

HT-C720
HT-C729

Digital Home Cinema System user manual

Imagine the possibilities



Thank you for purchasing this Samsung product.
To receive more complete service,
please register your product at
www.samsung.com/register



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.

| | | |
|---|--|---|
|  | CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN |  |
| This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury. | CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT. | This symbol indicates important instructions accompanying the product. |

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 a 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.


Wiring the Main Power Supply Plug (UK Only)

IMPORTANT NOTICE

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and if it requires replacing, a fuse approved to BS1362 of the same rating must be used. Never use the plug with the fuse cover removed. If the cover is detachable and a replacement is required, it must be of the same colour as the fuse fitted in the plug. Replacement covers are available from your dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance. However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord. Never attempt to insert bare wires directly into a mains socket. A plug and fuse must be used at all times.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:– BLUE = NEUTRAL BROWN = LIVE As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:–The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING : DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH LETTER E OR BY THE EARTH SYMBOL , OR COLOURED GREEN OR GREEN AND YELLOW.

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



FM Antenna



User's Manual



Remote Control/Batteries (AAA size)



iPod Dock



Toroidal Ferrite Core

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

- **ABOUT DIVX VIDEO:** DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.
- **ABOUT DIVX VIDEO-ON-DEMAND:** This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD.
- DivX Certified® to play DivX © video
- **iPod is a trademark of Apple Inc., registered in the U.S. and other countries.**
- **iPhone is a trademark of Apple Inc.**
- Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.
- "Pat. 7,295,673; 7,460,688; 7,519,274"



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.
- "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."

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ENGLISH

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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 that can be played

| Disc Types & Mark (Logo) | Recorded Signals | Disc Size | Max. Playing Time |
|--|---------------------|-----------|------------------------------------|
|  DVD-VIDEO | AUDIO + VIDEO | 12 cm | Approx. 240 min. (single-sided) |
| | | | Approx. 480 min. (double-sided) |
| | | 8 cm | Approx. 80 min. (single-sided) |
| | | | Approx. 160 min. (double-sided) |
|  AUDIO-CD | AUDIO | 12 cm | 74 min. |
| | | 8 cm | 20 min. |
|  DivX | AUDIO + VIDEO | 12 cm | — |
| | | 8 cm | — |

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.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/ decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- 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

- Only files with the ".jpg" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- 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.

- 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.

DivX (Digital internet video express)

DivX is a video file format developed by Microsoft and is based on MPEG4 compression technology to provide audio and video data over the Internet in real-time.

MPEG4 is used for video encoding and MP3 for audio encoding, enabling to watch a movie at near DVD-quality video and audio.

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~DivX5.1, XviD |
| 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 |
| DTS | 1.5Mbps | 44.1kHz |

- DivX files, including audio and video files, created in the DTS format can only support up to 6Mbps.
- Aspect Ratio : Although the default DivX resolution is 640x480 pixels, this product supports up to 720x480 pixels. TV screen resolutions higher than 800 will not be supported.

Getting Started

Notes on USB connection

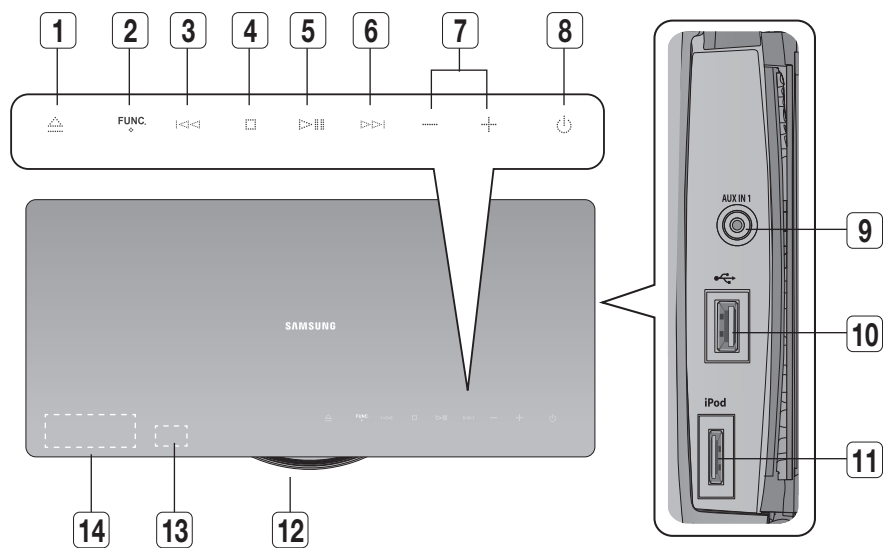
Supported devices: USB storage media, MP3 player, digital camera, USB card reader

- 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 148KB may not be properly displayed.
- 3) A certain USB/digital camera device, USB card reader may not be compatible with the product.
- 4) FAT16 and FAT32 file systems are supported.
 - NTFS file system is not 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) Supported file formats

| Format | Still Picture | Music | | Movie | |
|--------------------|---------------|-------------|----------------|-----------------|-------------------------------|
| | | File name | File extension | Bit rate | Version |
| 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~ DivX5.1, XviD |
| Pixel | 640x480 | - | - | 720x480 | |
| Sampling Frequency | - | 44.1kHz | 44.1kHz | 44.1KHz~ 48KHz | |

Description

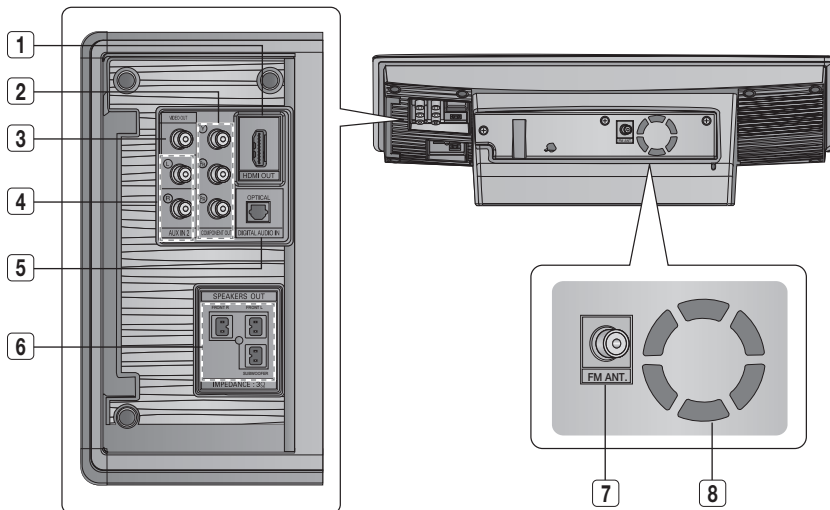
Front Panel



| | | |
|-----------|--|---|
| 1 | EJECT BUTTON (▲) | Ejects a disc. |
| 2 | FUNCTION BUTTON (FUNC.) | The mode switches as follows : DVD/CD → D.IN → AUX 1 → AUX 2 → USB → IPOD → FM. |
| 3 | TUNING DOWN & SKIP BUTTON (⏮) | Goes back to the previous title/chapter/track. Tunes down the FM frequency band. |
| 4 | STOP BUTTON (■) | Stops disc playback. |
| 5 | PLAY/PAUSE BUTTON (▶) | Plays a disc or pauses playback. |
| 6 | TUNING UP & SKIP BUTTON (⏭) | Goes to the next title/chapter/track. Tunes up the FM frequency band. |
| 7 | VOLUME CONTROL BUTTON (—, +) | Volume adjustment. |
| 8 | POWER BUTTON (⏻) | Turns the product on and off. |
| 9 | AUX IN 1 JACK | Connect external components such as an MP3 player. |
| 10 | USB PORT | Connect here and play files from external USB storage devices such as MP3 players, USB flash memory, etc. |
| 11 | iPod JACK | Connect the iPod dock connector here. |
| 12 | DISC SLOT | Insert disc here. |
| 13 | REMOTE CONTROL SENSOR | Detects signals from the remote control. |
| 14 | DISPLAY | Displays the playing status, time, etc. |

