the Center and Surround, you can switch the mode to Small or None.
  - **Small** : Select this when using the speakers.
  - **None** : Select this when no speaker is connected.

#### NOTE

- The speaker mode may vary depending on the Dolby Pro Logic and Stereo settings.

#### Sound Edit

You can adjust the balance and level for each speaker.



Press the ▲▼ buttons to select and adjust the desired speaker.

Press the ◀▶ buttons to adjust the settings.

#### Adjusting Front/Surround Bal.

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

#### Adjusting Center/Surround/Subwoofer 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.

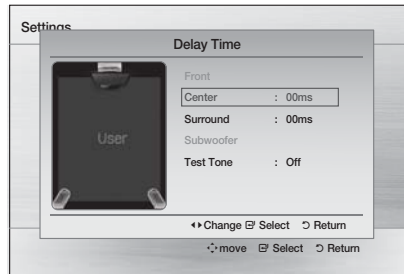
#### Delay Time

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 Surround speakers. You can also set the Test Tone in this mode.

#### Setting up the Speaker Delay Time

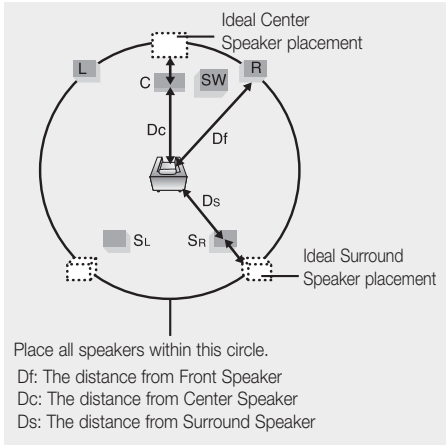
When 5.1CH Surround Sound is played, you can enjoy the best sound if the distance between you and each speaker is the same.

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 Center and Surround Speakers.



#### NOTE

- The Delay Time menu will be activated only when a 5.1 channel source is played.
- You can not set Center and Surround in this mode when their Speaker Size is set to NONE.



## Setting the Center Speaker

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

Distance between $D_f$ and $D_c$	0.00m	0.34m	0.68m	1.06m	1.40m	1.76m
Delay Time	00 ms	01 ms	02 ms	03 ms	04 ms	05 ms

## Setting the Surround Speaker

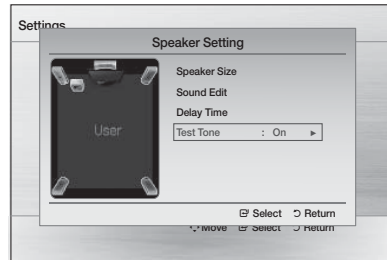
If the distance of  $D_c$  is equal to or longer than the distance of  $D_s$  in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between $D_s$ and $D_c$	0.00m	1.06m	2.11m	3.16m	3.62m	5.29m
Delay Time	00 ms	03 ms	06 ms	09 ms	12 ms	15 ms

### NOTE

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

## Test Tone



Use the Test Tone feature to check the speaker connections.

- Press the **◀▶** buttons to select **On**.
- The test tone will be sent to **Front Left → Center → Front Right → Surround Right → Surround Left → Subwoofer** in order.  
To stop the test tone, press the **ENTER** button.

## 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.

- You can select either Full, 6/8, 4/8, 2/8, off.

## AUDIO SYNC

Video and audio sync may not match with digital TV. If this occurs, adjust the audio delay time to match the video

- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

# Setup

## Speaker Selection

The audio signals transmitted over the HDMI Cable can be changed Home Theater/TV Speaker.

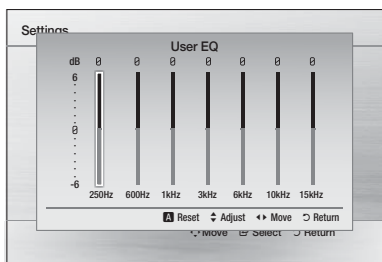
- **Home Theater** : Video is transmitted over the HDMI connection cable only, and audio is output through the product speakers only.
- **TV Speaker** : Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.

