# Voice Recorder
## user manual

**imagine** the possibilities

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

**SAMSUNG**

# features of your voice recorder

Good looking. Smart. Reliable. And lots of fun. Your new voice recorder is all this and more. Its compact silhouette takes up the tiniest space in your pocket, and its state-of-the-art technology delivers rich sound. You'll love your new voice recorder, whether you're exercising, downloading your favorite tunes, or even listening to FM Radio. Use it once, and you'll wonder how you ever lived without it.

## Voice™ VP1 File Search by Photos

**VoicePix™ FUNCTION**

You can take a picture of the recording subject or scene and search the recorded file easily.

**LONG &HIGH QUALITY RECORDING**

You can record the high quality from LP(Long Play), SP(Standard Play), HQ(High Quality), SHQ(Super High Quality) and UHQ(Ultra High Quality) in addition to a long recording time.

**LEARNING A LANGUAGE**

This recorder is helpful when learning a language or listening a lecture by setting the section repeat and play speed functions.

**SUITABLE MICROPHONE FUNCTIONS**

You can set the built-in microphone either interview mode or meeting mode so that you can make a recording clearly in every situation.

**HIGH QUALITY BUILT-IN SPEAKER**

Your new voice recorder has high quality built-in speaker so that you can experience richer and deeper sound.

**EXPANSION AND COMPATIBILITY**

You can record a voice file in MP3 format and play a music file in MP3 or WMA formats.

**VARIOUS FUNCTIONS**

Various features in addition to voice recording are provided including music playback, FM Radio and bookmark for your convenience.

# safety information

## What the icons and signs in this user manual mean :

| | |
|---|---|
| ⚠ **WARNING** | Means that death or serious personal injury is a risk. |
| ⚠ **CAUTION** | Means that there is a potential risk for personal injury or material damage. |
| ⚡ **CAUTION** | To reduce the risk of fire, explosion, electric shock, or personal injury when using your voice recorder, follow these basic safety precautions: |
| 🖉 **NOTE** | Means hints or referential pages that may be helpful to operate the recorder. |

| | |
|---|---|
| ⃠ | Do NOT attempt. |
| 🖾 | Do NOT disassemble. |
| 🖑 | Do NOT touch. |
| ★ | Follow directions explicitly. |
| ⤶ | Unplug the power plug from the wall socket. |
| ✆ | Call the service centre for help. |

These warning signs are here to prevent injury to you and others.
Please follow them explicitly.
After reading this section, keep it in a safe place for future reference.

# safety information

This manual describes how to properly use your new voice recorder.
Read it carefully to avoid damaging the recorder and injuring yourself.
Pay particular attention to the following serious warnings:

## PROTECT YOURSELF

- Do not disassemble, repair, or modify this product on your own.

**CAUTION**
- Do not get the product wet or drop it in water. If the product gets wet, do not switch it on because you could get an electric shock. Instead, contact a Samsung Customer Service Centre near you.

- Do not use the product during a thunderstorm, as it may cause malfunction or a risk of electric shock.

**CAUTION**
- Do not use the earphones while you are driving a bicycle, automobile or motorcycle.
  It can cause a serious accident, and furthermore, is prohibited by law in some areas.
  Using the earphones while walking or jogging on a road, in particular, on a crosswalk can lead to a serious accident.

- For your safety, make sure the earphone cable does not get in the way of your arm or other surrounding objects.

**WARNING**
- Do not place the product in damp, dusty, or sooty areas because these environments could lead to fire or electric shock.

## PROTECT YOURSELF

⚠️ **WARNING**
- Using earphones or headphones for an extended time may cause serious damage to your hearing.
  If you are exposed to sound louder than 85db for an extended time, you may adversely affect your hearing. The louder the sound is, the more seriously damaged your hearing may be (an ordinary conversation is between 50 to 60db and road noise is approximately 80db).
  You are strongly advised to set the volume level to medium (the medium level is usually less than 2/3 of the maximum).

- If you feel a ringing in the ear(s), lower the volume or stop using the earphones or headphones.

## PROTECT YOUR RECORDER

🚫
- Do not leave the recorder in temperatures above 95°F (35°C), such as a sauna or a parked car.
- Do not cause excessive impact on the recorder by dropping it.
- Do not place heavy objects on top of the recorder.
- Prevent any foreign particles or dust from entering into the product.
- Do not place the product near magnetic objects.

⭐
- Be sure to backup important data. Samsung is not responsible for data loss.
- Use only accessories provided by or approved by Samsung.

⚠️ **CAUTION**
- Do not spray water on the product. Never clean the product with chemical substances such as benzene or thinner, as it may cause fire, electric shock or deteriorate the surface.

⚠️ **CAUTION**
- Do not remove the batteries during the recording. Otherwise, it may cause serious damage not only to files/data but also to the system.
- Failure to follow these instructions may lead to physical injuries or damage to the recorder.

📝 **NOTE**
- When printing this user manual, we recommend that you print in colour and check "Fit to Page" in the print option for better viewing.

# contents

# contents

# contents

# the basics

## WHAT'S INCLUDED

Your new voice recorder comes with these accessories. If you're missing any of these items, please contact a Samsung Customer Service Centre near you.

| Voice Recorder | USB Cable | Audio Cable | External Microphone | Earphones |
|---|---|---|---|---|

| Hand Strap | Phone Recording Adaptor | Phone Cable | AAA /LR03 Batteries | Installation CD |
|---|---|---|---|---|
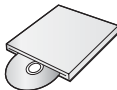
The accessories in your box may look slightly different than these shown.

# YOUR VOICE RECORDER

**External Device/Microphone connection jack**

**LED**

**Screen display**

**Up volume button**
Press to increase the volume or move to an upper item/menu.

**Menu button**
Press to display the menu.

**Right file browser button**
Press to move to the next file/menu.
Press and hold to quickly scan files.

**Hold button**
Press once to lock the button functions.
Press once again to unlock the button functions.

**Down volume button**
Press to reduce the volume or move to a lower item/menu.

**Left file browser button**
Press to move to the previous file/menu or play the current file from the beginning.
Press and hold to quickly scan files.

