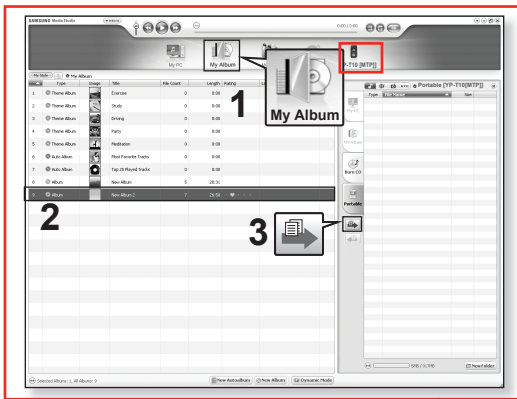



CREATING AN ALBUM (PLAYLIST) USING SAMSUNG MEDIA STUDIO (Continued)

Transferring an Album (Playlist) to your player using Media Studio



1. Click <My Album> on the top of <Media Studio>.
 - The <My Album> window appears.
2. Select an album in the <My Album> list.
3. Click .
 - The selected album will be transferred to the player folder by folder in <File Browser> of the main menu → <Playlists>.




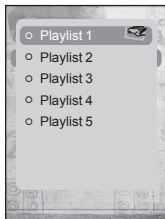
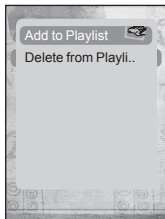
NOTE

- The player can play up to 400 playlists and up to 400 music files for each playlist.


CREATING A PLAYLIST ON YOUR MP3 PLAYER

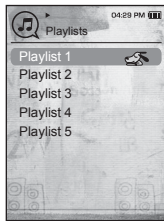
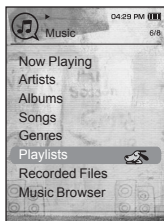
If you've already downloaded files to your mp3 player, you can create a "Favorites" playlist without Media Studio or your PC.

1. Press and briefly hold [**↔**] to move to the main menu screen.
 2. Tap [**< >**] to select **<File Browser>** and tap [**⊙**].
 3. Tap [**^ v**] to select **<Music>** and tap [**⊙**].
 - The music file appears.
 4. Tap [**^ v**] to select a file to add to the favorite list and tap [**⊕**].
 - The Playlist menu appears.
 5. Tap [**^ v**] to select **<Add to Playlist>** and tap [**⊙**].
 - <Playlist 1> to <Playlist 5> appears.
 6. Tap [**^ v**] to select a playlist number to add the selected file and tap [**⊙**].
 - The selected file will be added to the playlist.
 - You can check the playlist in <Music> → <Playlists> → <Playlist 1> to <Playlist 5> in the main menu.
-  **NOTE** ▪ You can add up to 200 music files to each playlist (<Playlist 1> to <Playlist 5>).



PLAYING A PLAYLIST

1. Press and briefly hold [**↵**] to move to the main menu screen.
 2. Tap [**<** **>**] to select **<Music>** and tap [**⦿**].
 - The music list appears.
 3. Tap [**^** **∨**] to select **<Playlists>** and tap [**⦿**].
 - The Playlists appears.
 4. Tap [**^** **∨**] to select the playlist of your choice and tap [**⦿**].
 - Music files stored in the selected playlist appear.
 - If there is no playlist found, you will see a **<No file>** message on the screen.
 5. Tap [**^** **∨**] to select a music file to play, then tap [**⦿**].
 - The music file will start playing.
-  ▪ See pages 39 and 41 to see how to transfer the playlist using **<Media Studio>**.



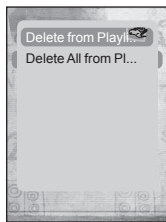
DELETING A FILE FROM THE PLAYLIST

1. Press and briefly hold [**↵**] to move to the main menu screen.
2. Tap [**<** **>**] to select **<Music>** and tap [**⦿**].
 - The music list appears.
3. Tap [**^** **∨**] to select **<Playlists>** and tap [**⦿**].
 - The playlist(s) appears.
4. Tap [**^** **∨**] to select the playlist of your choice and tap [**⦿**].
 - Music files stored in the selected playlist appear.
5. Tap [**^** **∨**] to select a file to delete from the playlist and tap [**⊞**].
 - The playlist menu appears.
6. Tap [**^** **∨**] to select **<Delete from Playlist>** and tap [**⦿**].
 - The selected file is deleted from the playlist.



NOTE

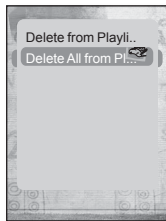
- The selected file in the playlist cannot be deleted while its playing back.



DELETING ALL FILES FROM THE PLAYLIST

Follow the steps 1-4 above.

5. Tap [**⊞**].
 - The playlist menu appears.
6. Tap [**^** **∨**] to select **<Delete All from Playlist>** and tap [**⦿**].
 - All files are deleted from the playlist.



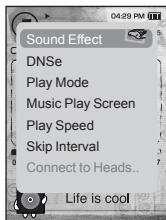
USING THE MUSIC MENU

The Music menu allows you manage all facets of listening - from repeating tracks and albums to choosing the background on the screen as you listen.

To set the sound effect

You can enjoy clearer sound.

1. Tap [⌂] while listening to music.
 - The <Music> menu appears.
2. Tap [◀ ▶] to select <Sound Effect> and tap [⦿].
 - The <Sound Effect> menu appears.
3. Tap [^ ∨] to select the desired sound effect and tap [⦿].



Sound Effect Options

- **Street Mode** : Allows you to hear the music outdoors clearly by filtering out some of the street noise. Select either <Off> or <On>.
- **Clarity** : You can enjoy clearer sound with improved quality. Select from 0 - 2.



- To exit the menu, tap [⌂].

NOTE

USING THE MUSIC MENU (Continued)

To set the Digital Natural Sound engine (DNSe)

Select the right sound for each music genre.

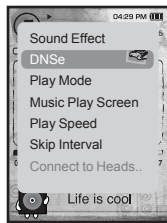
1. Tap [⊘] while listening to music.
 - The <Music> menu appears.
2. Tap [^ v] to select <DNSe> and tap [⊙].
 - The <DNSe> menu appears.
3. Tap [^ v] to select a desired DNSe and tap [⊙].
 - Select from <Normal>, <Studio>, <Rock>, <Classical>, <Jazz>, <Ballad>, <Rhythm & Blues>, <Club>, <Dance>, <Concert Hall> and <User>.
 - You can set <EQ> and <3D&Bass> when you have selected <User>.



NOTE

What is DNSe?

Digital Natural Sound Engine (DNSe) is a sound effect function for MP3 players developed by Samsung. It provides various sound settings to enhance the type of music you're listening to.



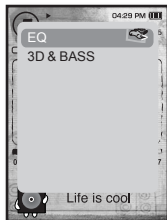
USING THE MUSIC MENU (Continued)

To set the Digital Natural Sound engine (DNSe) (Continued)

<EQ>

You can adjust individual sound frequencies to your preference.

