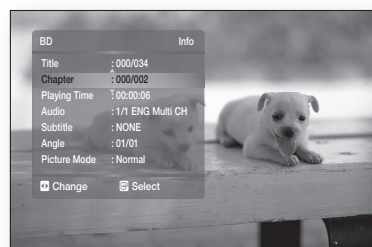


Watching a movie

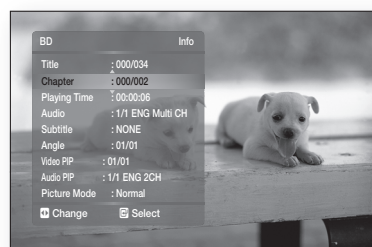
USING THE DISPLAY FUNCTION



1. During playback, press the **INFO** button on the remote control.
 - If the Blu-ray Disc has the PIP feature, press the **INFO** button in the PIP section to display PIP-related information.
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 directly access a title, chapter or to start the playback from a desired time.
4. To make the screen disappear, press the **INFO** button again.



<INFO menu for the PIP section>



- If you are playing contents from the info menu, some functions may not be enabled depending on the disc.
- 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 Blu-ray Disc/DVD, each movie will be identified as a Title.
- Chapter: Most Blu-ray Disc/DVD discs are recorded in chapters so that you can quickly find a specific chapter.
- Audio : Refers to the film's soundtrack language. A Blu-ray Disc can contain up to 32 audio languages and a DVD up to 8.
- 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.
- 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 Blu-ray Disc can contain up to 255 subtitle languages, and a DVD up to 32.
- Angle : When a Blu-ray Disc/DVD contains multiple angles of a particular scene, you can use the ANGLE function.
- PIP Video/ PIP Audio : You can make PIP Video or PIP Audio settings if the current title of a Blu-ray Disc appears in the PIP section. The PIP Video / PIP Audio options, however, will be disabled with a Blu-ray Disc that does not support the PIP feature.
- Picture Mode : This function enables you to adjust video quality when you are connected to a TV via HDMI.
 - Dynamic : Choose this setting to increase Sharpness.
 - Normal : Choose this setting for most viewing applications.
 - Movie : This is the best setting for watching movies.
 - User : The user can adjust the sharpness and noise reduction function respectively.

USING THE DISC MENU & POPUP/TITLE MENU

ENG

Using the Disc Menu



1. During playback, press the **DISC MENU** button on the remote control.
2. Press the **▲▼◀▶** buttons to make the desired selection, then press the **▶** or **ENTER** button.
 - The Disc menu setup items may vary from disc to disc.




-  ■ Depending on the disc, the Disc Menu may not be available.

Using the Title Menu



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.
 - The Title menu setup options may vary from disc to disc.

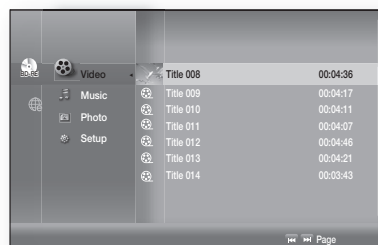
-  ■ Depending on the disc, the Title Menu may not be available.
- Title Menu will only be displayed if there are at least two titles on the disc.

Playing the Title List



1. With the unit in Stop mode/Playback mode, press the **DISC MENU** or **TITLE MENU** button.
2. Press the **▲▼** buttons to select an entry you want to play from Title List, then press the **▶** or **ENTER** button. The selected entry (title) will be played back.

- Go to Playlist -
To go to the Playlist, press the **RED(A)** button.



Using the Popup Menu



1. During playback, press the **POPUP MENU** button on the remote control.
2. Press the **▲▼◀▶** buttons or **ENTER** button to select the desired menu.
 - The Popup menu setup options may vary from disc to disc.



-  ■ Depending on the disc, the Popup Menu may not be available.

● WATCHING A MOVIE

Watching a movie

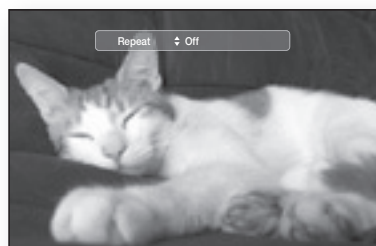
REPEAT PLAY

Repeat the current chapter or title.

Repeat playback



1. During playback, press the **REPEAT** button on the remote control. Repeat screen appears.
2. Press the **▲▼** buttons to select **Chapter** or **Title**.
 - Blu-ray Disc/DVD repeats play by chapter or title.
3. To return to normal play, press the **REPEAT** button again, then press the **▲▼** buttons to select **Off**.

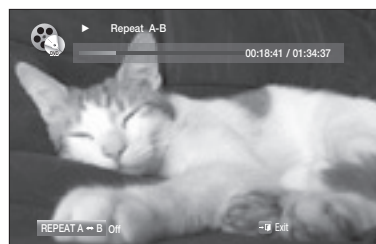


-  ■ Depending on the disc, the Repeat function may not be available.

Using the A-B Repeat function



1. Press the **REPEAT A-B** button on the remote control during playback.
2. Press the **REPEAT A-B** button at the point where you want repeat play to start (A).
3. Press the **REPEAT A-B** button at the point where you want repeat play to stop (B).
4. To return to normal play, press the **CANCEL** button.



-  ■ Point B cannot be set until 5 seconds of playback has elapsed from point A.

SELECTING THE AUDIO LANGUAGE

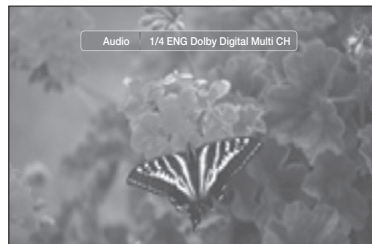


ENG

You can select a desired audio language quickly and easily with the **AUDIO** button.

Using the AUDIO button

1. Press the **AUDIO** button during playback. The Audio changes when the button is pressed repeatedly.
 - The audio languages are represented by abbreviations.
2. To remove the **Audio** bar, press the **CANCEL** or **RETURN** button.



Using the INFO button

1. During playback, press the INFO button on the remote control.
2. Press the ▲▼ buttons to select Audio language.
3. Press the ◀▶ buttons on the remote control to select the desired audio language.

- This function depends on what audio languages are encoded on the disc and may not be available.
- A Blu-ray Disc can contain up to 32 audio languages and a DVD up to 8.
- Depending on the disc type, you can use the **AUDIO** button to change the audio soundtrack as well as the audio language. Some Blu-ray Discs may allow you to select either the multi-channel LPCM or Dolby digital audio soundtrack in English.
- Information about the primary / secondary mode will be also displayed if the Blu-ray Disc has a PIP section. Use the ◀▶ button to switch between primary and secondary audio modes.
- The ◀▶ indicator will not be displayed on the screen if the PIP section does not contain any PIP audio settings.

● WATCHING A MOVIE

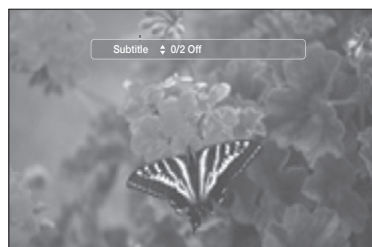
SELECTING THE SUBTITLE LANGUAGE

You can select a desired subtitle quickly and easily with the **SUBTITLE** button.