Getting Started

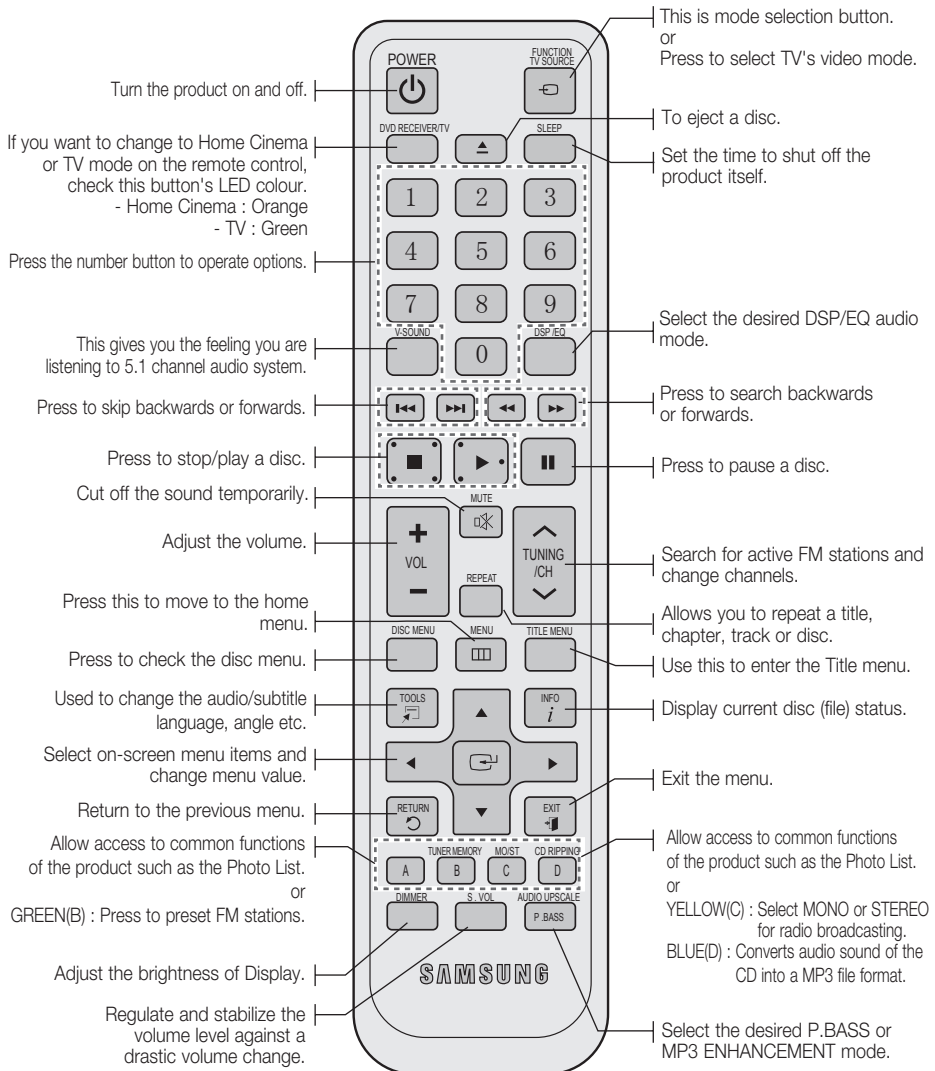
Rear Panel



| | | |
|----------|--|--|
| 1 | HDMI OUT JACK | Using an HDMI cable, connect this HDMI output jack to the HDMI input jack on your TV for the best quality picture. |
| 2 | COMPONENT VIDEO OUTPUT JACKS | Connect a TV with Component video inputs to these jacks. |
| 3 | VIDEO OUT JACK | Connect your TV's Video Input jack (VIDEO IN) to the VIDEO OUT jack. |
| 4 | AUX IN 2 JACKS | Connect to the 2CH Analogue output of an external device (such as a VCR). |
| 5 | EXTERNAL DIGITAL OPTICAL IN JACK (DIGITAL AUDIO IN) | Use this to connect external equipment capable of digital output. |
| 6 | 2.1 CHANNEL SPEAKER OUTPUT CONNECTORS | Connect the front, subwoofer speakers. |
| 7 | FM ANTENNA JACK | Connect the FM antenna. |
| 8 | COOLING FAN | The fan always revolves when the power is on. Ensure a minimum of 10cm of clear space on all sides of the fan when installing the product. |

Remote control

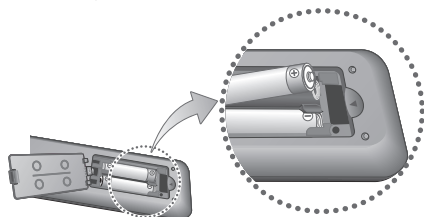
Tour of the Remote Control



Getting Started

Installing batteries in the Remote Control

* Battery size: AAA



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 7 meters in a straight line.

Setting the Remote Control

You can control certain functions of your TV with this remote control.

When operating a TV with the remote control

1. Press the **DVD RECEIVER/TV** button to set the remote control to TV mode.
2. Press the **POWER** button to turn on the TV.
3. While holding down the **POWER** button, enter the code corresponding to your brand of TV.
 - If there is more than one code listed for your TV in the table, enter one at a time to determine which code works.
 - **Example : For a Samsung TV**
While holding down the **POWER** button, use the number buttons to enter 00, 15, 16, 17 and 40.
4. If the TV turns off, the setting is complete.
 - You can use the TV **POWER**, **VOLUME**, **CHANNEL**, and **Numeric** buttons (0~9).

NOTE

- The remote control may not work or some operations may not be possible with some brands of TVs.
- The remote control will work on a Samsung TV by default.