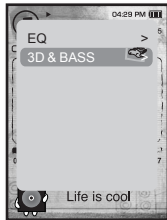
1. Tap [^ v] in the DNSe menu to select <User> and tap [>].
2. Tap [^ v] to select <EQ> and tap [●].
 - The EQ setting screen appears.
3. Tap [< >] to select the frequency you want to adjust and tap [^ v] to adjust the selected frequency's level.
 - The frequencies that can be adjusted are <60Hz>, <150Hz>, <400Hz>, <1KHz>, <3KHz>, <8KHz>, <14KHz>.
 - You can select from -10 to +10 for <EQ>.
4. Tap [●].
 - The setting is completed.



<3D&BASS>

You can set the 3D surround sound and bass boost level.

1. Tap [^ v] in the DNSe menu to select <User> and tap [>].
2. Tap [^ v] to select <3D & BASS> and tap [●].
 - The <3D & BASS> setting screen appears.
3. Tap [< >] to select <3D> or <BASS> and tap [^ v].
 - You can select a <3D> level from 0 to 4, and <BASS> from 0 to 4.
4. Tap [●].
 - The setting is completed.

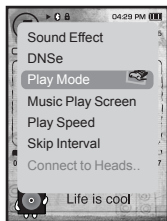


USING THE MUSIC MENU (Continued)

To set the play mode

Select playback mode such as repeat settings.

1. Tap [⊞] while listening to music.
 - The music menu appears.
2. Tap [^ ∨] to select <Play Mode> and tap [⦿].
 - The <Play Mode> menu appears.
3. Tap [^ ∨] to select the desired mode and tap [⦿].
 - Select from <Normal>, <Repeat>, <Repeat One> and <Shuffle>.



Play Mode Options

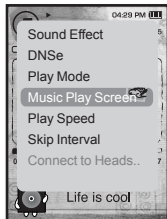
- **Normal** : To play all the tracks in order one time.
 - **Repeat** : To repeat all files in the current folder.
 - **Repeat One** : To repeat one file.
 - **Shuffle** : To play files at random.
-

USING THE MUSIC MENU (Continued)

To select the music play screen

Choose a background image from those provided, or choose an image of your own to be displayed as you listen to music.

1. Tap [⊞] while listening to music.
 - The music menu appears.
2. Tap [^ v] to select <Music Play Screen> and tap [⊙].
 - The <Music Play Screen> menu appears.
3. Tap [^ v] to select a desired music play screen and tap [⊙].
 - Select from <Type 1>, <Type 2>, <Type 3>, <Type 4>, <Album Art> and <Album Info.>.



Music Play Screen Options

- **Type 1 ~ Type 4** : You can select a desired music play screen.
- **Album Art** : The album cover image displays if an album cover image is included in the ID3 Tag information of the music file.
Album Cover images less than 200 pixel (horizontal) x 200 pixel(vertical) in size are supported.
- **Album Info.** : Information on the artist name, album and genre displays if ID3 Tag information is stored on the music file.



NOTE

- If you set <Sammy> in <Menu Design>, <Album Art> can not be displayed.

▪ 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 THE MUSIC MENU (Continued)

To set the play speed

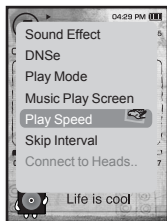
Speed up or slow down your favorite music by adjusting the play speed.

1. Tap [⊞] while listening to music.
 - The music menu appears.
2. Tap [^ v] to select **<Play Speed>** and tap [⊙].
 - The <Play Speed> menu appears.
3. Tap [^ v] to select a desired play speed and tap [⊙].
 - Select from <X 0.7>, <X0.8>, <X 0.9>, <X 1.0(Normal)>, <X 1.1>, <X 1.2> and <X 1.3>.
 - The higher the number is, the faster the speed is.



NOTE

- The adjusted play speed may differ from the actual speed, depending on the file.



To set the skip interval

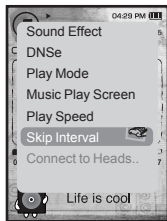
You can fast forward through a file at various intervals. Skip a whole track or skip several seconds at a time.

1. Tap [⊞] while listening to music.
 - The music menu appears.
2. Tap [^ v] to select **<Skip Interval>** and tap [⊙].
 - The <Skip interval> menu appears.
3. Tap [^ v] to select a desired skip interval and tap [⊙].
 - Select from <1 Song>, <5sec>, <10sec>, <30sec> and <1min>.



NOTE

- If the file was developed with a variable bit rate, the actual length of the skip interval may not be exactly what you select.



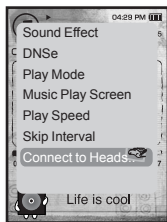
USING THE MUSIC MENU (Continued)

- ★ **Before you start** - Use only the Bluetooth-certified stereo headset. Check if the stereo headset has been registered. <Connect to Headset> appears when there is a registered headset. For more information, refer to <Using a Bluetooth Stereo Headset>. See page 81


To connect a Bluetooth stereo headset

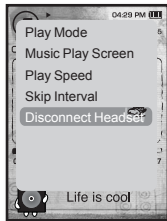
You can connect directly to the registered Bluetooth stereo headset during music playback.

1. Tap [☰] while listening to music.
 - The music menu appears.
2. Tap [^ v] to select <Connect to Headset> and tap [⦿].
 - If <Bluetooth Mode> is set to <Off>, it will be changed to <On>.
 - When the connection is successfully done, you will see the [📶] icon on the screen.
 - You can listen to music through the stereo headset.



To disconnect the Bluetooth stereo headset

1. Tap [☰] while listening to music.
 - The music menu appears.
 2. Tap [^ v] to select <Disconnect Headset> and tap [⦿].
 - The headset is disconnected.
-  **NOTE** ▪ Some menu will not be selected while the player is connecting to the Bluetooth stereo headset.



watching a video



- **Before you start** - Connect the earphones, then turn on the player, and check the battery. Transfer a video file to the player. See pages 34~36




NOTE

- Tap [↩] to move to the previous screen.
Press and briefly hold the tap [↩] to move to the main menu screen.

1. Press and briefly hold [↩] to move to the main menu screen.
2. Tap [◀ ▶] to select <Videos> and tap [⏏].
 - The video list appears.
3. Tap [^ ∨] to select a video to play and tap [⏏].
 - The selected video file starts to play horizontally.



TO PAUSE PLAYING DURING THE PLAYBACK

1. Tap [⏏] during a video playback.
 - The player pauses playing.
 2. Tap [⏏] again.
 - The video resumes playing from the last played point.
-  NOTE
- When transferring a video file to the player using <Media Studio>, it is automatically converted into SVI format before transfer. The file size is automatically adjusted, too.

TO MOVE TO A SPECIFIC FRAME

1. In horizontal view, press and briefly hold [**<** >].
 - This enables you to move backwards or forwards in the current video file.
2. Release the button when you have moved to the position you want.
 - The video starts playing from the position.



TO PLAY THE PREVIOUS VIDEO FILE

1. Tap [**<**] within 3 seconds after the current file started playing.
Tap [**<**] twice 3 seconds after the current file started playing.
 - This will return to the previous movie.



TO PLAY THE NEXT VIDEO FILE

1. Tap [**>**].
 - This will move to the next movie.



USING THE VIDEO MENU (Continued)

To adjust the brightness

You can adjust the screen brightness.

1. Tap [⊞] during a video playback.
 - The Video menu appears.
2. Tap [^ v] to select **<Brightness>** and tap [⊙].
 - The **<Brightness>** menu appears.
3. Tap [^ v] to select a desired brightness and tap [⊙].
 - Select from **<0~10>**.