Using the SUBTITLE button



1. Press the **SUBTITLE** button. The subtitle changes when the button is pressed repeatedly. The subtitle languages are represented by abbreviations.
2. To remove the **Subtitle** bar, press the **CANCEL** or **RETURN** button.



Watching a movie

SELECTING THE SUBTITLE LANGUAGE

Using the INFO button

1. During playback, press the INFO button on the remote control.
2. Press the ▲▼ buttons to select Subtitle.
3. Press the ◀▶ buttons on the remote control to select the desired subtitle language.



- Depending on the Blu-ray Disc / DVD, you may be able to change the desired subtitle in the Disc Menu. Press the **DISC MENU** button.
 - This function depends on what subtitles are encoded on the disc and may not be available on all Blu-ray Discs/DVDs.
 - A Blu-ray Disc can contain up to 255 subtitle languages and a DVD up to 32.
 - Information about the primary / secondary mode will be also displayed if the Blu-ray Disc has a PIP section.
 - This function changes both the primary and secondary subtitles at the same time.
 - The total number of subtitles is the sum of the primary and secondary ones.

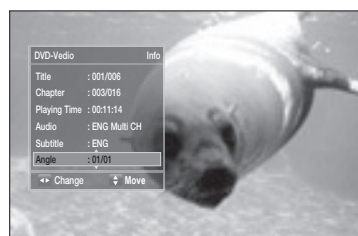
CHANGING THE CAMERA ANGLE

When a Blu-ray Disc/DVD contains multiple angles of a particular scene, you can use the ANGLE function.

Using the ANGLE function



1. During playback, press the **INFO** button on the remote control.
2. Press the ▲▼ buttons to select **Angle**.
3. Press the ◀▶ buttons or you can use the number buttons on the remote control to select the desired angle.



- If the disc has only one angle, this feature won't work. Currently, very few discs have this feature.
 - Depending on the disc, these functions may not work.

PIP (PICTURE IN PICTURE) SETTINGS

The PIP feature allows you to view additional content (such as commentaries) in a small screen window while the movie is playing.



Using the PIP button

1. If the current Blu-ray Disc features the PIP function, you can use the **PIP** button to turn **PIP On** or **Off**.

2. Each time you press the **PIP** button, you can toggle between **PIP On** and **PIP Off**.



- You can change detailed settings of the PIP feature in the INFO menu (see page 58: selection of secondary audio, video stream and subtitle etc.).
- If you switch from PIP Video, PIP Audio will change automatically in accordance with PIP Video.
- If the Blu-ray Disc supports only PIP Audio, you can just press the PIP button to turn the secondary audio on or off.

BD-LIVE™

The Blu-ray Home Theater supports BD-LIVE which enables you to enjoy a variety of interactive service contents provided by the disc manufacturer through network connection.

Using the BD-LIVE Disc

1. Connect the network (see pages 30~31) and check the network setup (see pages 53~57).
2. Insert a Blu-ray disc that supports BD-LIVE.
3. Select the contents provided by the disc manufacturer to enjoy the BD-LIVE.



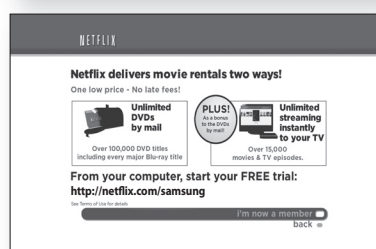
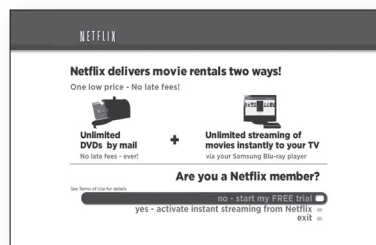
- The way you use BD-LIVE and the features may differ, depending on the disc.
- To use BD-LIVE, you must insert a minimum 1GB USB memory device into one of the USB slots.

Watching a movie

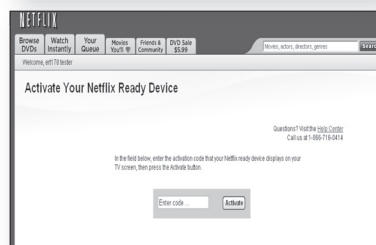
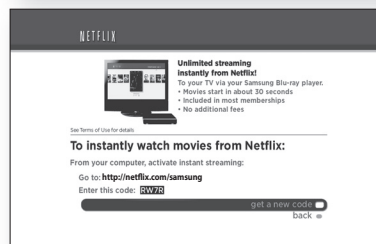
USING THE INSTANT STREAMING FEATURE PROVIDED BY NETFLIX

This Blu-ray Home Theater supports the Netflix streaming service which enables you to enjoy various movies via network connection. Before enjoying this feature, you must perform the LAN connection (see page 28).

1. With the unit in Stop mode/No Disc mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Netflix**, then press the **ENTER** or **▶** button.
3. If you don't have an account, select "no-start my FREE trial" and subscribe to <http://netflix.com/samsung> from your computer. A user with existing account can select the "yes-activate instant streaming from Netflix".



4. If you have an existing account, you will see the next window if **Yes** was selected. Select "I'm now a member".



- You can also start Netflix streaming by pressing the **RED(A)** button on your remote control while the Samsung logo screen is displayed.
- Video quality of the Netflix contents (SD or HD) depends on the network speed and the original bit rate of the Netflix contents
- When you use the Netflix streaming service with this Blu-ray Home Theater, refer to the LAN connection. (See pages 28~29)
- In order to activate your Blu-ray Home Theater with Netflix with the code provided, you will need an active LAN connection to both a PC and your player. To connect the network with Blu-ray Home Theater, refer to the pages 28~29.

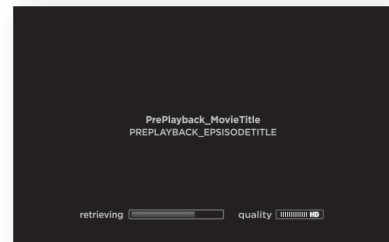
5. To add a movie to the Instant Queue list of this Blu-ray Home Theater, select the "Add to Instant" button on the Netflix "Watch Instantly" web page using your PC.
6. Movies you added to the Instant Queue from the web are listed.

Press the **ENTER** button of the remote control and select a movie to display the next screen.

 - To add the movie in Instant Queue list of this Blu-ray Home Theater, you can select "Add to Instant" button on "Watch Instantly" page of Netflix web site using your PC.



7. Press the **PLAY** button to start the playback, and the initial buffering of the streamed data is shown.



8. Press the **SCAN** button to select a scene of your choice.
 - To stop the movie or go to the instant movie list, press the upper arrow or Stop button.



- For more information on the Netflix Instant Streaming feature visit <http://www.netflix.com/help/tv> or login to your Netflix account and click "Help" at the top of the page.