## YOUR VOICE RECORDER (Continued)

**Earphone connection jack**

**Microphone mode switch**
Slide up to run the interview mode.
Slide down to run the meeting mode.

**Back button**
Press to move to the previous level.
Press and hold to move to
the main menu screen.

**USB connection port**

**Play/Pause/Select button**
Press to select the play/pause and
a function, or move to the next screen.

**Power button**
Press and hold for power on/off.

## YOUR VOICE RECORDER (Continued)

**Camera lens**

**Built-in speaker**

**Built-in Microphone**

**Recording button**
Press and hold to start voice recording.
Press to stop voice recording.

**Folder/Bookmark button**
Press to select the voice recording folder.
Press and hold to add a bookmark.

**Section repeat/Delete button**
Press to repeat a section.
Press and hold to delete the selected file.

**Fastening hand strap**

**Battery cover**

**Hand strap hook**

# CONNECTING THE EARPHONES & MICROPHONE

**Connect the earphones**

**Earphones**
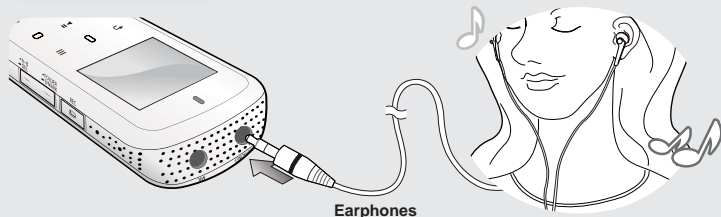
**Connect the microphone**

**External Microphone**
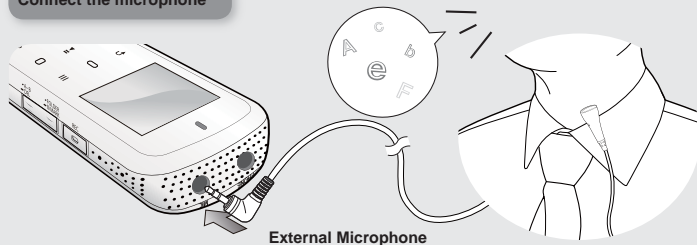
# INSERTING THE BATTERY
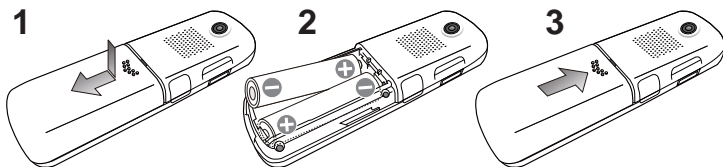


**1.** Slide the battery cover in the direction of the arrow as shown in the diagram and open it.

**2.** Insert rightly the batteries fitting their poles (+, -).

  ▪ Be careful not to reverse the poles of the batteries.

**3.** Close the battery cover by sliding it in the direction of the arrow as shown in the diagram.

# BATTERY LIFE

| Mode | | Time |
|---|---|---|
| **Voice Recording Mode** | | A maximum of 30 hours |
| **Play Mode** | **(Using the earphones)** | A maximum of 50 hours |
| | **(Using the speaker)** | A maximum of 20 hours |

**NOTE**
  ▪ When you do not use the recorder for a long time, remove the batteries.
  ▪ Actual battery time may vary according to the use conditions including the battery type, your settings and volume.

# TURNING THE POWER ON & OFF

**Turning the Power on**

Press and hold the **[ ⏻ ] button**.

**Turning the Power off**

Press and hold the **[ ⏻ ] button** again.
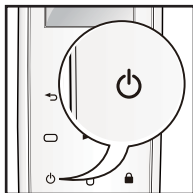
**NOTE**
- If you press and hold the [REC] button in power-off condition, the recorder turns on and voice recording will start.
- Power is automatically turned off when none of the buttons have been pressed for a certain time in the standby and the music pause mode for power saving purposes.

# SETTING THE MICROPHONE MODE

Slide up the microphone mode switch to set the interview mode, and slide it down to set the meeting mode.

- The microphone should face forward the sound source during the recording.



**[INTERVIEW MODE]**          **[MEETING MODE]**

## VOICE RECORDING

**1.** Select **<Voice REC>** on the main menu screen.

**2.** Press the **[FOLDER] button** to select a folder where the recording file will be stored.

**3.** Press and hold the **[REC] button**.
  ▪ Voice recording starts.

## CONTROLLING THE VOLUME

Press the **[Up, Down] button** to control the volume.

▪ The range of volume is set between 00 to 30.

## DISABLING THE BUTTONS

The Hold function disables all the other buttons on the voice recorder so that if you accidentally bump one-while working out, for example-your music won't be interrupted.

**1.** Press the **[ 🔒 ] button** once.

**2.** Press the **[ 🔒 ] button** once again to release the hold function.

## BROWSING FOR FILES USING "FILE BROWSER"

Search easily for files using the **"File Browser"** function.

**1.** Select **<File Browser>** on the main menu screen.

**2.** Select a desired folder and move to the file list under the folder.

**3.** Select a desired file.

 ▪ The file will start playing.

## DELETING FILES WITH "FILE BROWSER"

**1.** Select **<File Browser>** on the main menu screen.

**2.** Select a desired folder and move to the file list under the folder.

**3.** Select a file that you want to delete and press and hold the **[DEL] button**.

**4.** Select **<Yes>**.

 ▪ The file will be deleted.
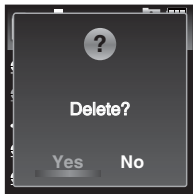
**NOTE** ▪ If you want to directly delete a file during playing, press and hold the [DEL] button

**CAUTION** ▪ Once files are deleted, they cannot be recovered.

# CHANGING THE SETTINGS AND PREFERENCES

Your voice recorder comes with settings and preferences that were set up at the factory, but you can change these pre-set values to truly customize your recorder.

**1.** Select **<Settings>** on the main menu screen.

**2.** Select a desired item in the setting list.

**3.** Set the options you prefer.

- **Date&Time** : Set the current date and time.
- **Display Off Time** : If no button is pressed within the set time shown below, the screen display will automatically be turned off. Select either <15sec>, <30sec>, <1min>, <3min>, <5min> or <Always On>. Press any button to turn the display back on.
- **Sleep** : Turns off power automatically after the preset time. Select either <Off>, <15min>, <30min>, <60min>, <90min>, or <120min>.
- **Language** : Set the menu language. Select from <English>, <한국어>, <简体中文>, <繁體中文>, <Русский>, <Français>, <Deutsch>, <Italiano>, <日本語>, <Español>, <Magyar>, <Nederlands>, <Polski>, <Português>, <Svenska>, <ไทย>, <Čeština>, <Ελληνικά>, <Türkçe>, <Norsk>, <Dansk>, <Suomi>, <Español (Sudamérica)>, <Português (Brasil)>, <Indonesia>, <Tiếng Việt>, <Bulgarian>, <Română>, <Українська>, <Slovenščina>, <Slovenský>.
- **Beep Sound** : Sets the beep sound for button operations to on or off. Select either <Off> or <On>.
- **Volume Limit** : You can decrease the risk of hearing damage by setting the limit of the volume when using the earphones. <On> will limit the maximum volume level to 15. The maximum volume level when volume limit is set to <Off> is 30. If you selected over 15, the volume will be set back to 15 when you turn the recorder off to avoid hearing damage when you turn the recorder back on.