To set the Digital Natural Sound engine (DNSe)

Select the right sound for each video genre.

1. Tap [⊞] during a video playback.
 - The Video menu appears.
2. Select **<DNSe>** and tap [⊙].
 - The **<DNSe>** menu appears.
3. Tap [^ v] to select a desired DNSe and tap [⊙].
 - Select from **<Normal>**, **<Drama>** and **<Action>**.



NOTE

▪ What is DNSe?

Digital Natural Sound Engine (DNSe) is a sound effect function for MP3 players developed by Samsung. It provides various sound settings to enhance the type of music you're listening to.

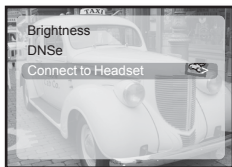
USING THE VIDEO MENU

- ★ **Before you start** - Use only the Bluetooth-certified stereo headset. Check if to make sure your Bluetooth stereo headset has been registered. <Connect to Headset> appears when there is a registered headset. For more information, refer to <Using a Bluetooth Stereo Headset>. See page 81

To connect a Bluetooth stereo headset

You can directly connect to a registered Bluetooth headset during video playback.

1. Tap [⊞] during a video playback.
 - The Video menu appears.
2. Select <Connect to Headset> and tap [⦿].
 - If <Bluetooth Mode> is set to <Off>, it will be changed to <On>.
 - When the connection is successfully done, you will see the [⦿] icon on the screen.
 - You can enjoy listening to audio on video file via the stereo headset.



To disconnect the Bluetooth stereo headset

1. Tap [⊞] during a video playback.
 - The Video menu appears.
2. Select <Disconnect Headset> and tap [⦿].
 - The headset is disconnected.



NOTE

- Some menu will not be selected while the player is connecting to the Bluetooth stereo headset.



viewing pictures



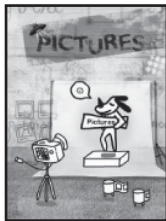
- **Before you start** - Connect the earphones, then turn on the player, and check the battery.



NOTE

- Tap [↔] to move to the previous screen.
Press and briefly hold the tap [↔] to move to the main menu screen.

1. Press and briefly hold [↔] to move to the main menu screen.
2. Tap [◀ ▶] to select <Pictures> and tap [⦿].
 - The picture preview window appears.
3. Tap [^ ∨ ◀ ▶] to select the picture you want to look at and tap [⦿].
 - The selected picture will be displayed.
 - Tap [↔] to move to the preview window.




To move to the previous/next picture

1. In horizontal view, tap [◀ ▶].
 - The previous/next picture will be displayed.



NOTE

- A JPG file including incorrect thumbnail data will be displayed in .
- Some picture can be displayed slowly.
- When transferring a picture file to the player using <Media Studio>, it is automatically converted into JPG format before transfer. The file size is automatically adjusted, too.
- You can also use the <File Browser> to search for a picture. See page 23.

USING THE PICTURE MENU



NOTE

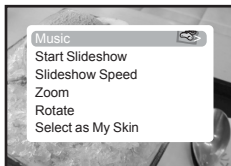
- To exit the menu, tap [⌫].

To listen to music while viewing your picture

You can listen to the song that you last played while viewing your picture.


1. Tap [⌫] while viewing a picture.
 - The Picture menu appears.
2. Tap [^ ∨] to select <Music> and tap [⊙].
 - The <Music> menu appears.
3. Tap [< >] to select <Off> or <On> and tap [⊙].

- <Off> : No background music is played while viewing a picture.
- <On> : You can listen to the music that you last played while viewing your picture.




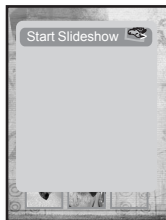
To watch a slideshow

How To 1

1. Tap [⌫] while viewing a picture.
 - You will see  on the screen and then the player will start the slideshow.

How To 2

1. In the picture preview mode, tap [⌫].
 - The Start Slideshow window appears.
2. Tap [⊙].
 - You will see  on the screen and then the player will start the slideshow.



USING THE PICTURE MENU (Continued)

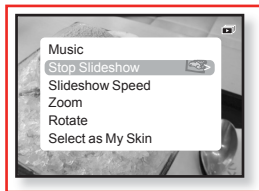
To stop the slideshow

How To 1

1. In the slideshow mode, tap [⦿].
 - The slideshow stops.

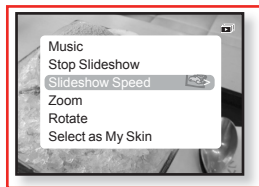
How To 2

1. In the slideshow mode, tap [☰].
 - The Picture menu appears.
2. Tap [^ ∨] to select <Stop Slideshow> and tap [⦿].
 - The slideshow stops.



To set the slideshow speed

1. Tap [☰] while viewing a picture.
 - The Picture menu appears.
2. Tap [^ ∨] to select <Slideshow Speed> and tap [⦿].
 - The <Slideshow speed> menu appears.
3. Tap [^ ∨] to select a desired speed and tap [⦿].
 - Select from <Fast>, <Normal> and <Slow>.

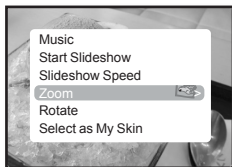


USING THE PICTURE MENU (Continued)

To enlarge a picture

You can zoom in a picture.

1. Tap [⊞] while viewing a picture.
 - The Picture menu appears.
2. Tap [^ v] to select <Zoom> and tap [⦿].
 - The <Zoom> menu appears.
3. Tap [^ v] to select a desired scale factor and tap [⦿].
 - Select from <100%>, <200%> and <400%>.
4. Tap [^ v < >] to move to the portion of the picture to magnify.



To cancel the zooming

How To 1

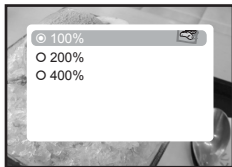
1. Tap [⦿] in an enlarged picture view.
 - This returns to the original size

How To 2

1. Tap [⊞] in an enlarged picture view.
 - The Picture menu appears.
 2. Tap [^ v] to select <Zoom> and tap [⦿].
 - The <Zoom> menu appears.
 3. Tap [^ v] to select <100%> and tap [⦿].
 - This returns to the original size
- A big picture file may take awhile to zoom.



NOTE

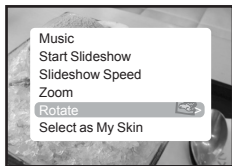


USING THE PICTURE MENU (Continued)

To rotate a picture

You can rotate a picture for your convenience.

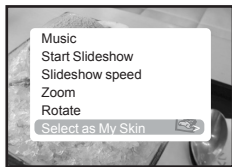
1. Tap [⊞] while viewing a picture.
 - The Picture menu appears.
2. Tap [^ v] to select <Rotate> and tap [⊙].
 - The <Rotate> menu appears.
3. Tap [^ v] to select a desired angle and tap [⊙].
 - Select from <Left 90°>, <Right 90°> and <180°>.



To set a picture as a background image

You can set a desired picture as a background image for the display window.