### NOTE

- The default setting of this function is Home Theater .
- HDMI Audio is automatically down-mixed to 2ch for TV speakers.
- When TV Selection is set to TV Speaker, PL II / DSP EQ/P.BASS/GIGA/S.VOL doesn't work.
- With Speaker Selection set to 'TV Speaker', the volume can be adjusted only using the TV remote control.

## User EQ

You can configure the equalizer settings manually to your preference.



## Audio Return Ch.(ARC)

You can enjoy TV sound from the Home Cinema speakers by using just one HDMI cable.

- **Off** : Turn the Audio Return Channel function off.
- **Auto** : Listen to TV sound from the Home Cinema speakers if your TV is compatible with the Audio Return Channel function.

### NOTE

- When Anynet+ (HDMI-CEC) is Off, the Audio Return Channel function is not available.
- Using an ARC (Audio Return Channel)-uncertified HDMI cable may cause a problem in compatibility.
- ARC function is only available if an ARC-compliant TV is connected.

## Karaoke Scoring

Karaoke score display can be toggled On or Off.

- **Off** : Turns off the karaoke score display.
- **On** : After the singing, the score is displayed on the screen.

### NOTE

- In USB/DIVX state, karaoke scoring does not work.

## System

## Initial Settings

By using the Initial Settings, you can set the language and TV aspect .

### NOTE

- If an HDMI cable is connected to the product, the TV aspect does not appear and it is set to 16:9 Wide automatically.

## DivX(R) Registration

View DivX(R) VOD Registration Code to purchase and play DivX(R) VOD content.

### NOTE

- This option is not activated if you select OK.To activate this option, please activate the DivX(R) Deactivation.
- Even after you reset the system, the settings of DivX Registration will not be reset.

## DivX(R) Deactivation

Select this to get a new registration code.



## Language

You can select the language you prefer for on-screen menu, disc menu, etc.

<b>OSD Language</b>	Select the language for the on-screen displays.
<b>Disc Menu</b>	Select the language for the disc menu displays.
<b>Audio</b>	Select the language for disc audio.
<b>Subtitle</b>	Select the language for disc subtitles.

- ※ To select a language that does not appear in the menu, select OTHERS in the Disc Menu, Audio and Subtitle, and enter the language code of your country (see page 36).
- ※ You cannot select OTHERS in the OSD Language menu.

### NOTE

- The selected language will only appear if it is supported on the disc.

## Security

The Parental Lock function works in conjunction with DVDs that have been assigned a rating, which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

## Parental Rating

Select the rating level you want to set.

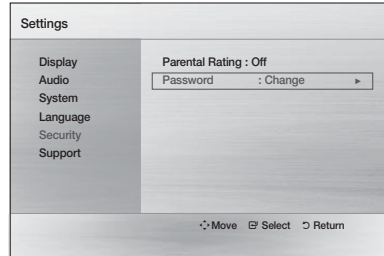
A larger number indicates that the program is intended for adult use only. For example, if you select up to Level 6, discs that contain Level 7, 8 will not play.

Enter the password and then press the **ENTER** button.

- The password is set to "0000" by default.
- Once the setup is complete, you will be taken to the previous screen.

## Change Password

Select **Change** and enter the 4-digit password to set the parental lock using the number buttons on the remote control.



## If you forgot your password

1. Remove the disc.
2. Press and hold the **STOP** (■) button on the remote control for 5 seconds or more. All settings will revert to the factory settings.

## Support

## Product Information

Provide the product information such as Model code, Software Version, etc.

# Basic Functions

## Disc Playback

1. Press the **OPEN/CLOSE** (▲) button.
2. Place a disc gently into the tray with the disc's label facing up.
3. Press the **OPEN/CLOSE** (▲) button to close the disc tray.

### NOTE

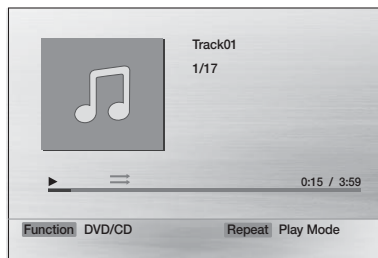
- Resume function: When you stop disc play, the product remembers where you stopped, so when you press **PLAY** button again, it will pick up where you left off. (This function works only with DVDs.)  
Press the **STOP** button twice during playback to disable the Resume function.
- If no buttons are pressed on the product or remote control for more than 3 minutes when the product is in Pause mode, it will change to STOP mode.
- The initial screen may appear different, depending on the content of the disc.
- Pirated discs will not play in this product because they violate the CSS(Content Scrambling System: a copy protection system) recommendations.