Watching a movie

DIVX PLAYBACK

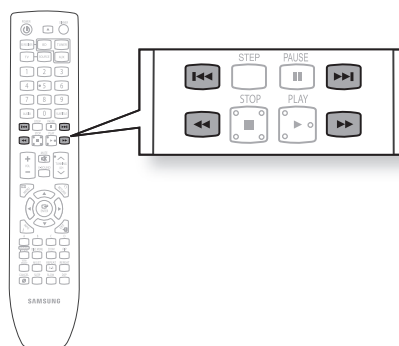
The functions discussed on this page apply to DivX disc playback only.

Skip Forward/Back



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

- Goes to the next file whenever you press the **⏭** button, if there are over 2 files on the disc.
- Goes to the previous file whenever you press the **⏮** button, if there are over 2 files on the disc.



Fast Playback



During playback, press the **⏪, ⏩** button.

To play back the disc at a faster speed, press the **⏪** or **⏩** button during playback.

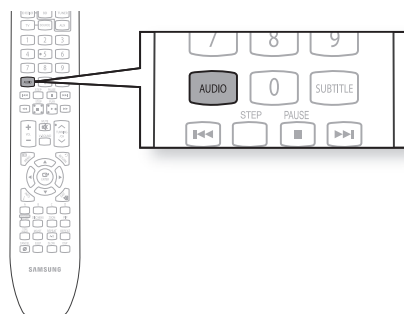
- Each time you press either button, the playback speed will change as follows:
2x → 4x → 8x.

Audio Display



Press the **AUDIO** button.

- If there are multiple audio languages on a disc, you can toggle between them.
- Each time you press the button, your selection will toggle between **AUDIO (1/N, 2/N ...)**.

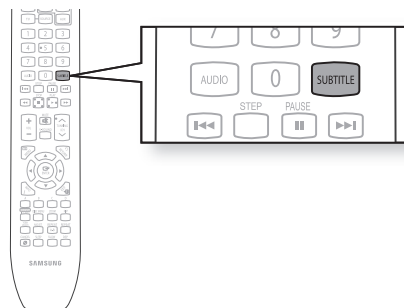


Subtitle Display



Press the **SUBTITLE** button.

- Each time you press the button, your selection will toggle between **SUBTITLE (1/N, 2/N ...)** and **SUBTITLE OFF**.
- If the disc has only one subtitle file, it will be played automatically.
- See number 2 (Caption Function) below for more details concerning Subtitle usage with DivX discs.



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 so that the users can watch a movie at near DVD-quality video and audio.

1. Supported Formats

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	AVI
Supported Versions	DivX3.11 ~ DivX5.X, XviD

Supported Audio Formats

Format	MP3	AC3
Bit Rate	56 ~ 320 kbps	128 ~ 384 kbps
Sampling Frequency	32 ~ 48 kHz	44.1/48 kHz

- This product supports up to 720x480 pixels.
- When you play a disc whose sampling frequency is higher than 48 kHz or 320 kbps, you may experience shaking on the screen during playback.
- Qpel and gmc is not supported.

2. 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

- "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.

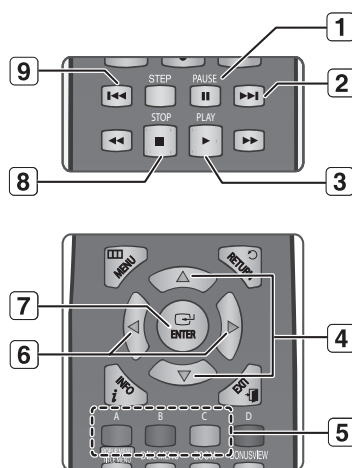


ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to vod.divx.com with this code to complete the registration process and learn more about DivX VOD.

DivX Certified to play DivX video up to HD 1080p, including premium content"

Listening to music

BUTTONS ON THE REMOTE CONTROL USED FOR AUDIO CD (CD-DA)/ MP3 DISC PLAYBACK



1. PAUSE button : Pauses playback.
2. SKIP (▶▶) button : During playback, moves to the next page in the Music List or moves to the next track in the Playlist.
3. PLAY button : Plays the currently selected track.
4. ▲▼ buttons : Selects a track(song) in the Music List or Playlist.
5. COLOR buttons
 - RED(A) button : Selects the Play Mode(Repeat) during playback.
 - GREEN(B) button : Go to Playlist from Music List.
 - YELLOW(C) button : Playlist play.
6. ◀▶ buttons
 - ◀ : Plays the applicable track, according to the current position.
 - ▶ : Moves to the menu.
7. ENTER button : Plays the selected track (song).
8. STOP button : Stops a track(song).
9. SKIP (◀◀) button : If you pressed this button after three seconds of playback, the current track will be replayed from the beginning. But, if you pressed this button within three seconds after playback starts, the previous track will be played. Used to move to the previous page in the Music List or Playlist.

REPEAT AUDIO CD(CD-DA) & MP3

During playback, press the REPEAT or RED(A) button repeatedly to select the repeat mode you want.

When playing an Audio CD(CD-DA) : ◀▶ → ◀◀ → ▶▶ → 🔁

When playing an MP3 disc : ◀▶ → ◀◀ → ▶▶ → 🔁

- ◀▶ Normal (Audio CD(CD-DA)/MP3): Tracks on a disc are played in the order in which they were recorded on the disc.
- ◀◀ Repeat Track (Audio CD(CD-DA)/MP3)
- ▶▶ Repeat Folder (MP3)
- 🔁 Random (Audio CD(CD-DA)/MP3)
 - When playing an Audio CD(CD-DA): The random option plays a disc's tracks in random order.
 - When playing an MP3 disc : The random option plays a folder's file in random order.
- ◀◀ Repeat All (Audio CD(CD-DA)): All tracks are repeated.

- To return to normal playback -

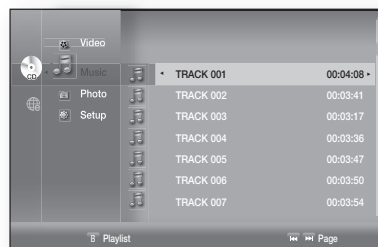
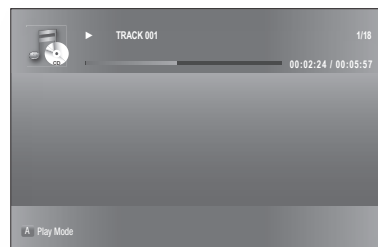
Press the REPEAT or RED(A) button repeatedly to return to normal playback.

PLAYING AN AUDIO CD(CD-DA)/MP3



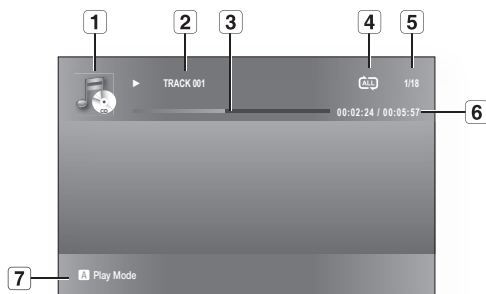
ENG

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.
 - For an MP3 disc, press the ▲▼ buttons to select **Music**, then press the **ENTER** button.
(You can listen to mp3 files using a USB storage device)
2. To move to the Music List, press the **STOP** or **RETURN** button.
The Music List screen is displayed on your TV.
3. Press the ▲▼ buttons to select the track you want to play, then press the **ENTER** button.