1. Select a picture file to set as a background image.
 - The Picture menu appears.
2. Tap [^ v] to select <Select as My Skin> and tap [⊙].
 - The save confirmation window appears.
3. Tap [< >] to select <Yes> and tap [⊙].
 - The selected picture file will be set to the background image.
 - If <My Skin> is selected from <Settings>→ <Menu Style>→ <Menu Design>, the set image will be displayed.



listening to FM Radio



- **Before you start** - Connect the earphones, then turn on the player, and check the battery.



NOTE

- Tap [↔] to move to the previous screen.
Press and briefly hold the tap [↔] to move to the main menu screen.

1. Press and briefly hold [↔] to move to the main menu screen.
2. Tap [< >] to select <FM Radio> and tap [⊙].
 - FM radio reception will start.



TO USE THE MUTE FUNCTION

Tap [⊙] while listening to FM Radio.

- Sound is muted.

Tap [⊙] once again to resume listening.

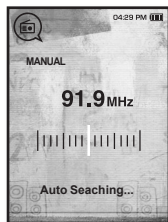


NOTE

- Always connect your earphones to the player when searching or setting frequencies. The earphones serve as antennas to receive FM Radio reception.
- In poor reception areas, the player may not find an available FM frequency.
- The Bluetooth function cannot be used while you are listening to FM Radio.

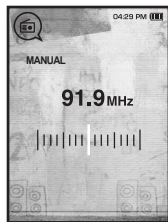
TO SEARCH FOR FM STATIONS

1. Press and briefly hold [**< >**] and then release in Manual mode.
 - <Auto Searching...> appears on the display.
The search will stop at the frequency nearest from the point the button is released.



OR,

1. Tap [**< >**] to progress through the frequencies one by one in Manual mode.
 - Moves to frequencies whenever the button is pressed.



USING THE FM RADIO MENU

To switch to Preset Mode

Select this mode if you want to search through your saved FM presets one preset at a time.

1. Tap [⊞] in Manual mode.
 - The FM Radio menu appears.
2. Tap [^ v] to select <Go to Preset Mode> and tap [●].
 - You will see <PRESET> on the screen.



NOTE

▪ If no preset frequencies are set, you will see <No preset> and the player will not switch to <Preset Mode>.

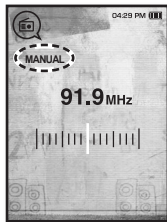
▪ If you select <Default Set> from <Settings> → <System>, all preset frequencies will be deleted.



To switch to Manual Mode

Select this mode if you want to manually search through the FM band one frequency at a time.

1. Tap [⊞] in Preset mode.
 - The FM Radio menu appears.
2. Tap [^ v] to select <Go to Manual Mode> and tap [●].
 - You will see <MANUAL> on the screen.



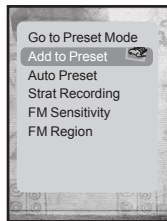
USING THE FM RADIO MENU (Continued)

To store stations in the Preset memory

You can store up to 30 stations in your MP3 player's memory and return to them with the press of just one number. Have the MP3 player choose only the stations you want using the manual process, or find and store the local stations automatically.

Manual - choose only the stations you want to store

1. Tap [< >] to select the desired frequency in Manual mode.
 - The FM Radio menu appears.
2. Tap [⏏].
3. Tap [^ v] to select <Add to Preset> and tap [⏏].
 - The selected frequency will be added to the preset list with the [.] symbol on the selected frequency bar.
4. To set a preset for other frequencies, follow steps 1-3 above.



NOTE

- If the same frequency is already set, the <This preset already exists> message appears and the setting is disabled.

USING THE FM RADIO MENU (Continued)

To store stations in the Preset memory (continued)

Automatic - automatically store all the stations the player receives

1. Tap [⊞] in FM Radio mode.
 - The FM Radio menu appears.
2. Tap [^ ∨] to select <Auto Preset> and tap [⊙].
 - The confirmation window appears.
3. Tap [< >] to select <Yes> and tap [⊙].
 - The <Auto Preset> will appear and up to 30 frequencies are automatically set.



To cancel Auto Preset

If you want to cancel the auto preset, tap [⊙] in the process.

- The auto preset setting is canceled, and only frequencies set up to that point are stored.



- You may want to re-set the stored stations if you're going to listen to your MP3 player in a different city. To delete the preset stations and store new ones, simply repeat the process.

USING THE FM RADIO MENU (Continued)

To listen to preset stations

While in Preset mode, tap [< >] to scroll through preset stations.

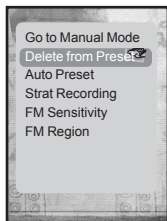
- You can listen to the stored radio frequency.



To delete a preset

Follow the steps below to delete frequencies while listening to FM Radio.

1. While in Preset mode, tap [< >] to search for a preset frequency to delete and tap [⏏].
 - The <FM Radio> menu appears.
2. Tap [^ v] to select <Delete from Preset> and tap [⏏].
 - The selected frequency will be deleted.
3. To set a preset for other frequencies, follow steps 1-2 above.

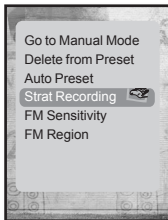


USING THE FM RADIO MENU (Continued)

To record FM Radio broadcasting

You can record FM radio broadcasting at any time while listening to the radio.

1. Tap [< >] to select a frequency to record in FM Radio mode and tap [⏏].
 - The <FM Radio> menu appears.
2. Tap [^ v] to select <Strat Recording> and tap [⏏].
 - The file name is displayed and the player starts recording.



To stop FM recording

1. Tap [⏏] during the recording.
 - A message appears asking you if you want to listen to the file you just recorded.
2. Tap [< >] to select <Yes> or <No> and tap [⏏].
 - Selecting <Yes> will play the just recorded file.
 - Selecting <No> will not play the recorded file.
 - The recorded file is stored in <File Browser> → <Recorded Files>.



NOTE

- You can store a maximum of 999 files for FM radio recording.
- You can make a recording for up to approximately 23 hours (based on 96Kbps, 1GB)
- The recording file name will be automatically specified such as "FM_000.mp3". Where "FM" indicates the file is a FM recording and "000" is the recording file number.

USING THE FM RADIO MENU (Continued)

To set the FM sensitivity

To receive more or fewer FM radio frequencies, adjust the FM sensitivity.

1. Tap [⊞] in the FM Radio Mode.
 - The <FM Radio> menu appears.
2. Tap [^ v] to select <FM Sensitivity> and tap [⦿].
 - The <FM Sensitivity> menu appears.
3. Tap [^ v] to select the search level and tap [⦿].
 - Select from <High>, <Middle> and <Low>.
 - When you select <High>, more frequencies will be received.

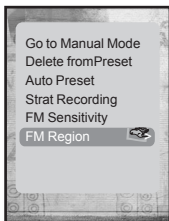


USING THE FM RADIO MENU (Continued)

To set the FM region

You can change an FM region setting in preparation for overseas travel.

1. Tap [⊞] in FM Radio mode.
 - The FM Radio menu appears.
2. Tap [^ ∨] to select **<FM Region>** and tap [⊙].
 - The <FM Region> menu appears.
3. Tap [^ ∨] to select your regional area for FM radio and tap [⊙].
 - Select from <Korea/US>, <Japan> and <Other Countries>.