## CHANGING THE SETTINGS AND PREFERENCES (Continued)

- **VoicePix** : You can take a picture and store it with recording file as soon as the recording finished. Select either <Off> or <On>.
- **Shutter Sound** : Set the camera shutter sound to on or off. Select either <Off> or <On>.
- **LED Effect** : You can turn the LED on or off. If you set it to <On>, the LED blinks during the recording. Select either <Off> or <On>.
- **Default Set** : Returns all settings to the default value. Select either <Yes> or <No>. <Yes> initializes all settings to default. <No> cancells default settings.
- **About** : Checks the firmware version and memory capacity.
  - **Firmware Version -** Displays the current firmware version.
  - **Memory -** Indicates the remaining memory capacity. <Available> indicates the remaining capacity and <Total> indicates the total memory capacity.

---

**NOTE**

- **Regarding the Built-In Memory**
  1GB=1,000,000,000 bytes : actual formatted capacity may be less as the internal firmware uses a portion of the memory.

# EmoDio

EmoDio is a software application provided for this voice recorder for various content-related services as well as device supports.

## PC REQUIREMENTS

Your PC system must meet the following minimum specifications in order to install and run EmoDio:

- Pentium 500MHz or higher
- USB Port 2.0
- Windows 2000/XP/Vista
- DirectX 9.0 or higher
- 100MB of free hard disc space
- CD Rom Drive (2X or higher)
- Windows Media Player 9.0 or higher
- Resolution 1024 X 768 or higher
- Internet Explorer 6.0 or higher
- 512 MB RAM or higher

# INSTALLING EMODIO

■ Ensure that you run the <EmoDio> installer in your PC's administrator account.
**CAUTION** Otherwise, <EmoDio> will not be installed. To find the administrator account, please refer to your PC's user manual.

**1.** Insert the Installation CD provided with the recorder into the CD-ROM drive of your computer.

SA → **Install now**
→ Install now
→ User Manual
✕ Exit

SAMSUNG Copyright © 2008, SAMSUNG All rights reserved

**2.** Click **<Install now>**.

■ Follow the instruction to start installation.

■ <EmoDio> installation starts and then creates an **icon** on your desktop when installation is complete.

■ Use care when inserting the Installation CD into a vertically oriented CD-ROM drive.
**CAUTION**

■ Music recognition technology and related data are provided by Gracenote and
**NOTE** Gracenote CDDB® Music Recognition Service[SM].

■ CDDB is a registered trademark of Gracenote. The Gracenote logo and logotype, the Gracenote CDDB logo and logotype, and the "Powered by Gracenote CDDB" logo are trademarks of Gracenote. Music Recognition Service and MRS are service marks of Gracenote.

## CONNECTING TO YOUR PC
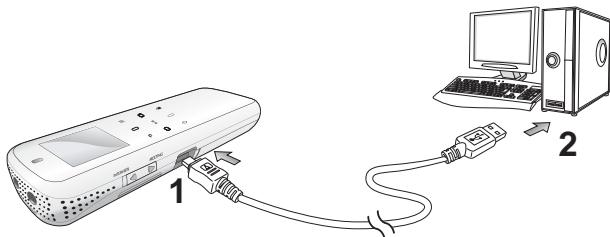


**1.** Connect the smaller end of the USB cable to the USB connection port on the recorder.

**2.** Connect the larger end of the USB cable to the USB port (•⟵⟶) on your PC.
  - <USB Connected.> appears on the screen display of the recorder.

⚠ **CAUTION**
  - Do not disconnect the USB cable during file transfer. Disconnecting during transfer may damage the recorder or your PC.
  - Connect the recorder to the computer directly rather than through a USB hub to avoid an unstable connection.

✎ **NOTE**
  - All functions on the recorder are disabled during the PC connection.
  - Use FAT 32 for the file system when formatting the recorder on your PC. In Windows Vista, click Restore device defaults and format it.

# USING EMODIO

EmoDio is the easy-to-use software application that helps you organize your files on your PC. With your files already sorted and organized in EmoDio, you can quickly transfer them to your recorder without searching your entire hard drive for the right file.
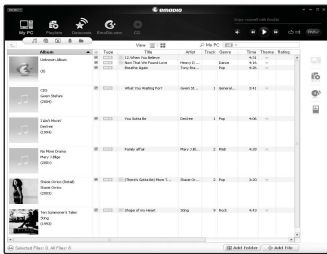


"EmoDio" file transfer is the easiest way to get files from your PC to your recorder.

With "EmoDio", you can create your own collection, or album, of audio files.

📝 **NOTE**
- For further information on <EmoDio>, click **<MENU>** → **<Help>** → **<Help>** on the top of the <EmoDio> program.
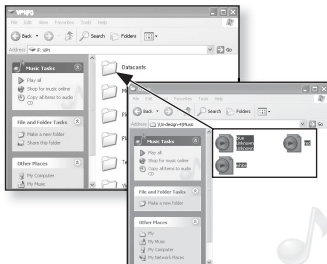
# USING AS A REMOVABLE DISK

You can use the recorder as a removable storage device.

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

**1.** Open files/folders to transfer from your PC.

**2.** Open **<My Computer>** → **<VP1>** from the desktop.

**3.** Select the files/folders to transfer from your PC and drag-and-drop them to a folder of your choice in the **<VP1>**.

 ▪ The selected folders or files are transferred to the recorder.

⚠ **CAUTION**
 ▪ The file transfer message will appear during file download or upload. Disconnecting the USB cable while the message is displayed may cause a recorder malfunction.

 ▪ The order of music files displayed in your PC may differ from the play order on your recorder.

 ▪ If you transfer a DRM (Digital Rights Management) file to the recorder, the file will not be played.

📝 **NOTE**
 ▪ **What is DRM?**
 Digital Rights Management (DRM) is a technology and service to prevent the illegal use of digital contents and protect the profit and rights of copyright holders. DRM files are music files applied with the illegal copy protection technology of legally purchased MP3 music.

# DISCONNECTING FROM YOUR PC

Follow the steps below to prevent damage to the recorder and data when disconnecting from your PC.

**1.** Place the mouse cursor on top of the 🔌 icon on the taskbar at the bottom right corner of the desktop and click the left mouse button.