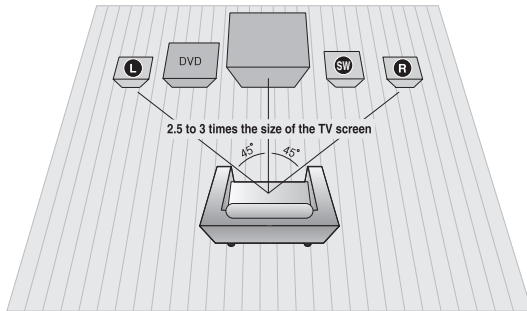
TV Brand Code List

| Brand | Code | Brand | Code |
|-------------------------|--|--------------------------|--|
| Admiral (M.Wards) | 56, 57, 58 | MTC | 18 |
| A Mark | 01, 15 | NEC | 18, 19, 20, 40, 59, 60 |
| Anam | 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14 | Nikei | 03 |
| AOC | 01, 18, 40, 48 | Onking | 03 |
| Bell & Howell (M.Wards) | 57, 58, 81 | Onwa | 03 |
| Broscasonic | 59, 60 | Panasonic | 06, 07, 08, 09, 54, 66, 67, 73, 74 |
| Candle | 18 | Penney | 18 |
| Cetronic | 03 | Philco | 03, 15, 17, 18, 48, 54, 59, 62, 69, 90 |
| Citizen | 03, 18, 25 | Philips | 15, 17, 18, 40, 48, 54, 62, 72 |
| Cinema | 97 | Pioneer | 63, 66, 80, 91 |
| Classic | 03 | Portland | 15, 18, 59 |
| Concerto | 18 | Proton | 40 |
| Contec | 46 | Quasar | 06, 66, 67 |
| Coronado | 15 | Radio Shack | 17, 48, 56, 60, 61, 75 |
| Craig | 03, 05, 61, 82, 83, 84 | RCA/Proscan | 18, 59, 67, 76, 77, 78, 92, 93, 94 |
| Croslex | 62 | Realistic | 03, 19 |
| Crown | 03 | Sampo | 40 |
| Curtis Mates | 59, 61, 63 | Samsung | 00, 15, 16, 17, 40, 43, 46, 47, 48, 49 |
| CXC | 03 | Sanyo | 19, 61, 65 |
| Daewoo | 02, 03, 04, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36, 48, 59, 90 | Scott | 03, 40, 60, 61 |
| Daytron | 40 | Sears | 15, 18, 19 |
| Dynasty | 03 | Sharp | 15, 57, 64 |
| Emerson | 03, 15, 40, 46, 59, 61, 64, 82, 83, 84, 85 | Signature 2000 (M.Wards) | 57, 58 |
| Fisher | 19, 65 | Sony | 50, 51, 52, 53, 55 |
| Funai | 03 | Soundesign | 03, 40 |
| Futuretech | 03 | Spectricon | 01 |
| General Electric (GE) | 06, 40, 56, 59, 66, 67, 68 | SSS | 18 |
| Hall Mark | 40 | Sylvania | 18, 40, 48, 54, 59, 60, 62 |
| Hitachi | 15, 18, 50, 59, 69 | Symphonic | 61, 95, 96 |
| Inkel | 45 | Tatung | 06 |
| JC Penny | 56, 59, 67, 86 | Techwood | 18 |
| JVC | 70 | Teknika | 03, 15, 18, 25 |
| KTV | 59, 61, 87, 88 | TMK | 18, 40 |
| KEC | 03, 15, 40 | Toshiba | 19, 57, 63, 71 |
| KMC | 15 | Vidtech | 18 |
| LG (Goldstar) | 01, 15, 16, 17, 37, 38, 39, 40, 41, 42, 43, 44 | Vidtech | 59, 60, 69 |
| Luxman | 18 | Wards | 15, 17, 18, 40, 48, 54, 60, 64 |
| LXI (Sears) | 19, 54, 56, 59, 60, 62, 63, 65, 71 | Yamaha | 18 |
| Magnavox | 15, 17, 18, 48, 54, 59, 60, 62, 72, 89 | York | 40 |
| Marantz | 40, 54 | Yupiteru | 03 |
| Matsui | 54 | Zenith | 58, 79 |
| MGA | 18, 40 | Zonda | 01 |
| Mitsubishi/MGA | 18, 40, 59, 60, 75 | Dongyang | 03, 54 |

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

Front Speakers **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.

Subwoofer **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).

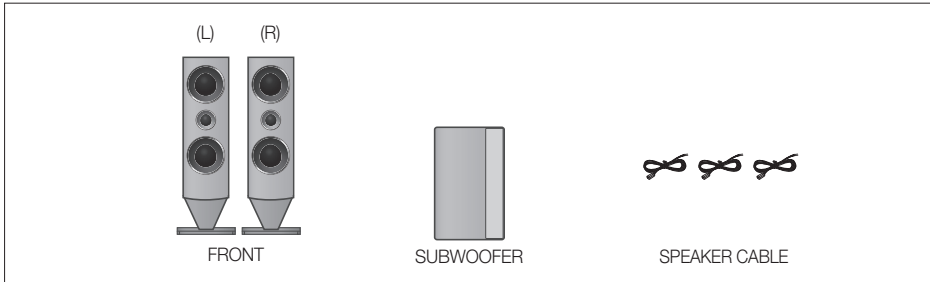
📎 NOTE

- 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

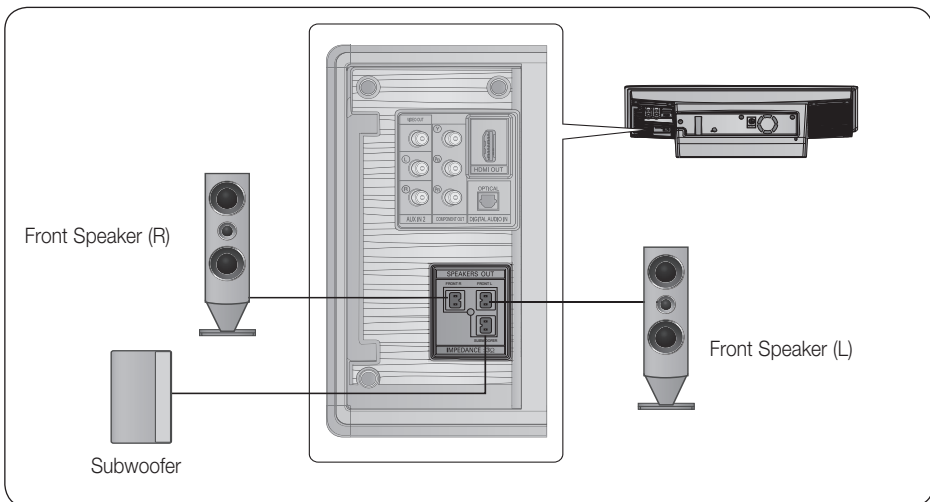
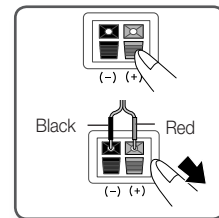
Connecting the Speakers

Speaker Components



Connecting The Speakers

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



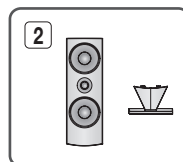
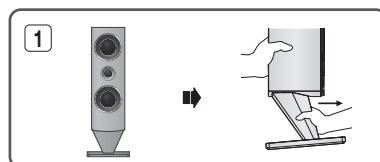
Removing/Installing the speaker on the stand

* Front Speakers only

How to remove the speaker

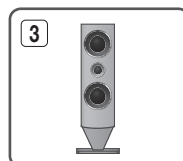
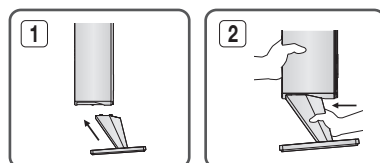
If you attach the speaker on the wall, remove the stand before using it.