NOTE

- Your previously stored radio frequencies will be deleted when you change the <FM Region> on your player.
- Frequency range by region
 - Korea/US: Search for FM frequencies in 100 kHz increments between 87.5 MHz~108.0 MHz.
 - Japan: Search for FM frequencies in 100 kHz increments between 76.0 MHz~108.0 MHz.
 - Other Countries: Search for FM frequencies in 50 kHz increments between 87.50 MHz~108.00 MHz.

using the datacast

Using <Media Studio>, you can transfer blog information and files registered on RSS to the player for your entertainment.



NOTE

▪ What is RSS?

RSS stands for Rich Site Summary or Really Simple Syndication. It is a xml-based data transmission system used to deliver information on frequently updated web sites such as news and blogs to users in a more convenient and easier way.

▪ What is Datacasts?


You can automatically receive updated information without having to visit your frequently visited news, blog and UCC sites every time.

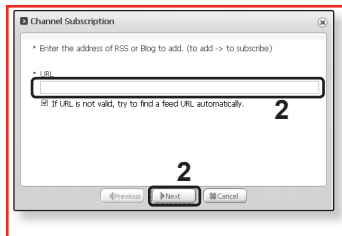


▪ **Before you start** - <Media Studio> must be installed on your PC. See [page 33](#).

REGISTERING A CHANNEL

You can create a new channel by registering RSS-supported web sites or web pages.

1. Click the <**Subscribe**> on the bottom of the <**My Cast**> of <Media Studio>.
2. Enter an address in the <URL> and Click <▶ Next>.
 - When you copy a web address and click <**Register a Channel**>, the copied address is displayed automatically in the <URL>.
 - The setting confirmation window appears if the Web address supports RSS.
3. Click <OK>.
 - The channel you want is registered.
 - The  icon appears in My Cast for the registered channel.



CREATING A NEW CHANNEL GROUP

You can create a new group to manage your own channels.

1. Click **<New Group>** on the bottom of **<My Cast>** of **<Media Studio>**.
2. Type in a group name and description and click **<OK>**.



TRANSFERRING A DATACAST FROM <MEDIA STUDIO>



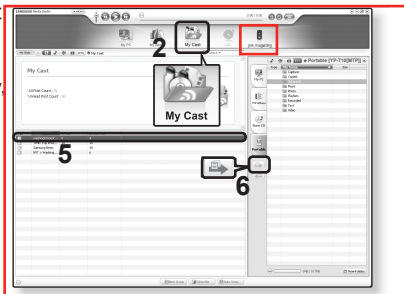
▪ **Before you start** - Connect the player to your PC.

<Media Studio> must be installed on your PC. See [page 33](#).


1. **<Media Studio>** will automatically start when the player is connected to your PC.

▪ If the program does not start automatically, double click the **<Media Studio>** icon on the desktop.

2. Click **<My Datacast>** on the top of **<Media Studio>**.
 - My Datacast group channel list appears.
3. Click a desired group channel.
4. Click a desired channel.
5. Select the post you want to transfer.
6. Click the icon.
 - The Post of the selected channel will be transferred to the player in **<File Browser>** → **<Datacasts>**.



NOTE

- Click  on the top of **<Media Studio>** to move to the previous screen.
- In **<My Cast>** of **<Media Studio>**, if the post has the attachment, you can download the attachment to the player. However, the attachment may not be downloaded, depending on the policy of the applicable website.

VIEWING DATACASTS

You can view channel posts added to <My Cast>.

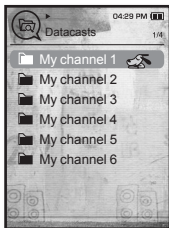
- ★ Before you start - Transfer the post of a desired channel to the player using <Media Studio>. See page 71
- ✍ NOTE Tap [↩] to move to the previous screen.
Press and briefly hold the [↩] to move to the main menu screen.

1. Press and briefly hold [↩] to move to the main menu screen.
2. Tap [< >] to select <Datacasts> and tap [⊙].
 - The Datacasts list appears.
3. Tap [^ v] to select a desired group channel and tap [⊙].
 - The title is the same as that of the channel added to <My Cast> in <Media Studio>.
4. Tap [^ v] to select a desired channel and tap [⊙].
 - The file list appears.



-
- 📄 icon : main text for the transferred post
 - 🖼 icon : picture file
 - 🎵 icon : music file
 - 🎬 icon : movie file
-

5. Tap [^ v] to select a desired post and tap [⊙].
 - The selected post will be played.



enjoying the Prime Pack

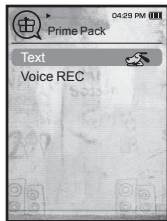
Prime Pack enables you to enjoy various functions such as reading text, the alarm setting and viewing the calendar or world clock.

READING TEXT

Whether it's a novel, the manuscript of a new story, or your research paper, your mp3 player allows you to read it... all while listening to music!

- ★ **Before you start** - Turn on the player and check the battery capacity. Transfer text files to the player using <Media Studio>. See page 34.
- NOTE Tap [↔] to move to the previous screen.
Press and briefly hold the [↔] to move to the main menu screen.

1. Press and briefly hold [↔] to move to the main menu screen.
2. Tap [< >] to select <Prime Pack> and tap [●].
 - The <Prime Pack> list appears.
3. Tap [^ v] to select <Text> and tap [●].
 - The text file list appears.
4. Tap [^ v] to select a desired text file and tap [●].
 - You will see the text on the screen.



To move to previous/next page

Tap [< >].

- Press and briefly hold [< >] to move continuously to the previous / next page.

- NOTE Your mp3 player supports the TXT file format in Text mode.
- You can also use the <File Browser> to search for a text file.

USING THE TEXT MENU



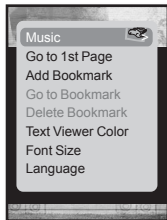
NOTE

- To exit the menu, tap [⌂].

To listen to music while viewing your text

You can listen to the music that you last played while viewing your text.

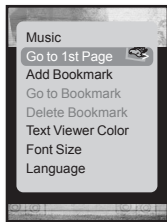
1. Tap [⌂] while viewing a text.
 - The Text menu appears.
2. Tap [^ ∨] to select **<Music>** and tap [⦿].
 - The **<Music>** menu appears.
3. Tap [◀ ▶] to select a desired mode and tap [⦿].
 - **<Off>** : No background music is played while viewing your text.
 - **<On>** : You can listen to the music that you last played while viewing your text.



To move to the first page

Use this if you want to view the text from the first page.

1. Tap [⌂] while viewing a text.
 - The Text menu appears.
2. Tap [↶ ↷] to select **<Go 1st page>** and tap [⦿].
 - You will see the confirmation window to move to the first page.
3. Tap [↶ ↷] to select **<Yes>** and tap [⦿].
 - Moves to the first page.



USING THE TEXT MENU



- To exit the menu, tap [⌘].

To set a bookmark

Set a bookmark to return to that point in the text at any time.

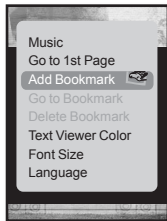
1. Tap [⌘] while viewing a text.
 - The Text menu appears.
2. Tap [^ ∨] to select **<Add Bookmark>** and tap [Ⓞ].

- The current text screen is set to a bookmark with the [🔖] symbol displayed on the top left corner.