**2.** Click the **<Safely Remove USB Mass Storage Device Drive>** message.
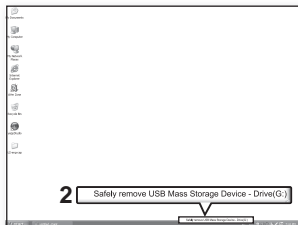
**3.** Disconnect the recorder from your PC.

!CAUTION

- Do not disconnect the recorder from the PC during file transfer. This may cause damage to data and the recorder.

  - You cannot safely disconnect the recorder while files within the recorder are being played on your PC. Please retry after file playback is finished.

# voice recording

You can record your own voice, speeches, lectures, and other outside sounds with your voice recorder.

⭐ ▪ **Before you start -** Turn on the recorder, and check the battery.
Set the current time. See page 18.
If you want to use the external microphone, connect it to the voice recorder. See page 13.

## VOICE RECORDING

**1.** Select **<Voice REC>** on the main menu screen.

**2.** Press the **[FOLDER] button** to select a folder where the recording file will be stored.

**3.** Press and hold the **[REC] button**.
- Voice recording starts.

📝 ▪ Press the [ ►❙❙ ] button if you want to pause recording.
**NOTE** ▪ If you press and hold the [REC] button in power-off condition, the recorder turns on and voice recording will start.
- When you connect the external microphone, the <Select Input> screen will appear. Select <MIC/PHONE In> and you can start recording.

⚠ ▪ **Do not remove the batteries during the recording.**
**CAUTION** **Otherwise, it may cause serious damage not only to files/data but also to the system.**
- Keep the external microphone away from the earphones during the recording. Otherwise, it can cause noise on the recording.
- 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. So check the battery and replace it with a new one before recording.

## To stop voice recording & store picture image

If you set <VoicePix> to <On> in the Settings, you can take a picture and store it shortly after the recording is done. See page 19.

**1.** Press the **[REC] button** during the recording.
- Voice recording stops.

**2.** Select **<Yes>**.

**3.** Press the **[ ► ❚❚ ] button** to take a picture.

**4.** Select **<Yes>**.
- The picture image is stored in the recording file.
- The recording file is automatically stored in the selected folder. You can save a maximum of 400 files in a folder.



# RECORDING TIME

| Recording quality / Capacity | LP | SP | HQ | SHQ | UHQ |
|---|---|---|---|---|---|
| 1GB | approx. 260 hours | approx. 65 hours | approx. 32 hours | approx. 16 hours | approx. 10 hours |
| 2GB | approx. 520 hours | approx. 130 hours | approx. 65 hours | approx. 32 hours | approx. 21 hours |
| 4GB | approx. 1040 hours | approx. 260 hours | approx. 130 hours | approx. 65 hours | approx. 43 hours |

**NOTE** ▪ The recording time and capacity is an approximation and subject to change.

**What is VoicePix™?**
Voice Pix enables you to take a picture of the recording subject or scene when the recording is done, and to search easily the recorded file.

# VOICE RECORDING DISPLAY
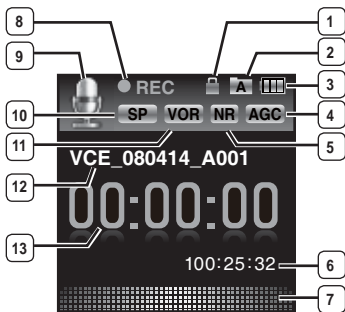


| | |
|---|---|
| **1** | **Lock Indicator** |
| **2** | **Recording Folder Indicator** |
| **3** | **Battery Status** |
| **4** | **AGC Indicator** |
| **5** | **Noise Reduction Indicator** |
| **6** | **Remaining Recording Time Indicator** |
| **7** | **Recording Level Indicator** |
| **8** | **Recording/Standby/Pause Indicator** |
| **9** | **Voice Recording Mode Indicator** |
| **10** | **Voice Recording Quality Indicator** |
| **11** | **VOR Indicator** |
| **12** | **File Name** |
| **13** | **Recording Time** |

**NOTE**

- The screen pictures are for illustration purposes only. The actual screen may differ.

# STORE PHOTO IMAGE IN THE RECORDING FILE LIST

You can take and store a picture image in the recording file.

**1.** Select **<File Browser>** on the main menu screen.

**2.** Select **<Voice>**.

**3.** Select a folder where voice recording files are stored .

**4.** Move to a file that you want to take a picture in the voice recording file list.

**5.** Press the **[ ☰ ] button**.

**6.** Select **<Camera on>**.

**7.** Press the **[►ıı] button** to take a picture.

**8.** Select **<Yes>**.
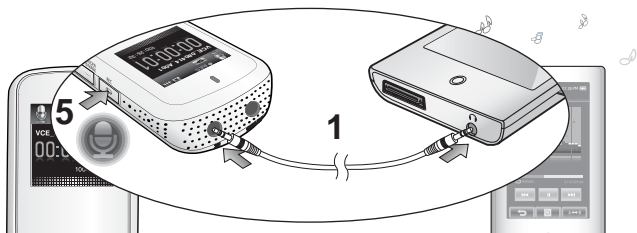- A picture will be stored in the recorded file.

**NOTE**
- If a picture has been already stored in the recording file, it will be replaced with the new picture.

# RECORDING FROM AN EXTERNAL DEVICE

★ ▪ **Before you start -** Turn on the recorder, and check the battery.
Set the current time. See page 18.



**1.** Use the audio cable to connect the output port of the external music player to the external device connection jack of the recorder.

**2.** Select **<Voice REC>** on the main menu screen.

**3.** Press the **[FOLDER] button** to select a folder where the recording file will be stored.

**4.** Press the Play button on the external music player.

**5.** Press and hold the **[REC] button**.

▪ Recording starts.

**6.** Press the **[REC] button** to stop recording.

📝
**NOTE**
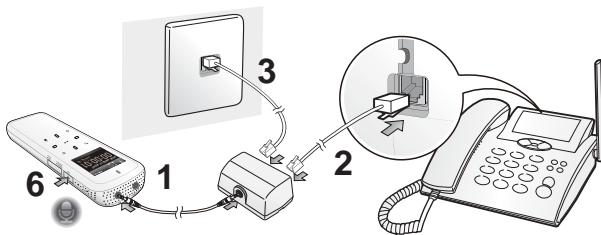▪ When you connect the audio cable, the <Select Input> screen will appear.
Select <LINE In> and you can start recording.
▪ The recording quality may differ according the external device.

# RECORDING WITH A PHONE

You can record the phone conversation using your voice recorder.

⭐ • **Before you start -** Turn on the recorder, and check the battery.
Set the current time. See page 18.