● LISTENING TO MUSIC

❖ Audio CD(CD-DA)/MP3 Screen Elements



1	Displays the media type.
2	Current track (song) Displays the number of the track currently being played.
3	Play Status Bar.
4	Displays the repeat status.
5	Displays the current play index, total track number.
6	Current /Total Play Time.
7	Displays available COLOR buttons.

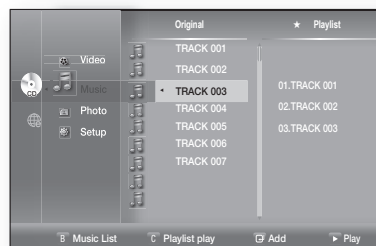
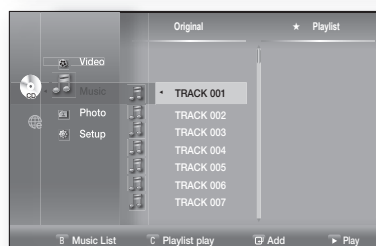
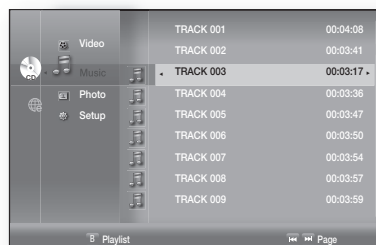
Listening to music

Playlist



You can create a playlist with up to 99 tracks.

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.
 - For an MP3 disc, press the **▲▼** buttons to select **Music**, then press the **ENTER** button.
(You can listen to mp3 files using a USB storage device)
2. To move to the Music List, press the **GREEN(B)** or **RETURN** button.
The Music List screen is displayed.
3. Press the **GREEN(B)** button to go to the Playlist.
4. Press the **▲▼** buttons to select a track, then press the **ENTER** button to add it to the Playlist. Repeat this procedure to add additional tracks.
5. If there is an undesired track in the playlist, press the **▶▲▼** button to select that track, and then press the **ENTER** button.
 - The selected track will be deleted.
6. Press the **YELLOW(C)** button to play the selected tracks.
When the track is finished, the next track will automatically play.
7. To edit the Playlist, press the **STOP** or **RETURN** button.
8. To go to the Music List, press the **RETURN** button.

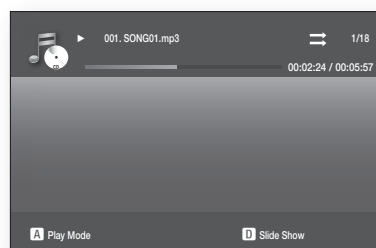


MP3 & JPEG Simultaneous playback



You can enjoy listening to MP3 files while you simultaneously view JPEG files.

1. When you play MP3 file, press the **BLUE(D)** button.
The slide show speed screen will be displayed.
2. Select the desired slide show speed.



- To operate this function, you have to select the folder containing both music and photo files.
- When you play MP3 and JPEG files simultaneously, audio drop may occur according to bitrate of MP3, size of JPEG image and method of encoding.

USING THE INTERNET RADIO FEATURE PROVIDED BY PANDORA

Pandora provides music personalized to your taste.

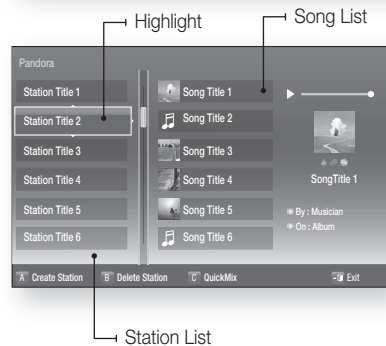
1. With the unit in Stop mode/No Disc mode, press the **MENU** button.
2. Press the **▲▼** buttons to select **Pandora**, then press the **ENTER** or **▶** button.
Pandora's initial screen appears.



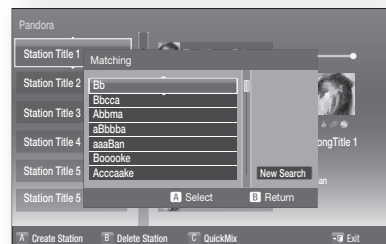
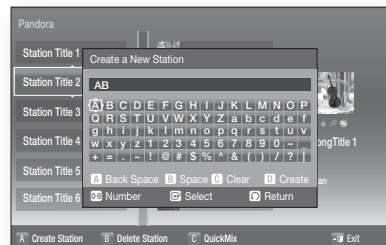
3. To run Pandora, you need to input the activation code at <<http://www.pandora.com/samsung>> page with your PC. After inputting the activation code, you may have to create a new account if you don't have one yet. If you already have an account, you can use the existing account.



4. It automatically shows the list of stations created from the web or player, and plays music.
5. Press the **RED(A)** button while the highlight is on the station list to display the create station window.



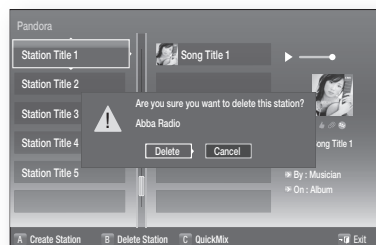
6. Enter the keyword and press the **BLUE(D)** button to display the search result. (The station keyword entered should be a music genre, artist, music title, etc.)



Listening to music

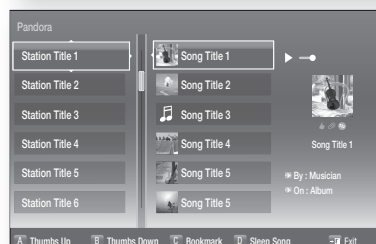
USING THE INTERNET RADIO FEATURE PROVIDED BY PANDORA

7. Press the **GREEN(B)** button while the highlight is on the station list to delete the selected station.



8. You can edit your song list by using color buttons of the remote control while the highlight is on the song list.

- **RED(A)** : Thumbs Up. By indicating your preference to the server, it plays more songs you love.
- **GREEN(B)** : Thumbs Down. By indicating your dislike to the server, it plays fewer songs you don't like.
- **YELLOW(C)** : Bookmark. It bookmarks the selected song.
 - The bookmarked songs can be found on your PC by visiting www.pandora.com and viewing "My Profile".
- **BLUE(D)** : Sleep Song. It excludes the selected song from the station for a month.

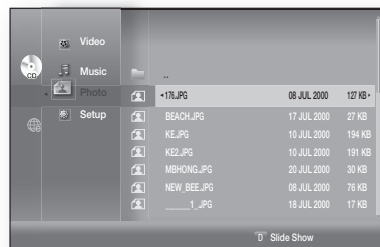


- The www.pandora.com server reflects the changes made on your player.
- In order to activate your Blu-ray Home Theater with Pandora music with the code provided, you will need an active LAN connection to both a PC and your player. To connect the network with Blu-ray Home Theater, refer to the pages 28~29.
- For further information on Pandora service or to unsubscribe the Pandora service, email "samsung-support@pandora.com".