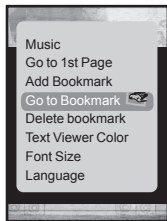
NOTE

- The Overwrite window appears if there is a bookmark previously set. If you select <Yes>, the previously set bookmark is deleted and a new bookmark is added.
- The bookmark can be set one for each text file, and you can set a maximum of 100 bookmarks.



To move to / remove the bookmark

1. Tap [⌘] while viewing a text.
 - The Text menu appears.
2. Tap [< >] to select **<Go to Bookmark>** or **<Delete bookmark>** and tap [Ⓞ].
 - When you selected <Go to Bookmark> then it will move to the selected bookmark and <Delete bookmark> will remove the selected bookmark from the text file.

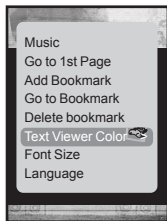


USING THE TEXT MENU (Continued)

To set the text viewer color

Choose what color you'd like the text to appear.

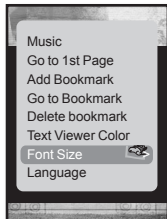
1. Tap [☰] while viewing a text.
 - The Text menu appears.
2. Tap [^ v] to select <Text Viewer Color> and tap [⦿].
 - The <Text Viewer Color> setting window appears.
3. Tap [◀ ▶] to select a desired text viewer color and tap [⦿].
 - Select from <Type 1> to <Type 6>.



To change the font size

You can change the font size of the text.

1. Tap [☰] while viewing a text.
 - The Text menu appears.
2. Tap [^ v] to select and tap [⦿].
 - The menu appears.
3. Tap [◀ ▶] to select a desired font size and tap [⦿].
 - Select from <Small>, <Medium> and <Large>.

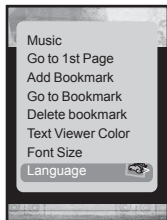


USING THE TEXT MENU (Continued)

To set a text language

You can select a language for text to view.

1. Tap [☰] while viewing a text.
 - The Text menu appears.
2. Tap [^ v] to select <Language> and tap [●].
 - The <Language> list appears.
 - Select from <English>, <Korean>, <French>, <German>, <Italian>, <Japanese>, <Chinese(S)>, <Chinese(T)>, <Spanish>, <Russian>, <Hungarian>, <Dutch>, <Polish>, <Portuguese>, <Swedish>, <Thai>, <Finnish>, <Danish>, <Norwegian>, <Farsi>, <Afrikaans>, <Basque>, <Catalan>, <Czech>, <Estonian>, <Greek>, <Hrvatski>, <Icelandic>, <Romany>, <Slovak>, <Slovene>, <Turkish> or <Vietnamese>.
3. Tap [^ v] to select a desired language and tap [●].
 - You can view text in the selected language.



NOTE

- The supported languages can be changed or added.

VOICE RECORDING

You can make a voice recording.

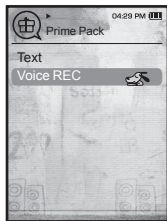
To make a voice recording

1. Press and briefly hold [↵] to move to the main menu screen.
2. Tap [< >] to select <Prime Pack> and tap [📍].
 - The <Prime Pack> list appears.
3. Tap [^ ∨] to select <Voice REC> and tap [📍].
 - The file name is displayed and the recording window appears.
4. Tap [📍].
 - The player starts recording.



NOTE

- You can make a recording for up to approximately 23 hours (based on 96Kbps, 1GB)
- You can store a maximum of 999 files for voice recording.



VOICE RECORDING (Continued)

To stop voice recording

1. Tap [●] during the recording.
 - A message appears asking you if you want to listen to the file you just recorded.
2. Tap [< >] to select <Yes> or <No> and tap [●].
 - Selecting <Yes> will play the just recorded file.
 - Selecting <No> will not play the recorded file.
 - The recorded file is stored in <File Browser> → <Recorded Files>.



NOTE

- Do not put the microphone too close to or far away from your mouth as it may cause a poor recording.
- Voice recording does not perform properly when the battery is low.
- The recording file name will be automatically specified such as "VCE_000.mp3". Where "VCE" indicates the file is a voice recording and "000" is the recording file number.

using Bluetooth



NOTE

- Tap [↩] to move to the previous screen.
- Press and briefly hold the [↩] to move to the main menu screen.

WHAT IS BLUETOOTH?

Bluetooth is an industry specification that describes how Bluetooth-compliant stereo headsets, mobile phones, and external devices can easily interconnect with each other using a short wireless connection.

The Bluetooth device can cause a noise or malfunction, depending on the use conditions.

- Physical signal interference, for instance, if you hold the player in the hand and wear a stereo headset in your ears.
- When a part of the body is in contact with the receiving/transmitting system of the player or the stereo headset.
- Electrical variation from electrical jamming by the wall, corner or office partitioning.
- Electrical interference from the same frequency-band devices including medical equipment, microwave oven and wireless LAN.
- **When pairing the Bluetooth device with the player, make it within as short distance as possible.**
- **The farther the distance between player and stereo headset is, the worse the quality is. If the distance exceeds the limit, the communications are disconnected.**
- **We do not recommend you use text and picture view modes while listening to the music with the stereo headset as it can cause deterioration of both player performance and Bluetooth communications.**
- **Depending on the model of the stereo headset, files in less than 32 KHz can not be played.**
- **In poor reception-sensitivity areas such as inside an elevator or underground, the Bluetooth connection may not work properly.**
- **The maximum distance that enables wireless connection between the player and the bluetooth is 32.8 feet. The connection will be automatically cut off if the distance is out of this range. Even within this range, the sound quality may be deteriorated by obstacles such as walls or doors.**

USING A BLUETOOTH STEREO HEADSET

You can use a Bluetooth stereo headset to let you enjoy music with high quality stereo sound, all without wires!

- ★ ▪ **Before you start** - Ensure that the Bluetooth device to connect is ready for pairing. (refer to the device's user manual)

To register the Bluetooth Stereo Headset

(you only need to register it once)

1. Press and briefly hold [**↔**] to move to the main menu screen.
2. Tap [**< >**] to select **<Bluetooth>** and tap [**⊙**].
 - The **<Bluetooth Mode>** is set to **<On>**.
 - The **⊙** icon will light.
3. Set the stereo headset ready for pairing.
 - To set the headset ready for the pairing mode, refer to the headset's user manual.
4. Tap [**^ v**] to select **<Stereo Headset>** and tap [**⊙**].
 - You will see **<Search New Device>** on the screen, if there is any device that has been previously paired with the player. Select **<Search New Device>** so that you can search for a new device to pair.
 - The headset to be registered will be listed.
5. Tap [**^ v**] to select a headset name to add and tap [**⊙**].
 - The Password input window appears if the password for the headset is other than 0000. Refer to the Headset's manual for the password.
 - The registration of the headset is completed.





USING A BLUETOOTH STEREO HEADSET (Continued)

To register the Bluetooth Stereo Headset (Continued)



NOTE

- You can use the Bluetooth function only when playing music and video files. It is not supported while you are listening to FM Radio.
- Description of the Bluetooth icon
 : Bluetooth mode on  : Connected to a stereo headset
- If you want to turn off the Bluetooth function, set the Bluetooth Mode to <Bluetooth> → <Bluetooth Mode> → <Off>.
- Bluetooth-compliant Headsets

Company	Model	Company	Model
i.TECH	Blueband	SAMSUNG	SBH100
Plantronics	PULSAR 590A	Jabra	BT620s
MOTOROLA	HT820		

- Use only a Bluetooth-certified stereo headset. Mono hands-free headsets are not supported.
- When not in use, set the <Bluetooth Mode> to <Off>. If you stay in <On> for <Bluetooth Mode>, the battery usable time is reduced.
- You can add up to 20 devices for the Bluetooth connection.