**1.** Connect the recorder to the phone recording adaptor using the audio cable.

**2.** Connect the phone to the phone recording adaptor using the provided phone cable.

**3.** Connect the phone cable to the phone recording adaptor.

**4.** Select **<Voice REC>** on the main menu screen.

**5.** Press the **[FOLDER] button** to select a folder where the recording file will be stored.

**6.** Press and hold the **[REC] button** during the phone conversation.
  ▪ Recording starts.

**7.** Press the **[REC] button** again to stop recording.

📝
**NOTE**
• When you connect the audio cable, the <Select Input> screen will appear.
  Select <MIC/PHONE In> and you can start recording.
• The recorded file is stored in <File Browser> → <Voice>. See Page 17.
• The recording quality may differ according the phone or the voice of the other party.
• Connection to digital devices such as mobile phones is not supported.

voice recording _ 31

# USING VOICE RECORDING MENU

## To select Voice Recording Quality

You can select the voice recording quality.

**1.** Press the **[ ☰ ] button** in voice standby mode.

**2.** Select **<REC Quality>**.

**3.** Select a desired voice recording quality mode.
- LP : Long play recording mode with low quality sound. (8kbps)
- SP : Standard play recording mode. (32kbps)
- HQ : High quality recording mode. (64kbps)
- SHQ : Super high quality recording mode better than HQ. (128kbps)
- UHQ : Ultra high quality recording mode. (192kbps)

REC Quality
VOR
Noise Reduction
AGC
REC Sensitivity
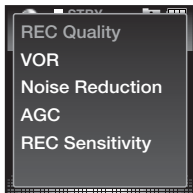
## To set VOR (Voice Only Recording)

It is a voice activated recording function where recording is activated when there is a sound, and pauses when there is no sound.

**1.** Press the **[ ☰ ] button** in voice standby mode.

**2.** Select **<VOR>**.

**3.** Select a desired mode.
- <Off> : To record even if there is no sound.
- <On> : To pause recording automatically when there is no sound.

REC Quality
VOR
Noise Reduction
AGC
REC Sensitivity
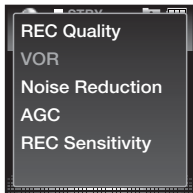
**NOTE**
- During the voice recording, the [ ☰ ] button is disabled.

## USING VOICE RECORDING MENU (Continued)

### To set Noise Reduction

Noise Reduction filters out any other noise than voice for the clear recording.

**1.** Press the **[ ≡ ] button** in voice standby mode.

**2.** Select **<Noise Reduction>**.

**3.** Select a desired mode.
- <Off> : To record as a original sound.
- <On> : To reduce noise to make a recording clearly.

REC Quality
VOR
Noise Reduction
AGC
REC Sensitivity
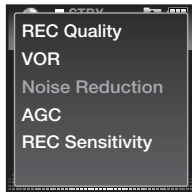
### To set AGC (Automatic Gain Control)

AGC function automatically controls the microphone level to optimize sensitivity during the recording.

**1.** Press the **[ ≡ ] button** in voice standby mode.

**2.** Select **<AGC>**.

**3.** Select a desired mode.
- <Off> : To record as normal sensitivity.
- <On> : To record as optimized sensitivity of the microphone.

REC Quality
VOR
Noise Reduction
AGC
REC Sensitivity
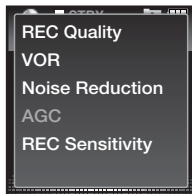
# USING VOICE RECORDING MENU (Continued)

## To set Voice Recording Sensitivity

You can adjust the voice recording sensitivity.

**1.** Press the **[ ≡ ] button** in voice standby mode.

**2.** Select **<REC Sensitivity>**.

**3.** Select a desired mode.
- High : To record at a spacious room or in a quiet environment.
- Low : To record at a short distance or in a noisy place.

**REC Quality**
**VOR**
**Noise Reduction**
**AGC**
REC Sensitivity
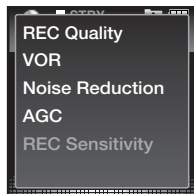
# playing a file

You can listen to a recorded or music file that is transferred to the recorder.

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

## LISTENING TO THE RECORDING/MUSIC FILE

**1.** Select **<File Browser>** on the main menu screen.

**2.** Select a desired folder.

**3.** Select a desired file.
  • The file will start playing.

```
┌─────────────────────────┐
│ 🎤 ▶            🅰 ▥      │
│    SP                    │
│                          │
│ VOICE > A         1/56   │
│                          │
│ 👤  VCE_0804...          │
│     NOR  X1.0 NOR        │
│                  00:09:16│
│ ▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬          │
└─────────────────────────┘
```
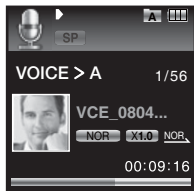
🄼 • MP3 and WMA music files are compatible with the recorder.

**NOTE**
  • A picture image in the recording file or album cover image in the music file will be displayed in the left corner of the display.
    [ 👤 ] will be displayed if no picture or album cover image exists.

# PLAYBACK DISPLAY
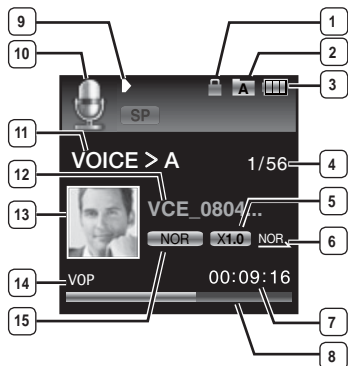


| | |
|---|---|
| **1** | **Lock Indicator** |
| **2** | **Recording Folder Indicator** |
| **3** | **Battery Status** |
| **4** | **Current file / Total number of files Indicator** |
| **5** | **Play Speed Indicator** |
| **6** | **Play Mode Indicator** |
| **7** | **Current Play Time** |
| **8** | **Play Status Bar** |
| **9** | **Play/Pause/Search Indicator** |
| **10** | **Voice/ Music Mode Indicator** |
| **11** | **Folder Indicator** |
| **12** | **File Name** |
| **13** | **Picture/Album Image Indicator** |
| **14** | **VOP Indicator** |
| **15** | **DNSe Indicator** |

**NOTE**
- The screen pictures are for illustration purposes only. The actual screen may differ.

## SETTING THE LIST TYPE

**1.** Select **<File Browser>** on the main menu screen.

**2.** Select **<Voice>**.

**3.** Select a desired folder.

**4.** Press the **[ ☰ ] button**.

**5.** Select a **<List Type>**.

**6.** Select **<Text>** or **<Thumbnail>**.
   - If you select <Text>, a picture or album cover image in the file will be displayed as background image.
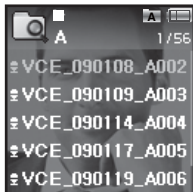


[Text]



[Thumbnail]

# REPEATING A SECTION

This function enables you to listen to specific parts of a file repeatedly.
It's helpful when learning a language, for example.