※ ⊘ will appear when an invalid button is pressed.

## TV Screen Saver/Power Saving Function

- If no button input is made for more than 5 minutes in Stop or Play (music) mode, the screen saver will get activated.
- If the product is left in the screen saver mode for more than 20 minutes, the power will automatically turn off. (Except during play a music)

## Audio CD(CD-DA)/MP3/WMA Playback



1. Insert an Audio CD(CD-DA) or an MP3 Disc into the disc tray.
  - For an Audio CD, the first track will be played automatically.
    - Press the ◀▶ buttons to move to the previous/next track.
  - For the MP3/WMA disc, press the ◀▶ buttons to select **Music**, then press the **ENTER** button.
    - Press the ▲▼◀▶ buttons to select a desired file and press the **ENTER** button.
    - Press the ◀▶ buttons to move to the previous/next pages.
2. Press the **STOP** (■) button to stop playback.

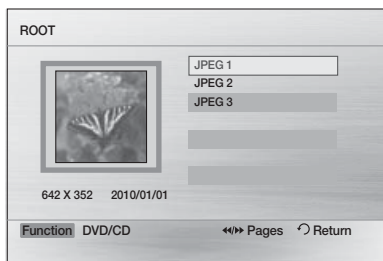
### NOTE

- Some MP3/WMA-CDs may not play, depending on the recording mode.
- Table of contents of a MP3-CD varies depending on the MP3/WMA track format recorded on the disc.
- WMA-DRM files cannot be played.
- When MP3/WMA/CD playing, number key doesn't work.

## JPEG File Playback

Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this product.

1. Insert a JPEG disc on the disc tray.
2. Press the ◀▶ buttons to select **Photo**, and then press the **ENTER** button.
3. Press the ▲▼ buttons to select the folder you want to play, and then press the **ENTER** button.
4. Press the ▲▼ buttons to select the photo you want to play, and then press the **ENTER** button.
  - The selected file will play and slide show will start.
  - To stop slide show, press the **PAUSE (II)** button.
  - You can view the previous/next file by pressing the ◀, ▶ buttons during the slideshow mode.



## Rotate Function



Press the **GREEN(B)** or **YELLOW(C)** button during the **PAUSE** mode.

- **GREEN(B)** Button: Rotate 90° counterclockwise.
- **YELLOW(C)** Button: Rotate 90° clockwise.

### NOTE

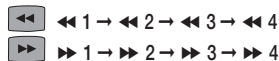
- The maximum resolutions supported by this product are 5120 x 3480 (or 19.0 MPixel) for standard JPEG files and 2048 x 1536 (or 3.0 MPixel) for progressive image files.

## Using the Playback Function

### Forward/Reverse Search



Press the ◀▶ buttons for Search Function.



### NOTE

- No sound is played in search mode.
- The playback search produces sound only when searching at ▶▶ 1 and ▶▶ 2 speed.
- This function is available only for the CD-DA.

### Skipping Scenes/Songs



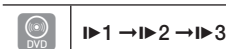
Press the ◀▶▶▶ buttons.

- Each time the button is pressed during playback, the previous or next chapter, track or directory (file) will be played.
- You cannot skip chapters consecutively.

### Slow Motion Play



Press the **PAUSE (II)** button and then ▶▶ button for Slow Motion play.



### NOTE

- No sound is heard during slow playback.
- Reverse slow playback does not work.

# Basic Functions

## Step Motion Play



Press the **PAUSE** button repeatedly.

- The picture moves forward one frame each time the button is pressed during playback.

### NOTE

- No sound is heard during step motion playback.

## 5 Minute Skip function



During playback, press the ◀▶ button.

- Playback skips 5 minutes forward whenever you press the ▶ button.
- Playback skips 5 minutes backward whenever you press the ◀ button.

### NOTE

- This function is available only for the DivX that contains time information.

## Using the Disc Menu



You can view the menus for the audio language, subtitle language, profile, etc.

1. During playback, press the **DISC MENU** button on the remote control.
2. Press the ▲▼◀▶ buttons to make the desired selection, then press the **ENTER** button.