USING A BLUETOOTH STEREO HEADSET (Continued)

To connect the registered Bluetooth stereo headset

1. Tap [^ v] in the Bluetooth Setting screen to select <Stereo Headset> and tap [●].
2. Tap [^ v] to select a stereo headset to connect and tap [●].
 - When the connection is successfully done, you will see the [●] icon on the display.
 - You can connect up to 2 headsets.
3. Play the music.
 - You can listen to the music using a stereo headset.



NOTE

- If you can't find the desired headset to connect, register it first.
- If you turn off the player or the headset, and then turn it on, the bluetooth communication may be disconnected. If you want to listen to the music again using the stereo headset, repeat the instructions above.
- When two headsets are connected, the first-connected headset alone can be enabled for functional operation such as play/stop and volume control. For more information, refer to the headset's user manual.

USING THE BLUETOOTH MENU

To disconnect the Bluetooth device

1. Tap [⊞] in the Bluetooth screen.
2. Tap [^ ∨] to select **<Disconnect>** and tap [⊙].
 - The Disconnect confirmation window appears.
3. Tap [∧ ∨] to select **<Yes>** and tap [⊙].
 - The currently connected device will be disconnected.



To check the Bluetooth device connected

1. Tap [⊞] in the Bluetooth screen.
2. Tap [^ ∨] to select **<Connected Device>** and tap [⊙].
 - You can see information of connected device.



BLUETOOTH SETTINGS

★ ▪ **Before you start** - Set <Bluetooth Mode> to <On>.

1. Press and briefly hold [↩] to move to the main menu screen.
2. Tap [< >] to select <Bluetooth> and tap [⊙].
3. Tap [^ v] to select <Bluetooth Settings> and tap [⊙].
 - The Bluetooth Settings menu appears.
4. Use [^ v] and [⊙] to set functions.



Bluetooth Setting Options

Search Timeout : You can select the search time period for a new device. After setting a time, a new device will be searched for the time limit you set. Select one from <10sec>, <20sec>, <30sec>, <45sec> and <60sec>.

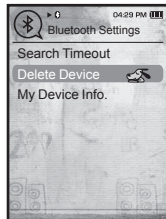
Delete Device : You can delete a registered device in the player. See page 81. Select <Delete All> to delete all of the registered devices.

My Device Info : You can check the name and address of your player.

BLUETOOTH SETTINGS (Continued)

To delete a Bluetooth device

1. Tap [^ v] to select <Delete Device> and tap [Ⓞ].
 - You will see the list of the registered devices.
2. Tap [^ v] to select a device to delete and tap [Ⓞ].
 - If you want to delete all of the registered devices, select <Delete All>.
3. Tap [< >] to select <Yes> and tap [Ⓞ].
 - The selected device will be removed.



To rename a Bluetooth device

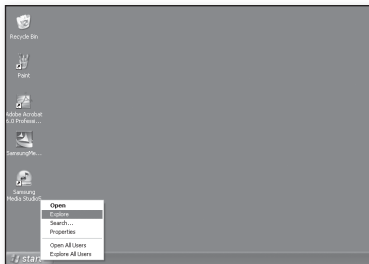
1. Tap [^ v] to select <My Device Info> and tap [Ⓞ].
2. Tap [Ⓞ].
 - The My Device Info menu appears.
3. Tap [^ v] to select <Edit Device Name> and tap [Ⓞ].
 - The Edit Device Name window appears.
4. Use [^ v < >] and [Ⓞ] to rename the device.
 - [Ⓞ] : The input mode switches from number to uppercase English and to lowercase English.
 - [←] : You can delete the characters one at a time.
 - [OK] : Confirm your change.
 - E.g. To enter "YPS5"
 - Move to the corresponding key icon and tap on it.
 - Ⓞ (once) → WXY (3 times) → PRS (once) → PRS (3 times) → Ⓞ (twice)
 - 5 (once)



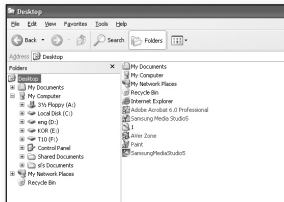
upgrading firmware

Future upgrades may be available for this player to enhance performance and compatibility.

1. Connect to <http://www.samsung.com>, select **[SUPPORT]** → **[DOWNLOAD CENTER]** and then select your player.
2. When the player page appears, select **[Firmware]** below the model name to download the latest firmware.
3. Uncompress the downloaded file onto your Desktop.
 - The uncompressed files will be displayed.
4. Connect the player to your PC with the USB cable.
5. Right click on the Start button on the bottom left of your PC's screen, then choose Explore to Open Windows Explorer on your PC.
 - **[T10]** is displayed in Windows Explorer.

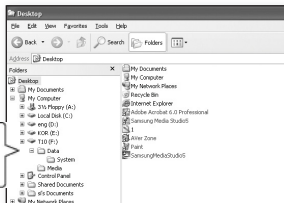
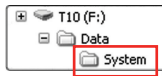


6. Locate and click on the Desktop icon in Windows Explorer (left column). The contents of the Desktop will appear in the right column.





7. (Windows Media Player 10)
Locate and select the Firmware update files (right column) and drag-and-drop it into the folder of [T10] → [Data] → [System].

OR,



- (Windows Media Player 11)
Locate and select the Firmware update files (right column) and drag-and-drop it into the [T10] → [Internal Storage].

8. After disconnecting the USB cable, the player will be turned off automatically.
9. Slide and hold the  switch.
- The firmware will be upgraded.
 - When upgrading is complete, the player will be turned off automatically.
10. Slide and hold the  switch in the opposite direction of the arrow.
- The image and font will be upgraded.
 - When upgrading is complete, the player will be turned off automatically.




NOTE

- Check the battery charge status of the player. If the battery is not sufficiently charged, the firmware will not be upgraded.
- You need to have at least 40 MB of free space on the player for the upgrade.

troubleshooting

If you have a problem with your new mp3 player, check for a solution in this list. If the problem persists, contact Samsung Customer Service at 1-800-SAMSUNG (1-800-726-7864).

PROBLEM	SOLUTION
Power will not turn on.	<ul style="list-style-type: none">• Power will not turn on if the battery is completely drained. Recharge the battery and turn the power on again.• Press the Reset hole.
Buttons do not work.	<ul style="list-style-type: none">• Check if the  switch is in the direction of the arrow position.• Check if you pressed the right button, then press again.• Press the Reset hole.
The screen will not turn on.	<ul style="list-style-type: none">• The screen may not be visible under direct sunlight.• If <Display Off> is selected from <Settings> → <Display>, the screen display can be turned off. Tap any button and see if it turns on.