1. Play the file you want.

2. Press the **[A→B] button** at the beginning of the section you want to repeat.
   - The starting point is set and <A—> will appear.

3. Press the **[A→B] button** to set the ending of the section you want to repeat.
   - <A—B> will appear and the specified section starts to play repeatedly.
   - You will see the yellow mark on the play status bar during section repeat.
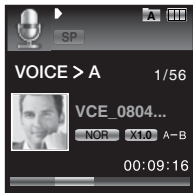
## To cancel Section Repeat

Press the **[A→B] button** during Section Repeat.

- Section Repeat will be cancelled.

**NOTE**
- Section Repeat will be automatically cancelled in the following cases.
  - The starting point of the section repeat is set but the ending point is not set until after the current file ends.
  - The end point is set for less than 3 seconds of playback after the start point.

# PLAYING A PLAYLIST

★ ▪ **Before you start -** Transfer a playlist to the recorder using <EmoDio>.

**1.** Select **<File Browser>** on the main menu screen.

**2.** Select **<Playlists>**.

**3.** Select a desired playlist.

**4.** Select a music file to play.
  ▪ The music file will start playing.

| ▪ |
| File Browser |
| ▪ VOICE |
| ▪ MUSIC |
| ▪ FM RADIO |
| ▪ PLAYLISTS |

| ▪ |
| PLAYLISTS |
| ★ Playlist 1 |
| ★ Playlist 2 |
| ★ Playlist 3 |
| ★ Playlist 4 |
| ★ Playlist 5 |
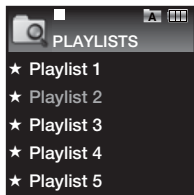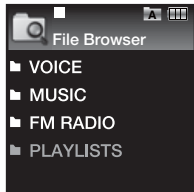
📝 **NOTE** ▪ For information on how to create a playlist in <EmoDio> and transfer it to the recorder, refer to <EmoDio>.

# USING THE VOICE & MUSIC PLAY MENU

## To set VOP (Voice Only Playback)

You can set the recorder to play only if a sound or voice is detected.

**1.** Press the **[ ≡ ] button** in voice play mode.

**2.** Select **<VOP>**.

**3.** Select a desired mode.
  - <Off> : VOP is turned off.
  - <On> : VOP is turned on.

> 📝
> **NOTE**
> - <VOP> will be displayed only if you play a voice file.
> - <VOP> works only if the play speed is <x1.0>.
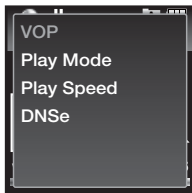
## To set the Play Mode

Select the playback mode from the options below.

**1.** Press the **[ ≡ ] button** in voice or music play mode.

**2.** Select **<Play Mode>**.

**3.** Select a desired play mode.
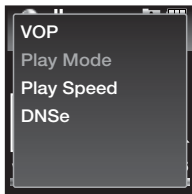
### Play Mode Options

- **Normal:** Plays all files of the current music list in order one time.
- **Repeat:** Repeats playing all files in the current music list.
- **Repeat One:** Repeats playing one file.
- **Shuffle:** Repeats playing all files of the current music list at random.

# USING THE VOICE & MUSIC PLAY MENU (Continued)

## To set the Play Speed

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

1. Press the **[ ≡ ] button** in voice or music play mode.
2. Select **<Play Speed>**.
3. Select a desired play speed.
   - Select one from the list <X 0.5 ~ X 2.0>.
   - Normal play speed is <X 1.0>.
   - The higher the number is, the faster the speed is.
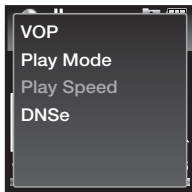
**NOTE**
- The adjusted play speed may differ from the actual speed, depending on the file.
- <VOP> will be set off if you select any other speed than <1.0>.

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

Select the right sound for each music genre.

1. Press the **[ ≡ ] button** in voice or music play mode.
2. Select **<DNSe>**.
   - The <DNSe> menu appears.
3. Select a desired DNSe.
   - Select from <Audio Upscaler>, <Normal>, <Studio>, <Rock>, <Classical>, <Jazz>, <Ballad>, <R&B>, <Club>, <Dance> and <Concert Hall>.
   - Audio Upscaler : This function upscales audio so it sounds closer to its original condition. The Audio Upscaler only functions with files of low quality.
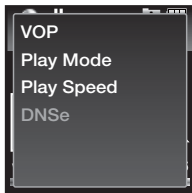
**NOTE**
- If you listen to the file through the speaker, <DNSe> will be set to <Normal> and disabled.

# setting a bookmark

Once you set a bookmark, you can easily find that position at any time.

⭐ • **Before you start -** Turn on the recorder and check the battery capacity.

## SETTING A BOOKMARK

**1.** Play the file you want.

**2.** Press and hold the **[B/MARK] button** at the point where you want to add a bookmark.
  ▪ The current played point is set to a bookmark.
  ▪ You will see the [ ▼ ] symbol on the play status bar.

📝 **NOTE** • A bookmark can be set one for each file, and you can set a maximum of 20 bookmarks.
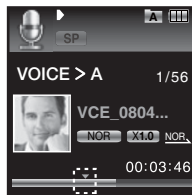
## SETTING A BOOKMARK (Continued)

### To play the bookmark file

**1.** Select **<Bookmark>** on the main menu screen.

**2.** Select a bookmark file you want to play.
   - Playback will start from the selected bookmark.
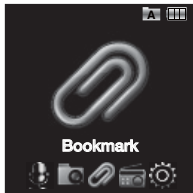
### To remove the bookmark file

**1.** Select **<Bookmark>** on the main menu screen.

**2.** Select a file that you want to delete and press and hold the **[DEL] button**.

**3.** Select **<Yes>**.
   - The selected bookmark file will be deleted.

# listening to FM radio

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

## LISTENING TO FM RADIO

**1.** Select **<FM Radio>** on the main menu screen.

  • FM radio reception will start.

## TO USE THE MUTE FUNCTION

**1**. Press the **[►II] button** while listening to FM Radio.

**2**. Press the **[►II] button** once again to resume listening.

⚠ CAUTION
  • Always connect your earphones to the recorder when searching or setting frequencies and listening to FM Radio.
  The earphones serve as antennas to receive FM radio reception.
  • In poor reception areas, the recorder may not be able to find an available FM frequency.

📝 NOTE
  • If you press and hold the [REC] button while listening to FM Radio, voice recording will start. Press the [REC] button again to stop recording.