### NOTE

- Depending on the disc, menu setup items may vary and this menu may not be available.

## Using the Title Menu



For DVDs containing multiple titles, you can view the title of each movie.

1. During playback, press the **TITLE MENU** button on the remote control.
2. Press the ▲▼◀▶ buttons to make the desired selection, then press the **ENTER** button.



### NOTE

- Depending on the disc, menu setup items may vary and this menu may not be available.

## Repeat Playback



### DVD/DivX Repeat

You can repeat the title, chapter or the section(A-B Repeat) of the DVD/DivX.



1. During DVD/DivX playback, press the **REPEAT** button on the remote control.
2. Press the ▲▼ buttons to select a desired repeat mode, then press the **ENTER** button.
3. Press the ▲▼ buttons to select **OFF** to return to normal play, then press the **ENTER** button.














Title → Chapter → A - → Off



Title → Folder → All → Off

## CD/MP3 Repeat

- During the CD/ MP3 playback, press the **REPEAT** button repeatedly to select the repeat mode you want.

	 →  →  →  <p>(Repeat Off → Repeat Track → Repeat All → Random → Repeat Section A-B)</p>
	 →  →  →  →  <p>(Repeat Off → Repeat Track → Repeat Dir (Directory) → Repeat All → Random)</p>

## A-B Repeat Playback



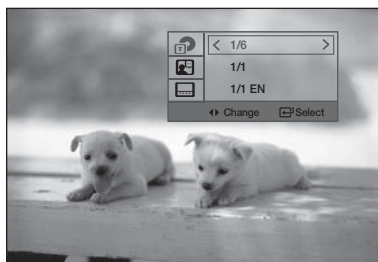
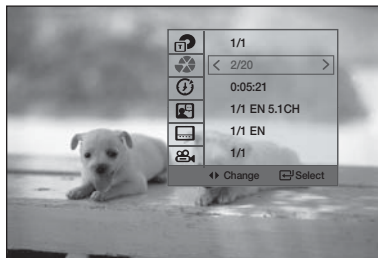
You can repeatedly play back a designated section of a DVD or CD.

- During the DVD disc or CD playback, press the **REPEAT** button on the remote control.
- For DVD, press the **▲▼** buttons to select **A-**. For CD press the **REPEAT** button repeatedly until **A-B** appears.
- Press the **ENTER** button at the point where you want repeat play to start (A).
- Press the **ENTER** button at the point where you want repeat play to stop (B).
- To return to normal playback,  
For DVD, press the **REPEAT** button ,then press the **▲▼** buttons to select to OFF. For CD, press the **REPEAT** button to select to **⇒**.

### NOTE

- The A-B Repeat function does not operate with DivX, MP3 or JPEG discs.
- Repeat function is not available during CD/DVD disc is played if karaoke scoring is set to on.

## Displaying Disc Information



- During playback, press the **TOOLS** button on the remote control.
- Press the **▲▼** buttons to select the desired item.
- Press the **◀▶** buttons to make the desired setup change and then press the **ENTER** button.  
- You may use the number buttons of the remote control to control some items.
- To make Disc information disappear, press the **TOOLS** button again.



### NOTE

- If you are playing contents from the tools menu, some functions may not be enabled depending on the disc.
- You can also select Dolby Digital or Pro Logic, depending on the disc.
- Some tools menus may differ depending on discs and files.

# Basic Functions

## TOOLS menu

- **Title** (📄) : To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified as a Title.
- **Chapter** (📖) : Most DVD discs are recorded in chapters so that you can quickly find a specific chapter.
- **Playing time** (🕒) : Allows playback of the film from a desired time. You must enter the starting time as a reference. The time search function does not operate on some discs.
- **Audio** (🔊) : Refers to the film's soundtrack language. A DVD Disc can contain up to 8 audio languages.
- **Subtitle** (📄) : Refers to the subtitle languages available in the disc. You will be able to choose the subtitle languages or, if you prefer, turn them off from the screen. A DVD Disc can contain up to 32 subtitle languages.
- **Angle** (👁️) : When a DVD contains multiple angles of a particular scene, you can use the Angle function.