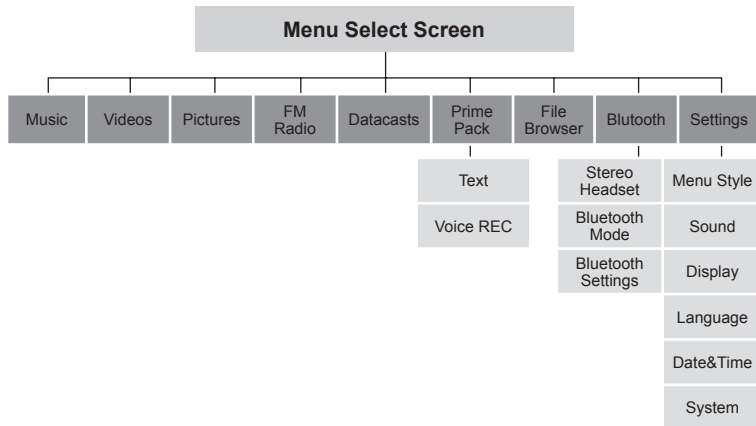
PROBLEM	SOLUTION
Power is turning off.	<ul style="list-style-type: none"> • Check the battery status. • The power is automatically turned off when the battery is completely drained. Recharge the battery. • If <Auto Power Off> is selected from <Settings> → <System>, the Power will be turned off when the player is in Pause mode. Turn on the Player.
Battery life differs from the manual.	<ul style="list-style-type: none"> • The battery life can vary depending on the sound mode and display setting. • Battery life may be shortened when the player is left for extended periods in low or high temperatures.
Media Studio Program Malfunction	<ul style="list-style-type: none"> • Check if your PC meets the basic system requirements.
Connection to your PC is disabled.	<ul style="list-style-type: none"> • Check if the USB cable is correctly connected and try again. • Press <Start> on the toolbar of your PC to run Windows Update. Select Key Updates and Service Packs, then update all. Reboot your PC and reconnect.
The file transfer rate is too slow.	<ul style="list-style-type: none"> • If you are running multiple programs including <Media Studio> on your PC, the file transfer rate will be slow. Exit unnecessary programs and try transferring again.

PROBLEM	SOLUTION
Player isn't playing.	<ul style="list-style-type: none"> • Check if the available file has been saved in the memory. • Check if the music file is damaged. • Check if there is enough battery power.
File upload doesn't work.	<ul style="list-style-type: none"> • Check if the USB cable is securely connected. Reconnect if necessary. • Check if the memory is full. • Press the Reset hole.
Files or data are missing.	<ul style="list-style-type: none"> • Check if the USB cable has been disconnected during file or data transmission. If this is the case, it may cause serious damage not only to files/data but also to the product. You have to be extra cautious as Samsung is not responsible for data loss.
Abnormal play time display during play.	<ul style="list-style-type: none"> • Check if the file is in Variable Bit Rate (VBR) format.
The product is hot.	<ul style="list-style-type: none"> • Heat may be generated during recharging. This has no effect on the product life or functions.
A message appears while watching a movie.	<ul style="list-style-type: none"> • Try to download the movie clip through Media Studio again.
Bluetooth connections could not be made.	<ul style="list-style-type: none"> • Check if the stereo headset is Bluetooth-certified. The mono hands-free headset is not supported. • The Bluetooth connection can be set off if you turn the player or stereo headset off and on. In this case, try to connect again.

appendix

MENU TREE

Here's a quick look at how the menus and functions are organized on your new mp3 player.



PRODUCT SPECIFICATIONS

Model Name	YP-T10
Rating	DC 5.0V / 500mA
Built-in Battery Power	550 mAh / DC 3.7V
File Compatibility	AUDIO : MPEG1/2/2.5 Layer3 (8kbps~320kbps, 22kHz~48kHz) WMA(5kbps~320kbps,8kHz~48kHz) VIDEO : SVI (Video : MPEG4, Audio : MP3(44.1kHz, 128Kbps), WMV(Video : WMV9 Simple Profile, Audio : WMA Spec (Max 860kbps), Resolution : 320X240, Frame Rate : 30fps) IMAGE : JPEG(ISO/IEC 10918-1/Annex F-Sequential DCT-based mode of operation)
Earphone Output	20mW (16Ω)
Output Frequency Range	20Hz~20KHz
Signal to Noise Ratio	90dB with 20KHz LPF(based on 1kHz 0dB)
Play Time	Maximum of 30 hours for music playback (based on : MP3 128kbps, Volume 15, Normal sound mode), Maximum of 4 hours for video playback
Temperature Range for Operation	-5~35°C (23~95°F)
Case	Plastic , Aluminium

Weight	1.52 oz
Dimensions (WxHxD)	1.63" X 3.78" X 0.31"

FM RADIO	FM Frequency	87.5~108.0MHz	FM T.H.D	1%
	FM Signal to Noise Ratio	30 dB	FM Useable Sensitivity	36dB μ

Bluetooth	Frequency Range:	Transmit/Receive : 2402~2480 MHz	Module	BTEM48B2SA
	Spec Version Supported	2.0	Transmission Output	1.8 mW

Wireless System

Emission Type	F1D
Transmit Frequency	2402MHz ~ 2480MHz
Receive Frequency	2402MHz ~ 2480MHz
No. of channels	79 ch
Temperature	-10 °C~ +50°C(14 ~ 122°F)
Modulation System	GFSK
Communication Mode	Semi-duplex Operation
Humidity	95%

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If during the period of warranty this product proves defective under normal use and service, you should return the product to the retailer from whom it was originally purchased.

The liability of Samsung and its appointed maintenance company is limited to the cost of repair and/or replacement of the unit under warranty.

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www.samsung.com

WARANTY CONDITIONS:

1. The warranty is only valid when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice or sales slip confirmation, indicating the date of purchase, dealer's name, model, serial No. and product number.

Samsung reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the product from the dealer.

WARRANTY (Continued)

2. Samsung's obligations are to the repair of the defective part, and at its discretion, replacement of the product (service exchange unit).
3. Warranty repairs must be carried out by an Authorized Samsung Dealer/ Service Center. No reimbursement will be made for repairs carried out by non Samsung Centers, and warranty coverage will not be valid for any repairs or damage caused by such repairs.
4. Repair or replacement under the terms of this warranty does not give right to extension to or a new starting of the period of warranty. Repair or direct replacement under the terms of this warranty may be fulfilled with functionally equivalent service exchange units.
5. The warranty is not applicable in cases other than defects in material, design and workmanship.
 - The warranty does not cover the following:
 - Periodic checks, maintenance, repair and replacement of parts due to normal wear and tear.
 - Abuse or misuse, including but not solely limited to the failure to use this product for its normal purposes or in accordance with Samsung's instructions usage and maintenance.
 - Use of the product in conjunction with accessories not approved by Samsung for use with this product.

WARRANTY (Continued)

- Failure of the product arising from incorrect installation or use not consistent with technical or safety standards in current force, or failure to comply with product manual instructions.
 - Accidents, Acts of God or any cause beyond the control of Samsung caused by lightning, water, fire, public disturbances and improper ventilation.
 - Unauthorized modifications carried out for the product to comply with local or national technical standards in countries for which the Samsung product was not originally designed.
 - Repairs performed by non-authorized service centers such as opening of the product by a non-authorized person.
 - The model, serial No. and product number on the product has been altered, deleted, removed or made illegible.
6. This warranty does not affect the consumer's statutory rights nor the consumers rights against the dealer from their purchase/sales agreement.

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