1. Pull out the stand in the arrow direction as shown.
 - Be careful not to put excessive force when removing it. Otherwise, it can be damaged.
2. This is the appearance after the stand is removed.



How to install the speaker

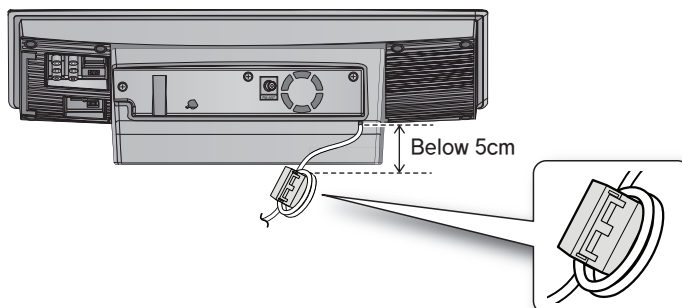
1. Connect the stand in the arrow direction so that it fits the corresponding holes (x4) on the speaker.
2. Fully insert the stand in the arrow direction as shown.
3. This is the appearance after the speaker unit is installed.



Attaching the Toroidal Ferrite Core to the Power Cord of the Main Unit

If you attach a Toroidal ferrite core to the power cord of the main unit, it will help to prevent RF interference from radio signals.

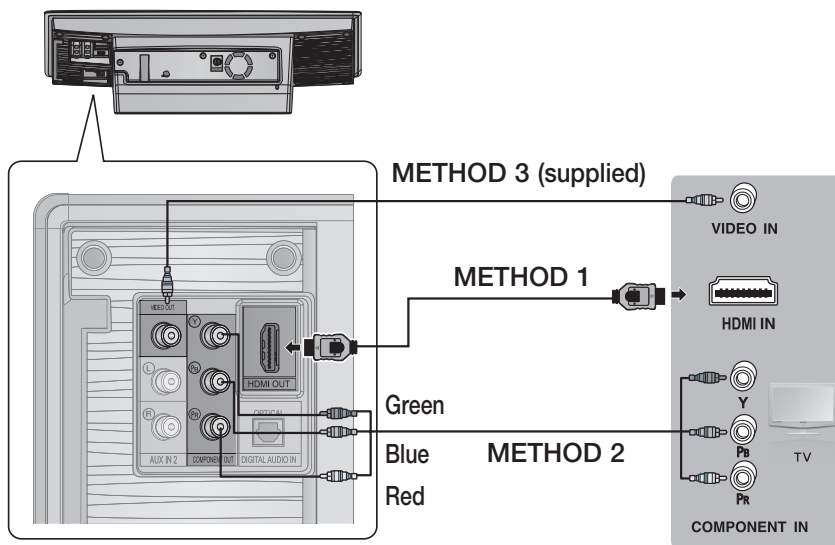
1. Pull the fixing tab of the Toroidal ferrite core to open it.
2. Make a loop twice in the main unit power cord.
3. Attach the Toroidal ferrite core to the main unit power cord as the figure shows and press it until it clicks.



Connections

Connecting the Video Out to your TV

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



METHOD 1 : HDMI

Connect an HDMI cable (not supplied) from the **HDMI OUT** jack on the back of the product to the HDMI IN jack on your TV.

METHOD 2 : Component Video

If your television is equipped with Component Video inputs, connect a Component video cable(not supplied) from the **COMPONENT OUT** (Pr, Pb and Y) jacks on the back of the product to the Component Video Input jacks on your TV.

METHOD 3 : 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 480p(576p), 720p,1080i/1080p. See page 23 for the resolution setting.
- This product operates in Interlace scan mode 480i(576i) for component/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**

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.
- 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.

 **NOTE**



- When a HDMI cable is connected, composite(Video) and component video signals are not output.

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+.

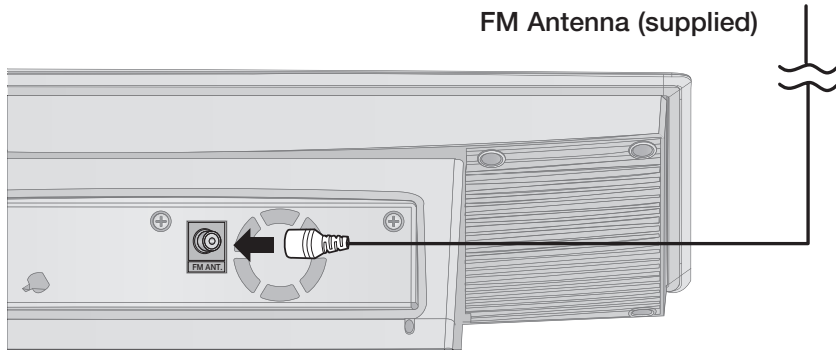
1. Connect the the product to a Samsung TV with an HDMI cable. (See page 18)
2. Set the Anynet+ function on your TV. (See the TV instruction manual for more information.)

 **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.)

Connections

Connecting the FM Antenna

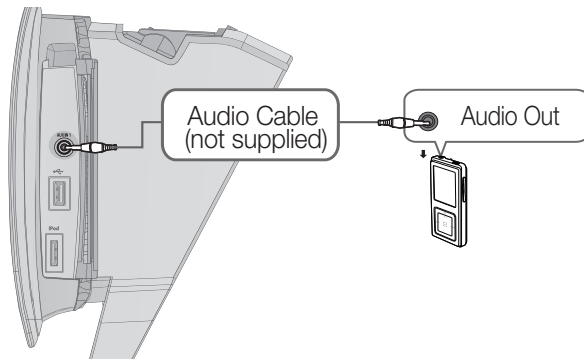


1. Connect the FM antenna supplied to the FM Antenna jack.
2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

NOTE

- This product does not receive AM broadcasts.