3. Press the ◀▶ buttons to select the desired subtitle language.
  - Depending on the languages on a DVD disc, a different subtitle language is selected each time the button is pressed.

### NOTE

- Depending on the disc, the Subtitle and Audio Language functions may not be available.

## Caption Function



- You must have some experience with video extraction and editing in order to use this feature properly.
- To use the caption function, save the caption file (\*.smi) in the same file name as that of the DivX media file (\*.avi) within the same folder.  
Example. Root Samsung\_007CD1.avi  
Samsung\_007CD1.smi
- Up to 100 alphanumeric characters or 50 East Asian characters (2 byte characters such as Korean and Chinese) for the file name.
- The subtitle of DivX files are \*.smi, \*.sub, \*.srt over 148 kbyte is not supported.

## Selecting the Audio Language



1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select **AUDIO** (🔊) display.
3. Press the ◀▶ buttons to select the desired audio language.
  - Depending on the of languages on a DVD disc, a different audio language is selected each time the button is pressed.

## Angle Function



This function allows you to view the same scene in different angles.

1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select **ANGLE** (👁️) display.
3. Press the ◀▶ buttons to select the desired angle.

### NOTE

- The Angle function works only with discs on which multiple angles have been recorded.

## Selecting the Subtitle Language



1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select **SUBTITLE** (📄) display.

## DIMMER

You can adjust the brightness of the display on the main unit.

Press the **DIMMER** button.

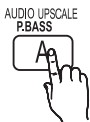


### Sound Mode

## P.BASS

The P.BASS function provides a bass boost to reinforce the low frequencies.

The MP3 ENHANCE function provides better sound quality by upscaling the sampling frequency.



Press the **P.BASS** button.

2 Channel LPCM source	POWER BASS ON → POWER BASS OFF
MP3 file	MP3 ENHANCE ON → POWER BASS ON → POWER BASS OFF

### NOTE

- The P.BASS function is only available with 2 channel LPCM sources such as MP3, DivX, CD and WMA.
- The MP3 Enhancement function is only available MP3 file.

## GIGA

The GIGA Sound Function amplifies bass and improves bass twice as much for you to appreciate powerful real sound. The GIGA Sound feature will be applied only to the subwoofer.

Press the **GIGA** button.



### NOTE

- The GIGA Sound works when in 2-channel LPCM mode only.
- GIGA doesn't work when connecting the microphone to the MIC jack.

## S/W LEVEL

You can also press the **S/W LEVEL** button on the remote control and use the ◀ or ▶ buttons to adjust the level of subwoofer.

Press the **S/W LEVEL** button.



## S.VOL (SMART VOLUME)

This will regulate and stabilize the volume level against a drastic volume change when changing channels or during a scene transition.

Press the **S.VOL** button.

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

**SMART VOLUME ON → SMART VOLUME OFF**



# Basic Functions

## DSP (Digital Signal Processor)/EQ

- DSP (Digital Signal Processor) : DSP modes have been designed to simulate different acoustic environments.
- EQ : You can select POPS, JAZZ , ROCK, or USER to optimize the sound for the genre of music you are playing.

Press the **DSP/EQ** button.



<b>POPS, JAZZ, ROCK</b>	Select POPS, JAZZ, or ROCK, depending on the genre of music you're listening to.
<b>USER</b>	You can enjoy music as you set in "EQ:USER". If you press ENTER in the "EQ:USER" menu, you will see a window where you can change the EQ settings to your preference.
<b>STUDIO</b>	Provides a sense of presence as if in a studio.
<b>CLUB</b>	Simulates the sound of a dance club with a throbbing bass beat.
<b>HALL</b>	Provides a clear vocal as if listening in a concert hall.
<b>MOVIE</b>	Provides the feeling of a movie cinema.
<b>CHURCH</b>	Provides the feeling of being in a grand church.
<b>OFF</b>	Select this for normal listening.

### NOTE

- The DSP/EQ function is only available in Stereo mode.
- The DSP/EQ function is not available while playing AC3 signal in 2.1 channel mode.
- Some regional EQs are special, such as India, Africa, and so on. Please refer to the display of actual product to operate.

## Dolby Pro Logic II Mode

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

Press the **PL II** button.