Viewing a picture

VIEWING A PICTURE

1. Insert a JPEG disc into the Disc Slot .
 - The Menu screen is displayed.
2. Press the ▲▼ buttons to select **Photo**, then press the **ENTER** button.
 - The Photo List is displayed.
3. Press the ▲▼ buttons to select a picture.
 - To see the next page, press the SKIP (▶) button.
 - To see the previous page, press the SKIP (◀) button.



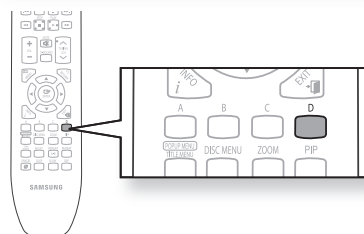
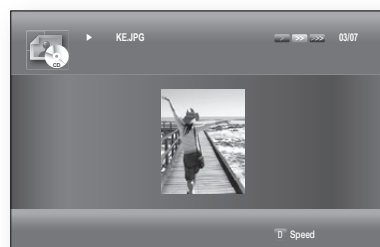
SLIDE SHOW/SPEED

To setup, follow steps 1 and 2 above.

3. Press the **BLUE(D)** button.
 - The slide show starts.
4. When the SlideShow starts, press the **BLUE(D)** button to adjust the play speed.
 - Each time you press the button, the play speed will increase accordingly.



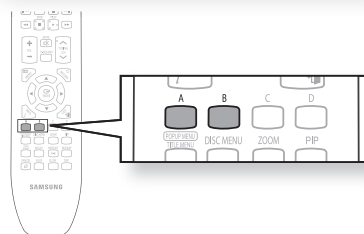
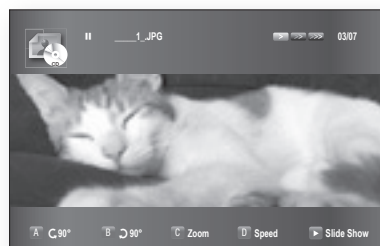
- To stop the Slide Show -
Press the **STOP** or **RETURN** button.



ROTATE

To setup, follow steps 1 and 3 above.

4. Press the **ENTER** button.
5. Use the **RED(A)** and **GREEN(B)** buttons to rotate the image in a desired direction.



Viewing a picture

ZOOM

To setup, follow steps 1 to 3 in "Viewing a Picture" on page 73.

4. Press the **ENTER** button.

5. Press the **YELLOW(C)** button.

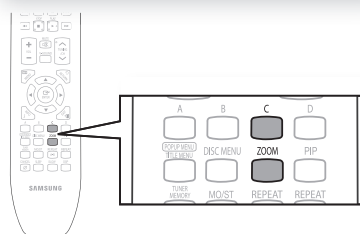
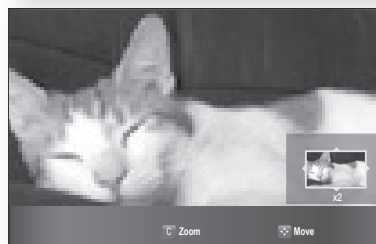
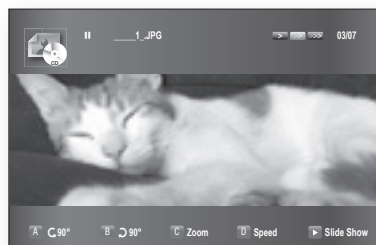
6. Use the **YELLOW(C)** or **ZOOM** button to zoom the image in/out.

- To move the area -

Press the **▲▼◀▶** buttons to the area you want to enlarge.

- To stop the Zoom -

Press the **YELLOW(C)** button.

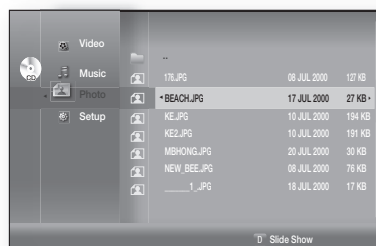
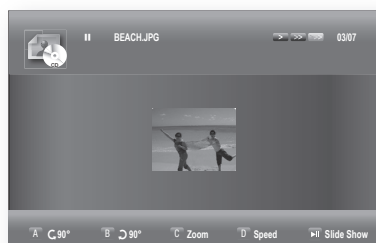


GO TO PHOTO LIST

To setup, follow steps 1 to 3 in "Viewing a Picture" on page 73.

4. Press the **ENTER** button.

5. To go Photo List, press the **RETURN** or **STOP** button.

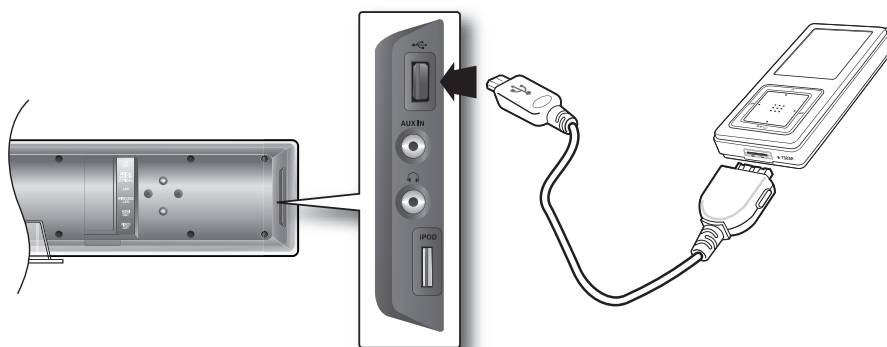


Using the USB function

PLAYING MEDIA FILES USING THE USB HOST FEATURE

You can enjoy media files such as pictures and music saved on an MP3 player, USB memory stick or digital camera.

1. Connect the USB device to the USB port on the side of the unit.
2. **USB Connected** appears on the display screen and then disappears.
3. USB icon is displayed on the Setup Menu.



Safe USB Removal

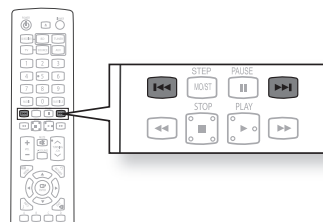
To prevent damage to the data stored in the USB device, perform safe removal before disconnecting the USB cable.

- Press the **YELLOW(C)** button. The display will show **Now**. You can remove USB safely.
- Remove the USB cable.

Skip Forward/Back

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

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



Using the USB function

USB Host Specification

USB Host Specification	<ul style="list-style-type: none">• Supports USB 1.1 or USB 2.0 compliant devices.• Supports devices connected using the USB A type cable.• Supports UMS (USB Mass Storage Device) V1.0 compliant devices.• Supports the device of which the connected drive is formatted in the FAT(FAT, FAT16, FAT32) file system.
Non-compliance	<ul style="list-style-type: none">• Does not support a device that requires installing a separate driver on the PC (Windows).• Does not support connection to a USB hub.• A USB device that is connected using the USB extension cable may not be recognized.• A USB device requiring a separate power source needs to be connected to the player with the separate power connection.
Operational Limitations	<ul style="list-style-type: none">• If the connected device has multiple drives (or partitions) installed, only one drive (or partition) can be connected.• A device supporting USB 1.1 alone may cause a difference in the picture quality, depending on the device.