# FM RADIO DISPLAY
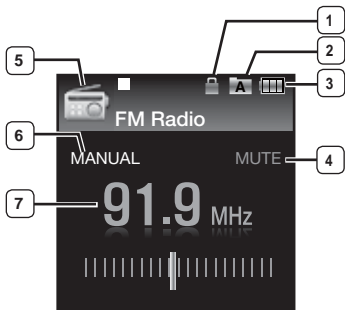
| | |
|---|---|
| **1** | **Lock Indicator** |
| **2** | **Recording Folder Indicator** |
| **3** | **Battery Status** |
| **4** | **Mute Indicator** |
| **5** | **FM Radio Mode Indicator** |
| **6** | **Manual/Preset Indicator** |
| **7** | **Current Frequency(MHz) Indicator** |

FM Radio

MANUAL     MUTE

**91.9** MHz

**NOTE**
- The screen pictures are for illustration purposes only. The actual screen may differ.

# TO SEARCH FOR FM STATIONS

Press and hold the **[Left, Right] button** and then release in Manual mode.

- The search will stop at the frequency nearest from the point the button is released.

**OR,**

Press the **[Left, Right] button** 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.** Press the **[ ☰ ] button** in Manual mode.

**2.** Select **<Go to Preset Mode>**.

| Go to Preset Mod |
| --- |
| Add to Preset |
| Auto Preset |
| FM Sensitivity |
| FM Recording |
| FM REC Quality |

## To switch to Manual Mode

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

**1.** Press the **[ ☰ ] button** in Preset mode.

**2.** Select **<Go to Manual Mode>**.

| Go to Manual Mod |
| --- |
| Delete from Pres |
| Auto Preset |
| FM Sensitivity |
| FM Recording |
| FM REC Quality |
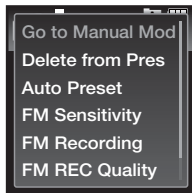
**NOTE**
▪ If no preset frequencies are set, the recorder will not switch to Preset mode.

# USING THE FM RADIO MENU (Continued)

## To store stations in the preset memory

You can store up to 30 stations in your recorder's memory and return to them with the press of just one button.

**Manual - choose only the stations you want to store**

**1.** Select a frequency to preset in Manual mode.

**2.** Press the **[ ≡ ] button**.

**3.** Select **<Add to Preset>** → **<Yes>**.

- The selected frequency will be added to the preset list.

| Go to Preset Mod |
|---|
| Add to Preset |
| Auto Preset |
| FM Sensitivity |
| FM Recording |
| FM REC Quality |

**Automatic – automatically store all the stations the recorder receives**

**1.** Press the **[ ≡ ] button** in FM Radio screen.

**2.** Select **<Auto Preset>**.

**To cancel Auto Preset**

If you want to cancel the auto preset, press the **[ ►II] button** in the process.

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

![NOTE icon] **NOTE** - You may want to re-set the stored stations if you're going to listen to your voice recorder 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, press the **[Left, Right] button** to scroll through pre-set 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, select a preset frequency to delete.

**2.** Press the **[ ☰ ] button**.

**3.** Select **<Delete from Preset>** → **<Yes>**.
▪ The selected frequency will be deleted.

**4.** To delete other preset frequencies, follow 1~3 steps above.

> Go to Manual Mod
> Delete from Pres
> Auto Preset
> FM Sensitivity
> FM Recording
> FM REC Quality
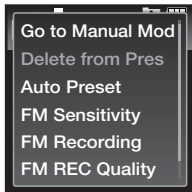
## USING THE FM RADIO MENU (Continued)

### To set the FM sensitivity

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

**1.** Press the **[ ≡ ] button** in FM Radio screen.

**2.** Select **<FM Sensitivity>**.

**3.** Select a desired reception sensitivity.
   - Select from <Low>, <Middle> and <High>.
   - If you select <High>, more frequencies will be received.

```
Go to Preset Mod
Add to Preset
Auto Preset
FM Sensitivity
FM Recording
FM REC Quality
```
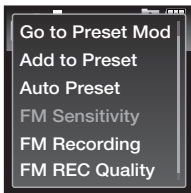
### To record FM Radio broadcasting

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

**1.** Press the **[ ≡ ] button** in FM Radio screen.

**2.** Select **<FM Recording>**.

```
Go to Preset Mod
Add to Preset
Auto Preset
FM Sensitivity
FM Recording
FM REC Quality
```

### To stop recording

**1.** Press the **[ ►❚❚ ] button**.
   - Recording will be stopped

📝
**NOTE**
   - The recorded file is stored in <File Browser> → <FM Radio>.
   - You can store a maximum of 999 files by the date for FM radio recording.
   - You can make a recording for up to approximately 16 hours. (based on 128Kbps, 1GB)
   - During the FM Radio recording, the pause function is disabled.

## USING THE FM RADIO MENU (Continued)

### To set the FM recording quality

You can choose the recording quality for FM radio.

**1.** Press the **[ ≡ ] button** in FM Radio screen.

**2.** Select **<FM REC Quality>**.

**3.** Select a desired quality level .
 - Select either <96kbps> or <128kbps>.

Go to Preset Mod
Add to Preset
Auto Preset
FM Sensitivity
FM Recording
FM REC Quality
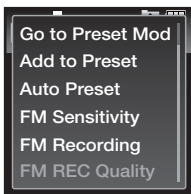
### To set the FM region

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

FM Region

**1.** Press the **[ ≡ ] button** in FM Radio screen.

**2.** Select **<FM Region>**.

**3.** Select a desired FM region.
 - 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. |

**NOTE**
 - FM region can be deleted or changed according to the target region of the recorder.
 - Your previously stored radio frequencies will be deleted when you change the <FM Region> on your recorder.