<b>MUSIC</b>	When listening to music, you can experience sound effects as if you are listening to the actual performance.
<b>MOVIE</b>	Adds realism to the movie soundtrack.
<b>PROLOG</b>	You can listen to a 2CH sound source in 5.1CH surround sound with all speakers active. - A specific speaker(s) may not be output depending on the input signal.
<b>MATRIX</b>	You will hear multi-channel surround sound.
<b>STEREO</b>	Select this to listen to sound from the front left and right speakers and the subwoofer only.

### NOTE

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



## Listening to Radio

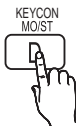
### Using buttons on the Remote Control

1. Press the **FUNCTION** button to select **FM**.
2. Tune in to the desired station.
  - **Preset Tuning 1** : You must first add a desired frequency as a preset. Press the **STOP** (■) button to select **PRESET** and then press the **TUNING/CH** (^v) button to select the preset station.
  - **Manual Tuning** : Press the **STOP** (■) button to select **MANUAL** and then press the **TUNING/CH** (^v) button to tune in to a lower or higher frequency.
  - **Automatic Tuning** : Press the **STOP** (■) button to select **MANUAL** and then press and hold the **TUNING/CH** (^v) button to automatically search the band.
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.

### Setting Mono/Stereo

Press the **MO/ST** button.

- 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 **FUNCTION** button to select **FM**.
2. Press the **TUNING/CH** (^v) button to select <89.10>.
3. Press the **TUNER MEMORY** button.
  - Number flashes on the display.
4. Press the **TUNING/CH** (^v) buttons to select preset number.
  - You can select between 1 and 15 presets.

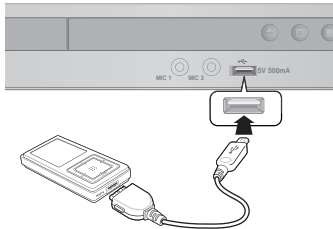


# Advanced Functions

## USB Function

### 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 sound by connecting the storage device to the USB port of the product.



1. Connect the USB device to the USB port on the front panel of the product.
2. Press the **FUNCTION** button to select USB.
  - **USB** appears on the display screen and then disappears.
3. Press the **◀▶** buttons to select **Videos**, **Photos** or **Music**.
  - Select a file to play.

### Safe USB Removal

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

- Press the **YELLOW(C)** button.
  - **REMOVE** will appear on the display.
- Remove the USB cable.

### NOTE

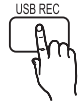
- To listen to your music files with 5.1 channel sound, you must set the Dolby Pro Logic II mode to Matrix. (See page 32)
- Remove the USB cable from the USB port slowly. Otherwise, it may cause damage to the USB port.

## USB Recording

While playing CD-DA (Compact Disc Digital Audio) using the USB Recording function or listening to the FM radio or receiving audio source from an external device, you can record the audio source in the USB memory.

### Ex) USB recording of CD-DA audio contents

1. Connect the USB device to your product.
2. Insert the CD-DA disc into the CD tray.
3. Press the **USB REC** button on the remote control.
  - To start recording the current track, press the **USB REC** button on the remote control while the system is playing a track or stopped temporarily.
  - To record the entire CD, press and hold the **USB REC** button on the remote control.
    - "**FULL RECORDING**" appears on the display and recording starts.
4. Press the **STOP** (■) button to stop recording.
  - When USB recording of a CD is completed, you will find a new folder named "**RECORDING**" in the USB drive. The contents will be saved in the folder in the MP3 format.
  - When USB recording of FM radio or AUX source is completed, you will find a new folder named "**TUNER RECORDING** or **AUX RECORDING**" in the USB drive. The contents will be saved in the folder in the MP3 format.




### NOTE

- Do not disconnect the USB connection or the power cable during the USB Recording. Otherwise, it may cause damage to the data.
  - To stop USB Recording, press the **STOP** button and disconnect the USB device after the system stops playing the CD completely.
- If you disconnect the USB connection during the USB Recording, the system will turn off and you will not be able to delete the recorded file.
- If you connect the USB device to the system while it is playing a CD, the system stops temporarily and will play again.
- If the recording duration is less than 5 seconds, a recording file may not be created.
- USB Recording works only if the USB device is formatted in the FAT file system. (The NTFS file system is not supported.)
- The audio signal will not be output during USB recording of the CD in no MIC connecting state. Otherwise, The audio signal will be output during USB recording of the CD in MIC connecting state.
- When Speaker selection is set to TV Speaker, the USB Recording function is not supported.
- Disconnect the microphone to the set during recording, recording will be stopped.
- The set will be started X3 recording when the Microphone doesn't connect to the set.
- Any button except Stop /Volume/Mute/ Mic Volume/Echo button doesn't work during USB recording.