USB Devices that can be used with the Home Theater

1. USB Storage Device
2. MP3 Player
3. Digital Camera
4. Removable HDD
 - Removable HDDs equipped with less than 160 Gbytes are supported. Removable HDDs equipped with 160Gbytes or more may not be recognized, depending on the device.
 - If the connected device does not work due to insufficient power supply, you can use a separate power cable to supply power so that it can work properly. The connector of the USB cable may differ, depending on the manufacturer of the USB device.
5. USB card Reader: One slot USB card reader and Multi slot USB card reader.
 - Depending on the manufacturer. the USB card reader may not be supported.
 - If you install multiple memory devices into a multi card reader, you may experience problems.

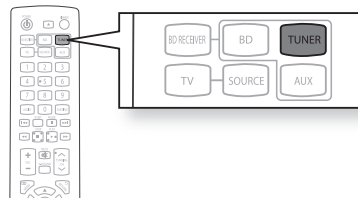
Supported file Formats

Format	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	JPG .JPEG	–	–	640x480	–
Music	MP3	.MP3	80~384kbps	–	–	44.1kHz

- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- A device using NTFS file system is not supported. (Only FAT 16/32 (File Allocation Table 16/32) file system is supported.)
- Does not operate with Janus enabled MTP (Media Transfer Protocol) devices.

LISTENING TO RADIO

1. Press the **TUNER** button to select the FM band.
2. Tune in to the desired station.
 - Automatic Tuning 1 : When the **SKIP** (⏮ ⏭) button is pressed, a preset broadcast station is selected.
 - Automatic Tuning 2 : Press and hold the **TUNING/CH** (^v) button to automatically search for active broadcasting stations.
 - Manual Tuning : Briefly press the **TUNING/CH** (^v) button to increase or decrease the frequency incrementally.

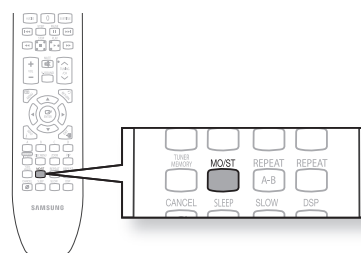


Main Unit

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

Mono/Stereo

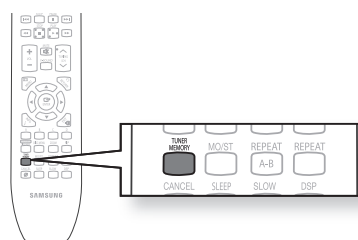
- Press the **MO/ST** button to listen in Mono/Stereo.
- Each time the button is pressed, the sound switches between **STEREO** and **MONO**.
 - In a poor reception area, select **MONO** for a clear, interference-free broadcast.



PRESETTING STATIONS

Example : Presetting FM 89.10 in the memory

1. Press the **TUNER** button to select the FM band.
2. Press the **TUNING/CH** (^v) button to select <89.10>.
3. Press the **TUNER MEMORY** button.
 - **NUMBER** flashes in the display.
4. Press the **SKIP** (⏮ ⏭) button to select preset number.
 - You can select between 1 and 15 presets.
5. Press the **TUNER MEMORY** button again.
 - Press the **TUNER MEMORY** button before **NUMBER** disappears from the display.
 - **NUMBER** disappears from the display and the station is stored in memory.
6. To preset another station, repeat steps 2 to 5.
 - To tune in to a preset station, press the **SKIP** (⏮ ⏭) button on the remote control to select a channel.



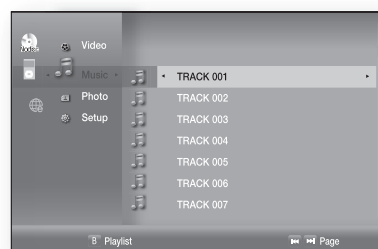
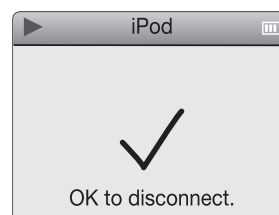
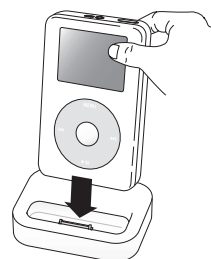
Using an iPod

You can enjoy playback of your iPod using the supplied remote control.

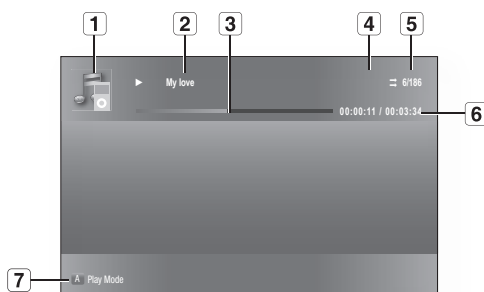
LISTENING TO MUSIC

You can play music files stored in the iPod player by connecting it to the Blu-ray Home Theater.

1. Connect the iPod dock connector to the iPod jack on the Blu-ray Home Theater.
2. Place the iPod in the Dock.
 - Your iPod is automatically turned on.
 - "iPod Connected" message appears on the TV screen.
3. Press the **MENU** button on the remote control.
4. Press the **◀, ▼** buttons on the remote control to select iPod mode.
5. Press the **▶, ▲, ▼** buttons on the remote control to select **Music** and press the **ENTER** button.
 - The **Music** categories appear.
6. Press the **▲, ▼** buttons desired category and press the **ENTER** button.
 - The music list appears on your TV.
7. Press the **▲, ▼** buttons to select the music file to play and press the **ENTER** button.
 - The music will start with a new screen which shows the song title, time, artist, and progress bar.
8. You can use the remote control or main unit to control simple playback functions such as **PLAY, PAUSE, STOP, I◀ / ▶I**, **◀◀ / ▶▶** and **REPEAT**.
 - Press the **RED(A)** button to select a desired play mode.



❖ iPod Playback Screen Elements



1	Displays the media type.
2	Current track (song) Displays the number of the track currently being played.
3	Play Status Bar.
4	Displays the repeat status.
5	Displays the current play index, total track number.
6	Current /Total Play Time.
7	Displays available COLOR buttons.

To move to the Music List and select a track:

1. Press the **MENU** or **STOP** button.
 - It stops playing and returns to the music list.
2. Press the **▲**, **▼** buttons to select the file you want to play and press the **ENTER** button.
 - Press the **RETURN** or **◀** button to return to the parent menu.

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.

Now Playing : Plays a recently played file or moves to the playback screen of the current file.

Artists : To play by artist.

Songs : To play in numeric or alphabetical order

Playlists : To play by Playlist.

Albums : To play by album.

Genres : To play by genre.

Composer : To play by composer.



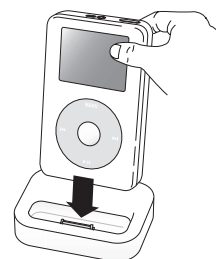
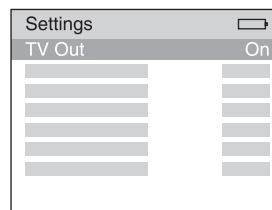
- See page 24 for compatible iPods.
Compatibility depends on the software version of your iPod.
- The category list may differ, depending on the iPod model.
- **What is an ID3 Tag?**
This is what is attached to an MP3 to carry information relevant to the file such as the title, artist, album, year, genre and a comment field.