Connecting Audio from External Components



AUX1 : Connecting an External Component/MP3 player

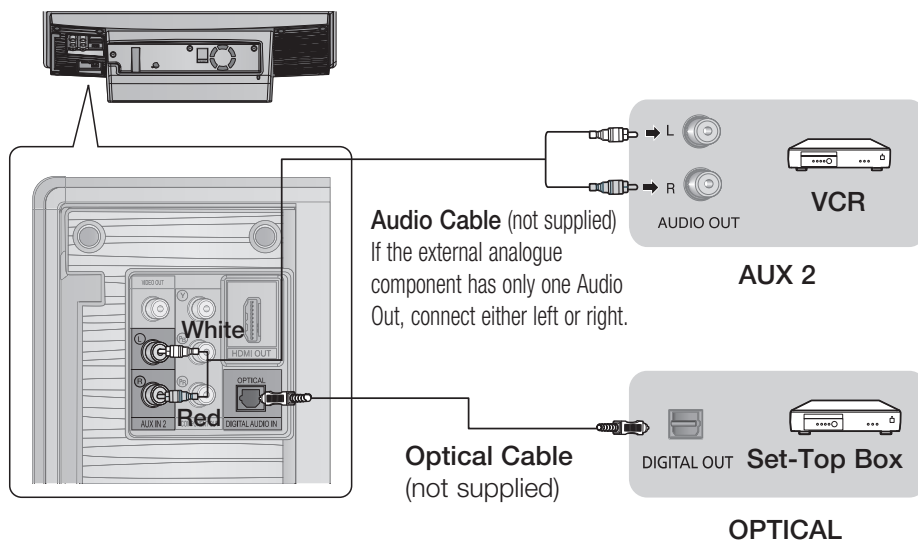
Components such as an MP3 Player.

1. Connect **AUX IN1** (Audio) on the side of the product to the Audio Out of the external component/ MP3 player.
2. Press the **FUNCTION** button to select **AUX1** input.
 - The mode switches as follows :
DVD/CD → D.IN → AUX 1 → AUX 2 → USB → IPOD → FM.

NOTE

- To optimize the system operation after switching to AUX mode, the signal sound will be output in few seconds.

Connecting Audio from External Components



AUX2 : Connecting an External Analogue Component

Analogue signal components such as a VCR.

1. Connect **AUX IN 2** (Audio) on the back of the product to the Audio Out of the external Analogue component.
 - Be sure to match the colours of the connecting jacks.
2. Press the **FUNCTION** button to select **AUX 2** input.
 - The mode switches as follows :
DVD/CD → D.IN → AUX 1 → AUX 2 → USB → IPOD → 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.
- To optimize the system operation after switching to AUX mode, the signal sound will be output in few seconds.

OPTICAL : Connecting an External Digital Component

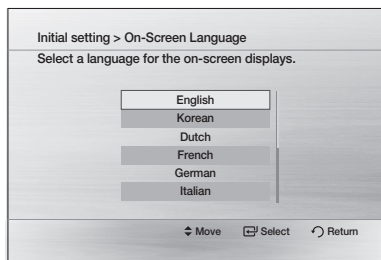
Digital signal components such as a Cable Box/Satellite receiver (Set-Top Box).

1. Connect the **DIGITAL AUDIO IN (OPTICAL)** on the back of the product to the Digital Output of the external digital component.
2. Press the **FUNCTION** button to select **D.IN**.
 - The mode switches as follows :
DVD/CD → D.IN → AUX 1 → AUX 2 → USB → IPOD → FM.

Setup

Before Starting (Initial Setting)

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



2. Press the **▲▼** buttons to select the desired language, then press the **ENTER** button.
3. Press the **ENTER** button to select Start button.
4. Press the **▲▼** buttons to select desired TV Aspect, then press the **ENTER** button.
5. Press the **ENTER** button to select Start button.

NOTE

- If the HDMI cable is connected to the product, TV aspect does not appear.
- If you want to move to the previous screen, press the RETURN button.
- Once you select a menu language, you can change it by pressing the **STOP** (■) button on the remote control for more than 5 seconds with no disc inserted.
- When the Initial Setting screen does not appear, refer to the Initial Setting. (see page 24)

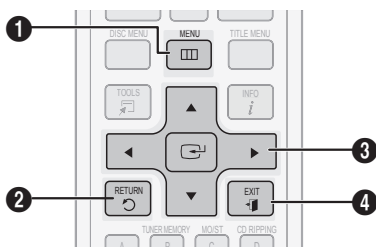
Selecting the Video Format

Each country has a different video format standard. You can select the video format either NTSC or PAL. Press and hold the Number 7 button on the remote control for over 5 seconds while the product is turned off.

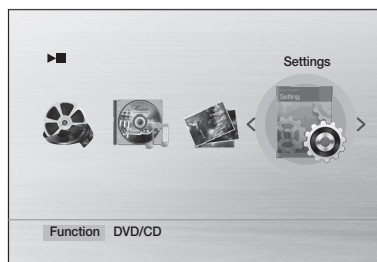
- "NTSC" or "PAL" will appear on the display. At this time, press the Number 7 button to select either "NTSC" or "PAL".
- The video format of the disc must be the same as the video format of your TV.

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 | MENU BUTTON : Display the home menu. |
| 2 | RETURN BUTTON : Return to the previous setup menu. |
| 3 | ENTER / DIRECTION BUTTON 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"> • 4:3 Pan-Scan | |
|  | <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"> • 4:3 Letter Box | |
|  | <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"> • 16:9 Wide | |
|  | <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 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 480p(576p), 720p, 1080i and 1080p indicates the number of lines of video.

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

- **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.)
- **480p(576p)** : Outputs 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.

NOTE

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

HDMI Format

You can optimize the colour 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.

Setup

Audio

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 Off, 2/8, 4/8, 6/8, Full.

AV-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 mSec and 300 mSec. Set it to the optimal status.

HDMI AUDIO

The audio signals transmitted over the HDMI Cable can be toggled On/Off.

- **Off** : Video is transmitted over the HDMI connection cable only, and audio is output through the product speakers only.
- **On** : 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 HDMI Audio Off.
- HDMI Audio is automatically down-mixed to 2ch for TV speakers.
- When HDMI Audio is set to On, DSP EQ /P.BASS doesn't work.
- In the iPod mode, this menu is not available.

EQ Optimizer

Set optimal EQ automatically depending on the region.

- **Off**: Turn EQ Optimizer off.
- **On**: Turn EQ Optimizer on.

System

Initial Setting

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



NOTE

- If the HDMI cable is connected to the product, 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.

Language

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

| | |
|---------------------|---|
| OSD Language | Select the language for the on-screen displays. |
| Disc Menu | Select the language for the disc menu displays. |
| Audio | Select the language for disc audio. |
| Subtitle | 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 38).
- ※ 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.

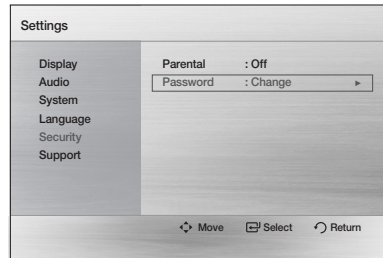
Enter the password and then press the **ENTER** button.

- The password is set to "7890" 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 with no disc inside. 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

Load a disc into the disc slot with the disc's label facing up.

NOTE

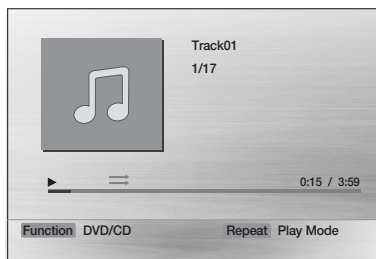
- Resume function: When you stop disc play, the product remembers where you stopped, so when you press **PLAY** button again, it will pick up where you left off. (This function works only with DVDs.)
Press the **STOP** button twice during playback to disable the Resume function.
- If no buttons are pressed 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 the product is left in the stop mode for more than 5 minutes without being used, a screen saver will appear on your TV.
- If the product is left in the screen saver mode for more than 20 minutes, the power will automatically turn off.