## Troubleshooting

Refer to the chart below when this product 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 product, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Centre.

Symptom	Check/Remedy
I cannot eject the disc.	<ul style="list-style-type: none"> <li>• Is the power cord plugged securely into the outlet?</li> <li>• Turn off the power and then turn it back on.</li> </ul>
Playback does not start.	<ul style="list-style-type: none"> <li>• Check the region number of the DVD. DVD discs purchased from abroad may not be playable.</li> <li>• CD-ROMs and DVD-ROMs cannot be played on this product.</li> <li>• Make sure that the rating level is correct.</li> </ul>
Playback does not start immediately when the Play/Pause button is pressed.	<ul style="list-style-type: none"> <li>• Are you using a deformed disc or a disc with scratches on the surface?</li> <li>• Wipe the disc clean.</li> </ul>
Sound is not produced.	<ul style="list-style-type: none"> <li>• No sound is heard during fast playback, slow playback, and step motion playback.</li> <li>• Are the speakers connected properly? Is the speaker setup correctly customized?</li> <li>• Is the disc severely damaged?</li> </ul>
Sound can be heard only from a few speakers and not all 6.	<ul style="list-style-type: none"> <li>• On certain DVD discs, sound is output from the front speakers only.</li> <li>• Check if the speakers are connected properly.</li> <li>• Adjust the volume.</li> <li>• When listening to a CD, radio or TV, sound is output to the front speakers only. Select "PROLOG" by pressing  PL II (Dolby Pro Logic II) on the remote control to use all six speakers.</li> </ul>
Dolby Digital 5.1 CH Surround Sound is not produced.	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Is the audio language correctly set to Dolby Digital 5.1-CH in the information display?</li> </ul>
The remote control does not work.	<ul style="list-style-type: none"> <li>• Is the remote control being operated within its operation range of angle and distance?</li> <li>• Are the batteries drained?</li> <li>• Have you selected the correct mode (RECEIVER DVD/TV)?</li> </ul>
<ul style="list-style-type: none"> <li>• Disc is rotating but no picture is produced.</li> <li>• Picture quality is poor and picture is shaking.</li> </ul>	<ul style="list-style-type: none"> <li>• Is the TV power on?</li> <li>• Are the video cables connected properly?</li> <li>• Is the disc dirty or damaged?</li> <li>• A poorly manufactured disc may not be playable.</li> </ul>
Audio language and subtitles do not work.	<ul style="list-style-type: none"> <li>• Audio language and subtitles will not work if the disc does not contain them.</li> </ul>
The Disc/Title menu screen does not appear even when the Disc/Title function is selected.	<ul style="list-style-type: none"> <li>• Are you using a disc that does not contain menus?</li> </ul>
Aspect ratio cannot be changed.	<ul style="list-style-type: none"> <li>• 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.</li> </ul>

# Other Information

Symptom	Check/Remedy
<ul style="list-style-type: none"> <li>• The product is not working. (Example: The power goes out or the front panel key doesn't work or a strange noise is heard.)</li> <li>• The product is not working normally.</li> </ul>	<ul style="list-style-type: none"> <li>• Press and hold the <b>STOP</b> (■) button on the remote control for longer than 5 seconds with no disc (reset function).</li> </ul> <p><b>Using the RESET function will erase all stored settings. Do not use this unless necessary.</b></p>
The rating level password has been forgotten.	<ul style="list-style-type: none"> <li>• While "NO DISC" message appears on the display of the product, press and hold the remote control's <b>STOP</b> (■) button for longer than 5 seconds. "INIT" appears on the display and all settings will return to the default values. And then press the <b>POWER</b> button.</li> </ul> <p><b>Using the RESET function will erase all stored settings. Do not use this unless necessary.</b></p>
Can't receive radio broadcast.	<ul style="list-style-type: none"> <li>• Is the antenna connected properly?</li> <li>• If the antenna's input signal is weak, install an external FM antenna in an area with good reception.</li> </ul>

## Language code list

Enter the appropriate code number for OTHERS in the Disc Menu, Audio and Subtitle. (See page 25).