Using an iPod

WATCHING A MOVIE

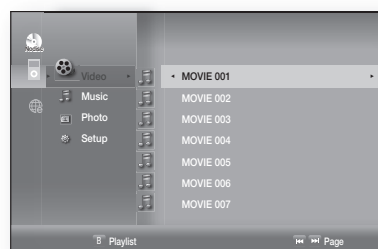
You can play video files stored in the iPod player by connecting it to the Blu-ray Home Theater.

1. Connect the iPod dock connector to the iPod jack on the Blu-ray Home Theater.
2. In the iPod screen, move to **Videos > Settings** and set the **TV Out** option to **On**.
3. Place the iPod in the Dock.
 - “iPod Connected” message appears on the TV screen.
4. Press the ◀, ▼ buttons on the remote control to select iPod mode.
5. Press the ▶, ▲, ▼ buttons on the remote control to select **Video** and press the **ENTER** button.
6. Press the ▲, ▼ buttons on the remote control to select **Movies** and press the **ENTER** button.
 - The video list appears on your TV.
7. Press the ▲, ▼ buttons to select the video file to play and press the **ENTER** button.
 - Video file of the iPod player will be played on the TV screen.
8. You can use the remote control or main unit to control simple playback functions such as **PLAY, PAUSE, STOP, ⏮ / ⏭** and **⏪ / ⏩**.
 - If you press the **PREV** button within 2 seconds after the playback, the player will play previous file.
If you press the **PREV** button 2 seconds or later after the playback, the player will move to the start screen of the current file.
 - Press the **NEXT** button to play next file.



To move to the Video List and select a file:

1. Press the **MENU** or **STOP** button.
 - It stops playing and returns to the video list.
2. Press the ▲, ▼ buttons to select the file you want to play and press the **ENTER** button.
 - Press the **RETURN** or ◀ button to return to the parent menu.



- See page 24 for compatible iPods.
Compatibility depends on the software version of your iPod.
- You must have the VIDEO output connected to your TV to view iPod video (See page 23).
- If you want to iPod video via VIDEO output, if HDMI CEC is set to on, turn it off.
- When the current file is played to the end, the next file will be played automatically.
To play the next file, select a file to play in the list screen of the iPod player.
- 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.

pc streaming function

CONNECTING TO A PC AND PLAYING MP3, JPEG OR DIVX CONTENT

The shared folder setup method may be different, depending on the PC operating system.

You can connect the Blu-ray Home Theater to a PC and play mp3, jpeg or DivX file content in a shared folder. (Refer to pages 28~29 for the connection)

1. Use a router and LAN cable or wireless LAN adapter to connect between the PC and Blu-ray Home Theater.
2. Create a shared folder in the PC and store desired mp3, jpeg or DivX files there.
 - For more detailed information about setting a shared folder, visit the Samsung website and download the "Setting the shared folder" manual from the Download center.
3. Press the **MENU** button.
4. Press the **RED(A)** button.

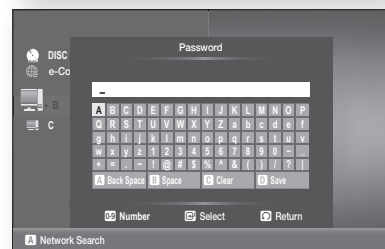
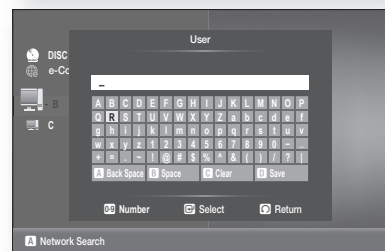
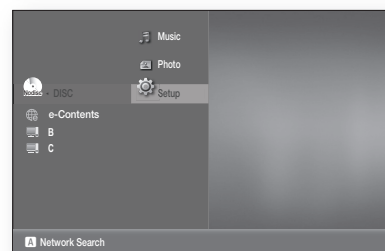
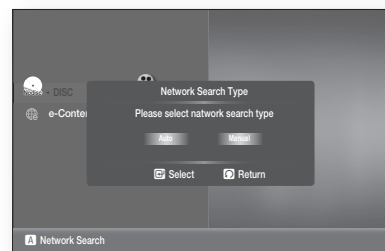
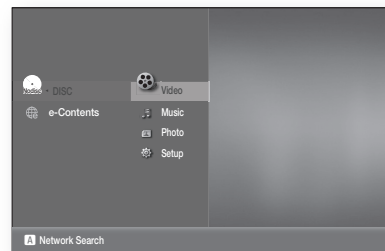
You will see a window where you can select a network search type.
5. Use the **◀ ▶** button to select a network search type. A list of shared servers will appear.
 - **Auto** : Automatically searches for an available PC.
 - **Manual** : You must enter the IP address, folder name, windows user name and password before you can find a desired PC.

6. To search a shared folder

There are 2 methods to access shared folders on a PC. (If you search a folder in Auto mode, it must contain less than 12 characters. You must select manual to search for folders with 12 or more characters.)

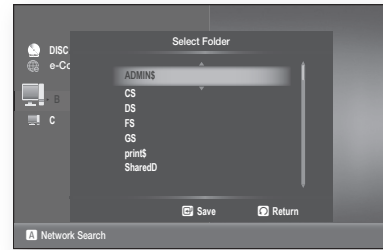
• Auto Mode

1. Press the **▲ ▼** button to select a desired PC and press the **ENTER** button. (When first connected, you must enter the window user name and password to display the shared folder.)
2. Enter the PC's user name in the window.
3. Enter the PC's password in the window. The shared folder will be displayed.



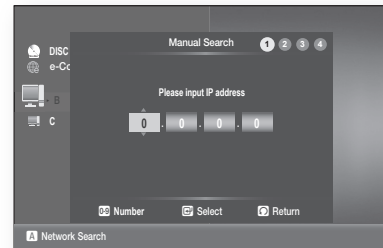
pc streaming function

4. Press the ▲▼ button to select a desired folder.

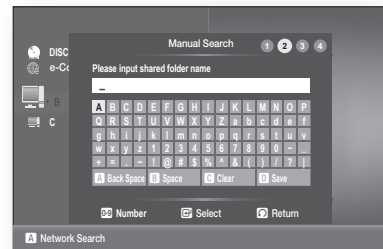


• Manual Mode

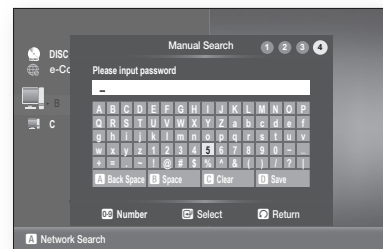
1. Enter in the IP address of the PC that has the shared folders.