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



1. Insert an Audio CD(CD-DA) or an MP3 Disc into the disc slot.
 - 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.

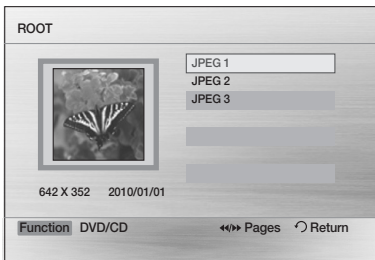
NOTE

- 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.

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 slot.
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

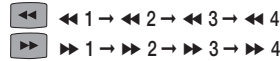
- The maximum resolutions supported by this product are 5120 x 3480 (or 19.0 MPixel) for standard JPEG files and 2048 x 1536 (or 3.0 MPixel) for progressive image files.

Using the Playback Function

Forward/Reverse Search



Press the ◀▶ buttons for Search Function.



NOTE

- No sound is played in search mode.

Skipping Scenes/Songs



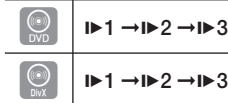
Press the ◀◀▶▶ buttons.

- 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

- You can operate this function only on the DivX.

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.



A-B Repeat Playback



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

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

| | |
|--|--------------------------------------|
| | Title → Chapter → A → Off |
| | Track → Dir (Directory) → Disc → Off |

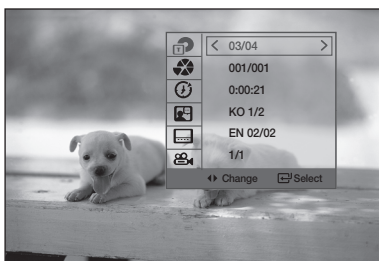
CD/MP3 Repeat

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

| | |
|--|--|
| | (Normal → Repeat Track → Repeat All → Random → Repeat Section A-B) |
| | (Normal → Repeat Track → Repeat Dir (Directory) → Repeat All → Random) |

Basic Functions

Displaying Disc Information



1. During playback, press the **TOOLS** button on the remote control.
2. Press the **▲▼** buttons to select the desired item.
3. 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.
4. 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 DTS, or Dolby Digital, depending on the disc.
- Some tools menus may differ depending on discs and files.

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.

Selecting the Audio Language



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

Selecting the Subtitle Language



1. Press the **TOOLS** button.
2. Press the **▲▼** buttons to select **SUBTITLE** () display.
3. Press the **◀▶** buttons or numeric buttons to select the desired subtitle language.
 - Depending on the number of 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.
- On the DivX file format, the subtitle languages may be represented by only numbers.

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 60 alphanumeric characters or 30 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.

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 or numeric buttons to select the desired angle.

NOTE

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

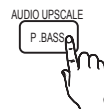
Sound Mode

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 | POWER BASS ON → POWER BASS OFF → MP3 ENHANCE ON |

NOTE

- The P.BASS function is only available with 2 channel LPCM sources such as MP3, Divx, CD and WMA.
- The P.BASS function does not work with the DSP/EQ mode.
If you press P.BASS in the DSP/EQ mode, the DSP/EQ mode is automatically shut off and the P. BASS function will be turned on.
- The MP3 Enhancement function is only available MP3 file.

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 ROCK, POP, or JAZZ etc. to optimize the sound for the genre of music you are playing.

Press the **DSP/EQ** button.



| | |
|---------------------------------|---|
| POPS, JAZZ, ROCK | Select POP, JAZZ, or ROCK, depending on the genre of music you're listening to. |
| STUDIO | Provides a sense of presence as if in a studio. |
| CLUB | Simulates the sound of a dance club with a throbbing bass beat. |
| HALL | Provides a clear vocal as if listening in a concert hall. |
| MOVIE | Provides the feeling of a movie cinema. |
| CHURCH | Provides the feeling of being in a grand church. |
| PASS | Select this for normal listening. |

V-SOUND (Virtual Sound)

Produces realistic sound through 2.1 channel audio system with the aid of virtual effects, this gives you the feeling you are listening to 5.1 channel audio system.

Press the **V-SOUND** button.

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

VSOUND ON → VSOUND OFF



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 :



SVOL ON → SVOL OFF

Listening to Radio

Using buttons on the Remote Control

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

Using buttons on the product

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

Setting Mono/Stereo

Press the **MO/ST** button.

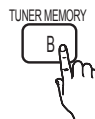
- Each time the button is pressed, the sound switches between **STEREO** and **MONO**.
- In a poor reception area, select **MONO** for a clear, interference-free broadcast.



Presetting Stations

Example : Presetting FM 89.10 in the memory

1. Press the **FUNCTION** button to select **FM**.
2. Press the **TUNING/CH** (**▲, ▼**) buttons to select <89.10>.
3. Press the **TUNER MEMORY** button.
 - Number flashes on the display.
4. Press the **◀▶** buttons 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 **◀▶** buttons on the remote control to select a channel.

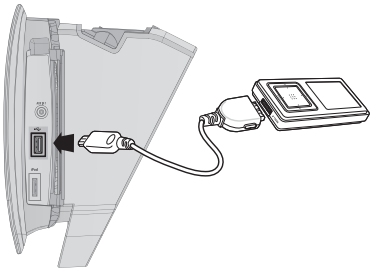


Advanced Functions

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



1. Connect the USB device to the USB port on the side 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**, **Music** or **Photo**.
 - 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.

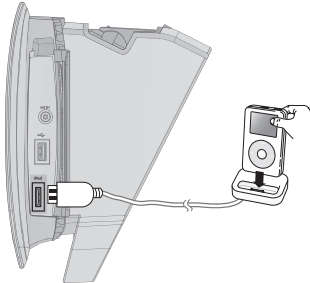
- Press the **YELLOW(C)** button.
 - **REMOVE** will appear on the display.
- Remove the USB cable.

NOTE

- Remove the USB cable from the USB port slowly. Otherwise, it may cause damage to the USB port.

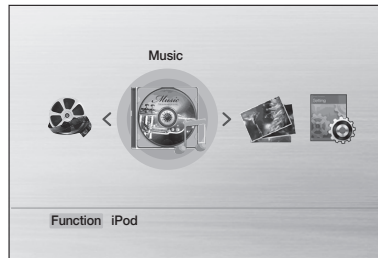
Using an iPod

You can enjoy music, video files from an iPod through the product.



Listening to Music

You can play music files stored in the iPod player by connecting it to the product.



1. Press the **FUNCTION** button to select iPod.
2. Connect the iPod dock connector to the iPod Jack on the side of the product.
3. Place the iPod in the dock.
 - Your iPod is automatically turned on.
 - "iPod" appears on the TV screen.
4. Press the **◀▶** buttons to select Music.
5. Select the music file to play.
 - You can use the remote control or product to control simple playback functions such as the **PLAY**, **PAUSE**, **STOP**, **◀◀/▶▶**, **◀/▶** and **REPEAT** buttons. See page 13.