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

## Specifications

General	Weight	2.04 Kg
	Dimensions	430 (W) x 61 (H) x 230 (D) mm
	Operating Temperature Range	+5°C~+35°C
	Operating Humidity Range	10 % to 75 %
FM Tuner	Signal/noise ratio	60 dB
	Usable sensitivity	10 dB
	Total harmonic distortion	1%
Disc	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
	CD : 12 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min.
	CD : 8cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 20 min.
Video Output	Composite Video	576i(480i) 1 channel : 1.0 Vp-p (75 Ω load)
Video/Audio	HDMI	1080p, 1080i, 720p, 576p(480p)
Amplifier	Front speaker output	35W x 2(3Ω)
	Center speaker output	95W(3Ω)
	Surround speaker output	35W x 2(3Ω)
	Subwoofer output	95W(3Ω)
	Frequency range	20Hz~20KHz
	S/N Ratio	65dB
	Channel separation	60dB
	Input sensitivity	(AUX)800mV

\*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.
- Design and specifications are subject to change without prior notice.
- For the power supply and Power Consumption, refer to the label attached to the product.

## HT-E350K

	Speaker system	5.1ch speaker system			
		Front	Surround	Centre	Subwoofer
Speaker	Impedance	3 Ω	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	140Hz~20KHz	20Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M	88dB/W/M
	Rated input	35W	35W	95W	95W
	Maximum input	70W	70W	190W	190W
	Dimensions (W x H x D)	Front : 77 x 107 x 68 mm Surround : 77 x 107 x 68 mm Center : 228 x 77 x 70 mm Subwoofer : 154 x 299 x 285 mm			
	Weights	Front : 0.3 Kg, Center : 0.46 Kg Surround : 0.32 Kg, Subwoofer : 2.89 Kg			

# Other Information

## HT-E353K

Speaker	Speaker system	5.1ch speaker system			
		Front	Surround	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	140Hz~20KHz	20Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M	88dB/W/M
	Rated input	35W	35W	95W	95W
	Maximum input	70W	70W	190W	190W
	Dimensions (W x H x D)	Front : 89 x 1053 x 71 mm (stand base : 229 x 229) Surround:77 x 107 x 68 mm Center : 228 x 77 x 70 mm Subwoofer : 154 x 299 x 285 mm			
	Weights	Front: 2.88 Kg, Surround :0.32 Kg Centre : 0.46 Kg Subwoofer : 2.89 Kg			

## HT-E353HK

Speaker	Speaker system	5.1ch speaker system			
		Front	Surround	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	140Hz~20KHz	20Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M	88dB/W/M
	Rated input	35W	35W	95W	95W
	Maximum input	70W	70W	190W	190W
	Dimensions (W x H x D)	Front : 120 x 486 x 73 mm (stand base : 210 x 210) Surround : 77 x 107 x 68 mm Center : 228 x 77 x 70 mm Subwoofer : 154 x 299 x 285 mm			
	Weights	Front : 1.5 Kg, Center : 0.46 Kg Surround : 0.32 Kg, Subwoofer : 2.89 Kg			

## HT-E355K

Speaker	Speaker system	5.1ch speaker system			
		Front	Surround	Center	Subwoofer
	Impedance	3 Ω	3 Ω	3 Ω	3 Ω
	Frequency range	140Hz~20KHz	140Hz~20KHz	140Hz~20KHz	20Hz~160Hz
	Output sound pressure level	86dB/W/M	86dB/W/M	86dB/W/M	88dB/W/M
	Rated input	35W	35W	95W	95W
	Maximum input	70W	70W	190W	190W
	Dimensions (W x H x D)	Front/Surround : 89 x 1053 x 71 mm (stand base : 229 x 229) Center : 228 x 77 x 70 mm Subwoofer : 154 x 299 x 285 mm			
	Weights	Front/Surround : 2.88 Kg, Center : 0.46 Kg Subwoofer : 2.89 Kg			

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This package is an SSL implementation written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

The implementation was written so as to conform with Netscapes SSL.

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