2. Type in the name of the shared folder in the window then press the **BLUE (D)** button to Save.



3. Type in the PC's password then press the **BLUE (D)** button to Save.



7. Press the ► button, then press the ▲▼ button to select Video, Music or Photo.
(For playing a Video, Music or Photo, refer to pages 68~70)



- The PC name should be in English, excluding characters such as symbols.
- You can search up to 4 PCs connected to the network to play content over.
- You may experience connection problems depending on your PC environment.
 - If you encounter a problem with "Auto Mode", please try to "Manual Mode".
- If a conflict occurs between Windows XP simple file sharing and the PC streaming function of the Blu-ray Home Theater, please disable the simple file sharing.
 - For more detailed information, visit the Samsung website and download the "Setting the shared folder" manual from the Download center.
- If you experience PC streaming function problems when using a shared folder on the desktop of windows vista, visit the operating system's technical support site to change a setting or change the directory.

Convenient function

SLEEP TIMER FUNCTION

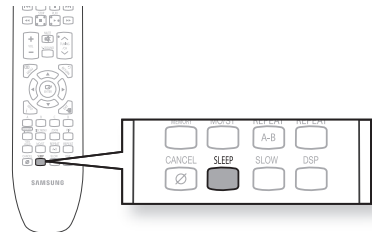
You can set the time that the Blu-ray Home Theater will shut itself off.

Press the **SLEEP** button.

- Each time the button is pressed, the preset time changes as follows : SLP 10 → 20 → 30 → 60 → 90 → 120 → 150 → OFF.

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

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



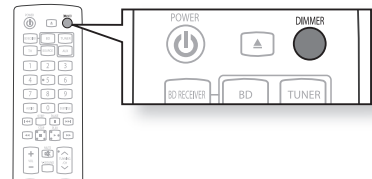
To cancel the sleep timer, press the **SLEEP** button until **OFF** appears on the display.

ADJUSTING DISPLAY BRIGHTNESS

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

Press the **DIMMER** button.

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

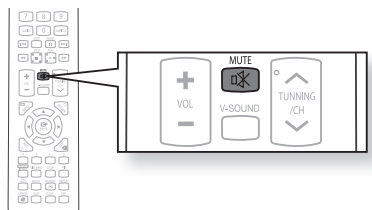


MUTE FUNCTION

This is useful when answering a doorbell or telephone call.

Press the **MUTE** button.

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



Troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact Samsung Electronics at 1-800-SAMSUNG.

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 BD/DVD. BD/DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this Blu-ray Home Theater. • 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 speaker setup correctly customized? • 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 BD/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 or radio, 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(TV/BD) functions of the remote control (TV or BD) 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.
Menu screen does not appear even when the menu function is selected.	<ul style="list-style-type: none"> • Are you using a disc that does not contain menus?

SYMPTOM	Check/Remedy
Aspect ratio cannot be changed.	<ul style="list-style-type: none"> You can play 16:9 BD/DVDs in 16:9 Wide mode, 4:3 Letter Box mode, or 4:3 Pan - Scan mode, but 4:3 BD/DVDs can be seen in 4:3 ratio only. Refer to the Blu-ray Disc jacket and then select the appropriate function.
<ul style="list-style-type: none"> The main unit is not working. (Example: The power goes out or a strange noise is heard.) The Blu-ray Home Theater is not working normally. 	<ul style="list-style-type: none"> Turn off the power and hold the STOP (■) button on the main unit for longer than 5 seconds. <p>Using the RESET function will erase all stored settings. Do not use this unless necessary.</p>
The password for rating level has been forgotten.	<ul style="list-style-type: none"> While (NO DISC) message appears on the display of main unit, hold the main unit's STOP (■) button for longer than 5 seconds. INITIAL appears on the display and all settings will return to the default values. Press the POWER button. <p>Using the RESET function will erase all stored settings. Do not use this unless necessary.</p>
Can't receive radio broadcasts.	<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.
While listening to TV audio through the Blu-ray Home Theater, no sound is heard.	<ul style="list-style-type: none"> If the EJECT button is pressed while listening to TV audio using the D.IN or AUX functions, the BD/DVD functions are turned on and this mutes the TV audio.
The ⓪ icon appears on screen.	<ul style="list-style-type: none"> The features or action cannot be completed at this time because: <ol style="list-style-type: none"> The BD/DVD's software restricts it. The BD/DVD's software doesn't support the feature (e.g., angles) The feature is not available at the moment. You've requested a title or chapter number or search time that is out of range.
If the HDMI output is set to a resolution your TV cannot support (for example, 1080p), you may not see a picture on your TV.	<ul style="list-style-type: none"> Press the STOP (■) button (in front panel) for more than 5 seconds with no disc inside. All settings will revert to the factory settings.
No HDMI output.	<ul style="list-style-type: none"> Check the connection between the TV and the HDMI jack of the Blu-ray Home Theater. Check if your TV supports 480p/720p/1080i/1080p HDMI input resolution.
Abnormal HDMI output screen.	<ul style="list-style-type: none"> If random noise appears on the screen, it means that TV does not support HDCP (High-bandwidth Digital Content Protection).
Cannot search for other access points using USB wireless	<ul style="list-style-type: none"> Check the Proxy is Off(Setup -> Network Setup -> Proxy)

Appendix

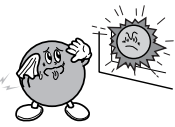
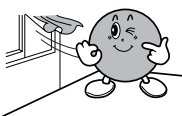
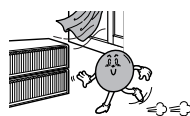
CAUTIONS ON HANDLING AND STORING DISCS

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

Handling discs

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

Disc Storage

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

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

Handling and Storing Discs

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

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

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

SPECIFICATIONS

General	Power Requirements	AC 120V, 60Hz		
	Power Consumption	100 W		
	Weight	7.0 lbs		
	Dimensions	18.1 (W) x 7.6 (D) x 4.3 (H) inches		
	Operating Temperature Range	+41°F to +95°F		
	Operating Humidity Range	10 % to 75 %		
FM Tuner	Signal / noise ratio	70 dB		
	Usable sensitivity	10 dB		
	Total harmonic distortion	0.5 %		
Disc	BD (Blu-ray Disc)	Reading Speed : 4.917m/sec		
	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.		
	CD : 5 inches (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min.		
	CD : 3 1/2 inches (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 20 min.		
Video Output	Composite Video	1 channel : 1.0 Vp-p (75 Ω load)		
		Blu-ray Disc : 480i	DVD : 480i	
Video/Audio	HDMI	1080p, 1080i, 720p, 480p		
		PCM multichannel audio, Bitstream audio, PCM audio		
Amplifier	Main unit output	100W/CH, 3Ω, THD=10%, 1KHz		
	Subwoofer speaker output	100W/CH, 3Ω, THD = 10%, 120Hz		
	Frequency response	Analog input	20Hz~20kHz (±3dB)	
		Digital input/48kHz PCM	20Hz~44kHz (±3dB) ... based on TV	
	S/N Ratio	70dB		
	Channel separation	60dB		
	Input sensitivity	400mV		
Subwoofer	Impedance	47KΩ		
	Frequency range	140Hz~20kHz		
	Output sound pressure level	88dB/W/M		
	Dimensions (W x H x D)	11.4 x 14.6 x 11.6 inches		
	Weights	16.1 lbs		

*: Nominal specification

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