 **NOTE**

- Adjust the volume to a moderate level before you connect your iPod and product.
- When the product is powered on and you connect an iPod, the product will charge your iPod's battery.
- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- "Made for iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- In the iPod mode, the HDMI Audio setting does not work.

iPod Music categories

File information including the artist name, album name, music title and genre will be displayed according to the ID3 Tag information on the appropriate music file.

| | |
|------------------|--|
| Artist | To play by artist. |
| Songs | To play in numeric or alphabetical order |
| Playlist | To play by Playlist. |
| Album | To play by album. |
| Generic | To play by genre. |
| Composers | To play by composer. |

 **NOTE**

- The category list may differ, depending on the iPod model.
- What is an ID3 Tag?
This is what is attached to an MP3 to carry information relevant to the file such as the title, artist, album, year, genre and a comment field.

Watching a Movie

You can play video files stored in the iPod player by connecting it to the product.

1. Press the **FUNCTION** button to select **IPOD**.
2. Connect the iPod dock connector to the iPod Jack on the side of the product.
3. In the iPod screen, move to **Settings > Videos**, then set the **TV Out** option and the TV signal.
4. Place the iPod in the Dock.
 - "iPod" appears on the TV screen.
5. Press the **◀▶** buttons to select **Videos**.
6. Select the video file to play.
 - You can use the remote control or product to control simple playback functions such as the **PLAY, PAUSE, STOP, ⏮/▶▶** and **◀▶ /▶▶** buttons. (See page 13.)

iPod models that can be used with this product

| | | |
|---|--|---|
| iPod nano 3rd generation (video) | iPod 5th generation (video) | iPod nano 4th generation (video) |
| iPod touch 1st generation | iPod touch 2nd generation | iPhone 3G |
| iPod classic | iPhone | |

 **NOTE**

- Connect the VIDEO OUT jack (Composite) on the product to your TV. If you select iPod video while connecting the HDMI cable, a pop-up message will appear on the TV screen meaning that you need to change the TV VIDEO input source to Composite. Select "Yes" and change the Video input source on your TV to the Composite mode to watch the iPod Video file.
See your TV owner's manual for more information.
- iPod Video is only available in Composite Video output.
- If you want to watch iPod video via VIDEO output, set HDMI CEC to off.
- No other screen than the playback one will appear on the TV screen. Check other screens on the iPod player.
- If connected iPod does not support video playback, "Cannot play video files saved on this iPod" message appears when you select the Video menu.
- Compatibility depends on the software version of your iPod. Keep the iPod SW version up to date.

Advanced Functions

CD Ripping



Converts audio sound of the CDDA (Compact Disc Digital Audio) into a MP3 file format before sending to a USB storage device.

1. Connect the USB device to your product.
2. Insert the CDDA disc into the disc slot.
3. Press the **CD RIPPING** button.
 - To start ripping the current track, press the **CD RIPPING** button on the remote control while the system is playing a track or stopped temporarily.
 - To rip the entire CD, press and hold the **CD RIPPING** button on the remote control. "FULL CD RIPPING" appears on the display and ripping starts.
4. Press the **STOP** (■) button to stop ripping.
 - When the CD ripping is done, a directory named "RIPPING" will be created in the USB device and the ripped file will be saved in a format of "SAM-XXXX".MP3".



- The ripping is performed at a normal speed of x3. The ripping time may be longer with some USB devices.
- While the system is ripping a CD, the audio sound will not be output.
- Do not put touch or move the system while it is ripping a CD.
- When HDMI AUDIO is set to On, the CD Ripping function is not supported.

NOTE

- Do not disconnect the USB connection or the power cable during the CD ripping. Otherwise, it may cause damage to the data. To stop CD ripping, 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 CD ripping, the system will turn off and you will not be able to delete the ripped file.
- If you connect the USB device to the system while it is playing a CD, the system stops temporarily and will play again.
- DTS-CDs cannot be ripped.
- If the ripping duration is less than 5 seconds, a ripping file may not be created.
- CD ripping works only if the USB device is formatted in the FAT file system. (The NTFS file system is not supported.)
For a list of compliant devices, refer to the specification of the USB host.

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"> • Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on. |
| The iPod fails to connect. | <ul style="list-style-type: none"> • Check the condition of the iPod connector and Dock. • Keep the iPod S/W version up to date. |
| Playback does not start. | <ul style="list-style-type: none"> • 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 product. • Make sure that the rating level is correct. |
| Playback does not start immediately when the Play/Pause button is pressed. | <ul style="list-style-type: none"> • Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean. |
| Sound is not produced. | <ul style="list-style-type: none"> • No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? • Is the disc severely damaged? |
| Sound can be heard only from a few speakers and not all 3. | <ul style="list-style-type: none"> • On certain DVD discs, sound is output from the front speakers only. • Check if the speakers are connected properly. • Adjust the volume. • When listening to a CD, radio or TV, sound is output to the front speakers only. |
| The remote control does not work. | <ul style="list-style-type: none"> • Is the remote control being operated within its operation range of angle and distance? • Are the batteries drained? • Have you selected the mode (DVD RECEIVER/TV) functions of the remote control (DVD RECEIVER/TV) correctly? |
| <ul style="list-style-type: none"> • Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking. | <ul style="list-style-type: none"> • 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. | <ul style="list-style-type: none"> • Audio language and subtitles will not work if the disc does not contain them. |
| The Disc/Title menu screen does not appear even when the Disc/Title function is selected. | <ul style="list-style-type: none"> • Are you using a disc that does not contain menus? |
| Aspect ratio cannot be changed. | <ul style="list-style-type: none"> • 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. |

Other Information

| Symptom | Check/Remedy |
|--|---|
| <ul style="list-style-type: none"> The product is not working. (Example: The power goes out or the front panel key doesn't work or a strange noise is heard.) The product is not working normally. | <ul style="list-style-type: none"> Press and hold the STOP (■) button on the remote control for longer than 5 seconds with no disc (reset function). <p>Using the RESET function will erase all stored settings. Do not use this unless necessary.</p> |
| The rating level password has been forgotten. | <ul style="list-style-type: none"> While "NO DISC" message appears on the display of the product, press and hold the remote control's STOP (■) button for longer than 5 seconds. "INIT" appears on the display and all settings will return to the default values. And then press the POWER button. <p>Using the RESET function will erase all stored settings. Do not use this unless necessary.</p> |
| Can't receive radio broadcast. | <ul style="list-style-type: none"> 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 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 | Twi |
| 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 | (Afan) Oromo | 1512 | Serbian | 1587 | Volapuk |
| 1079 | Catalan | 1203 | Gujarati | 1307 | Kurdish | 1408 | Oriya | 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 | 3.0 Kg | |
| | Dimensions | 433 (W) x 142 (H) x 208 (D) mm | |
| | Operating Temperature Range | +5°C~+35°C | |
| | Operating Humidity Range | 10 % to 75 % | |
| FM Tuner | Signal/noise ratio | 70 dB | |
| | Usable sensitivity | 10 dB | |
| | Total harmonic distortion | 0.5 % | |
| 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 | 480i(576i) 1 channel : 1.0 Vp-p (75 Ω load) | |
| | Component Video | 480i(576i) Y : 1.0 Vp-p (75 Ω load) Pr : 0.70 Vp-p (75 Ω load) Pb : 0.70 Vp-p (75 Ω load) | |
| Video/Audio | HDMI | 1080p, 1080i, 720p, 480p(576p) | |
| Amplifier | Front speaker output | 132W x 2(3Ω) | |
| | Subwoofer output | 134W(3Ω) | |
| | Frequency range | 20Hz~20KHz | |
| | S/N Ratio | 70dB | |
| | Channel separation | 60dB | |
| | Input sensitivity | (AUX)400mV | |
| Speaker | Speaker system | 2.1ch speaker system | |
| | | Front | Subwoofer |
| | Impedance | 3 Ω | 3 Ω |
| | Frequency range | 140Hz~20KHz | 40Hz~160Hz |
| | Output sound pressure level | 86dB/W/M | 88dB/W/M |
| | Rated input | 132W | 134W |
| | Maximum input | 264W | 268W |
| | Dimensions (W x H x D) | Front : 90 x 334.5 x 68.5 mm (Stand base : 109 x 98 mm) Subwoofer : 168 x 350 x 295 mm | |
| Weights | Front: 0.84 Kg Subwoofer : 4.5 Kg | | |

*: 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.

Contact SAMSUNG WORLD WIDE

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

| Area | Contact Centre ☎ | Web Site |
|------------------------|---|--|
| ■ North America | | |
| Canada | 1-800-SAMSUNG (726-7864) | www.samsung.com |
| Mexico | 01-800-SAMSUNG (726-7864) | www.samsung.com |
| U.S.A | 1-800-SAMSUNG (726-7864) | www.samsung.com |
| ■ Latin America | | |
| Argentina | 0800-333-3733 | www.samsung.com |
| Brazil | 0800-124-421 4004-0000 | www.samsung.com |
| Chile | 800-SAMSUNG (726-7864) | www.samsung.com |
| Nicaragua | 00-1800-5077267 | www.samsung.com |
| Honduras | 800-7919267 | www.samsung.com |
| Costa Rica | 0-800-507-7267 | www.samsung.com |
| Ecuador | 1-800-10-7267 | www.samsung.com |
| El Salvador | 800-6225 | www.samsung.com |
| Guatemala | 1-800-299-0013 | www.samsung.com |
| Jamaica | 1-800-234-7267 | www.samsung.com |
| Panama | 800-7267 | www.samsung.com |
| Puerto Rico | 1-800-682-3180 | www.samsung.com |
| Rep. Dominica | 1-800-751-2676 | www.samsung.com |
| Trinidad & Tobago | 1-800-SAMSUNG (726-7864) | www.samsung.com |
| Venezuela | 0-800-100-5303 | www.samsung.com |
| Colombia | 01-8000112112 | www.samsung.com |
| ■ Europe | | |
| Austria | 0810 - SAMSUNG (7267864, € 0.07/min) | www.samsung.com |
| Belgium | 02-201-24-18 | www.samsung.com/ be (Dutch) www.samsung.com/ be_fr (French) |
| Czech | 800 - SAMSUNG (800-726786) | www.samsung.com |
| Denmark | 70 70 19 70 | www.samsung.com |
| Finland | 030 - 6227 515 | www.samsung.com |
| France | 01 48 63 00 00 | 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 | 261 03 710 | www.samsung.com |
| Netherlands | 0900-SAMSUNG (0900-7267864) (€ 0,10/Min) | www.samsung.com |
| Norway | 815-56 480 | www.samsung.com |
| Poland | 0 801 1SAMSUNG (172678) 022-607-93-33 | www.samsung.com |
| Portugal | 80820-SAMSUNG (726-7864) | www.samsung.com |
| Slovakia | 0800-SAMSUNG (726-7864) | www.samsung.com |
| Spain | 902 - 1 - SAMSUNG (902 172 678) | www.samsung.com |
| Sweden | 0771 726 7864 (SAMSUNG) | www.samsung.com |
| U.K | 0845 SAMSUNG (7267864) | www.samsung.com |
| Eire | 0818 717100 | www.samsung.com |

| Area | Contact Centre ☎ | Web Site |
|-----------------------------------|--|---|
| Switzerland | 0848 - SAMSUNG (7267864, CHF 0.08/min) | www.samsung.com/ch www.samsung.com/ ch_fr/ (French) |
| Lithuania | 8-800-77777 | www.samsung.com |
| Latvia | 8000-7267 | www.samsung.com |
| Estonia | 800-7267 | www.samsung.com |
| ■ CIS | | |
| Russia | 8-800-555-55-55 | www.samsung.com |
| Georgia | 8-800-555-555 | |
| Armenia | 0-800-05-555 | |
| Azerbaijan | 088-55-55-555 | |
| Kazakhstan | 8-10-800-500-55-500 | |
| Uzbekistan | 8-10-800-500-55-500 | www.samsung.com |
| Kyrgyzstan | 00-800-500-55-500 | www.samsung.com |
| Tadjikistan | 8-10-800-500-55-500 | www.samsung.com |
| Ukraine | 0-800-502-000 | www.samsung.ua www.samsung.com/ ua_ru |
| Belarus | 810-800-500-55-500 | |
| Moldova | 00-800-500-55-500 | |
| ■ Asia Pacific | | |
| Australia | 1300 362 603 | www.samsung.com |
| New Zealand | 0800 SAMSUNG (0800 726 786) | www.samsung.com |
| China | 400-810-5858 010-6475 1880 | www.samsung.com |
| Hong Kong | (852) 3698-4698 | www.samsung.com/ hk www.samsung.com/ hk_en/ |
| India | 3030 8282 1800 110011 1800 3000 8282 1800 266 8282 | www.samsung.com |
| Indonesia | 0800-112-8888 021-5699-7777 | www.samsung.com |
| Japan | 0120-327-527 | www.samsung.com |
| Malaysia | 1800-88-9999 | www.samsung.com |
| Philippines | 1-800-10-SAMSUNG (726-7864) 1-800-3-SAMSUNG (726-7864) 1-800-8-SAMSUNG (726-7864) 02-5805777 | www.samsung.com |
| Singapore | 1800-SAMSUNG (726-7864) | www.samsung.com |
| Thailand | 1800-29-3232 02-689-3232 | www.samsung.com |
| Taiwan | 0800-329-999 | www.samsung.com |
| Vietnam | 1 800 588 889 | www.samsung.com |
| ■ Middle East & Africa | | |
| Turkey | 444 77 11 | www.samsung.com |
| South Africa | 0860-SAMSUNG (726-7864) | www.samsung.com |
| U.A.E | 800-SAMSUNG (726-7864) | www.samsung.com |
| Bahrain | 8000-4726 | |
| Jordan | 800-22273 | |



Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.