# troubleshooting

If you have a problem with your new voice recorder, check for a solution in this list. If the problem persists, contact Samsung Customer Service Centre.

| PROBLEM | SOLUTION |
|---------|----------|
| **Power will not turn on.** | • Power will not turn on if the battery is completely drained.<br>• Check if you insert the battery correctly. |
| **Buttons do not work.** | • Check if the HOLD function is set to lock all button operations.<br>• Check if you pressed the right button, then press again. |
| **The screen will not turn on.** | • If **<Display Off Time>** is selected from **<Settings>**, the screen display will be turned off. Press any button to turn on the screen display or check the settings.<br>• The screen may not be visible under direct sunlight. |

| PROBLEM | SOLUTION |
|---------|----------|
| **Power is turning off.** | • Check the battery status.<br>• Power is automatically turned off when none of the buttons have been pressed for a certain time in the standby and the music pause mode for power saving purposes. Turn on the recorder. |
| **Battery life differs from the manual** | • The battery life can vary depending on the sound mode and display setting.<br>• Battery life may be shortened when the recorder is left for extended periods in low or high temperatures. |
| **EmoDio Program Malfunction** | • Check if your PC meets the basic system requirements. |
| **The player does not record properly.** | • Check if you have selected a correct option in the <Select Input> menu when connecting the external microphone or audio cable. |
| **Connection to your PC is disabled.** | • Check if the USB cable is correctly connected and try again.<br>• Run Windows Update on your PC. Select Key Updates and Service Packs, then update all. Reboot your PC and reconnect. |

| PROBLEM | SOLUTION |
|---|---|
| **The file transfer rate is too slow.** | • If you have formatted the recorder on Windows 2000, the file transfer may be delayed. Format the recorder on Windows XP or Vista and try again.<br>• If you are running multiple programs including <EmoDio> on your PC, the file transfer rate will be slow. Exit unnecessary programs and try transferring again. |
| **Recorder isn't playing.** | • Check if the available file has been saved in the memory.<br>• Check if the music file is damaged.<br>• Check if there is enough battery power. |
| **File upload doesn't work.** | • Check if the USB cable is securely connected. Reconnect if necessary.<br>• Check if the memory is full. |
| **Files or data are missing.** | • Check if the USB cable has been disconnected during file transmission or the batteries has been removed during the recording. 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.** | • Check if the file is in Variable Bit Rate (VBR) format. |

# appendix

## MENU TREE

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

**Menu Select Screen**

| Voice REC | File Browser | Bookmark | FM Radio | Settings |
|---|---|---|---|---|
| REC Quality | | | Go to Preset Mode/Go to Manual Mode | Date&Time |
| VOR | | | Add to Preset/Delete from Preset | Display Off Time |
| Noise Reduction | | | Auto Preset | Sleep |
| AGC | | | FM Sensitivity | Language |
| REC Sensitivity | | | FM Recording | Beep Sound |
| | | | FM REC Quality | Volume Limit |
| | | | FM Region | VoicePix |
| | | | | Shutter Sound |
| | | | | LED Effect |
| | | | | Default Set |
| | | | | About |

# PRODUCT SPECIFICATIONS

| Model Name | | YP-VP1 |
|---|---|---|
| Power | | 1.5V X 2 (AAA/LR03 Alkaline Battery) |
| File Compatibility | | MPEG 1/2/2.5 Layer 3 (8kbps ~ 320kbps, 8kHz ~ 48kHz), WMA(48kbps ~ 192kbps, 8kHz ~ 48kHz) |
| Supported Number of Folders / Files | | Voice - Folder: Max. 5, File: Max. 2000 (Max. 400 for each folder) |
| | | Music - Folder: Max. 1000, File: Max. 4000 (excluding folder) |
| Earphone Output | | 22mW/Ch. (based on 16Ω) |
| Output Frequency Range | | 40Hz ~ 20kHz |
| Signal to Noise Ratio | | 88 dB with 20 kHz LPF |
| Recording Time | | 30 hours (based on Normal Sound Mode, SP Mode, LCD Off) |
| Play Time | | Maximum of 50 hours for the earphones, Maximum of 20 hours for the speaker (based on MP3 128kbps, Volume: 15, Normal Sound Mode, LCD Off) |
| Temperature Range for Operation | | -5~+35°C (23~95°F) |
| Case | | Plastic |
| Weight | | 60.6g (Including Battery) |
| Dimensions (WxHxD) | | 34.7 X 109.6 X 15 mm |
| Speaker | Power Output | 300mW (8Ω) |
| | Impedance | 8phm +.- 15% at 2kHz 1V |
| | Frequency Range | 40Hz ~ 20kHz |

| FM Radio | FM Frequency | 87.5~108.0MHz | FM T.H.D | 0.5% |
|---|---|---|---|---|
| | FM Signal to Noise Ratio | 60 dB | FM Useable Sensitiivity | 38dBμ |

The contents of this Manual are subject to change without prior notice for further improvement.

## LICENSE

The product player accompanying this user manual is licensed under certain intellectual property rights of certain third parties. This license is limited to private non-commercial use by end-user consumers for licensed contents. No rights are granted for commercial use.

The license does not cover any product player other than this product player and the license does not extend to any unlicensed product player or process conforming to ISO/IEC 11172-3 or ISO/IEC 13818-3 used or sold in combination with this product player. The license only covers the use of this product player to encode and/or decode audio files conforming to the ISO/IEC 11172-3 or ISO/IEC 13818-3. No rights are granted under this license for product features or functions that do not conform to the ISO/IEC 11172-3 or ISO/IEC 13818-3.

## CORRECT DISPOSAL OF THIS PRODUCT (WASTE ELECTRICAL & ELECTRONIC EQUIPMENT)

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

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

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

Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.

## CORRECT DISPOSAL OF BATTERIES IN THIS PRODUCT

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

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

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

# CONTACT SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG Customer Care Centre.

| Country | Customer Care Centre ☎ | Web Site |
|---|---|---|
| CANADA | 1-800-SAMSUNG(726-7864) | www.samsung.com/ca |
| MEXICO | 01-800-SAMSUNG(726-7864) | www.samsung.com/mx |
| U.S.A | 1-800-SAMSUNG(726-7864) | www.samsung.com/us |
| ARGENTINE | 0800-333-3733 | www.samsung.com/ar |
| BRAZIL | 0800-124-421, 4004-0000 | www.samsung.com/br |
| CHILE | 800-SAMSUNG(726-7864) | www.samsung.com/cl |
| NICARAGUA | 00-1800-5077267 | www.samsung.com/latin |
| HONDURAS | 800-7919267 | www.samsung.com/latin |
| COSTA RICA | 0-800-507-7267 | www.samsung.com/latin |
| ECUADOR | 1-800-10-7267 | www.samsung.com/latin |
| EL SALVADOR | 800-6225 | www.samsung.com/latin |
| GUATEMALA | 1-800-299-0013 | www.samsung.com/latin |
| JAMAICA | 1-800-234-7267 | www.samsung.com/latin |
| PANAMA | 800-7267 | www.samsung.com/latin |
| PUERTO RICO | 1-800-682-3180 | www.samsung.com/latin |
| REP. DOMINICA | 1-800-751-2676 | www.samsung.com/latin |
| TRINIDAD & TOBAGO | 1-800-SAMSUNG(726-7864) | www.samsung.com/latin |
| VENEZUELA | 0-800-100-5303 | www.samsung.com/latin |
| COLOMBIA | 01-8000112112 | www.samsung.com.co |
| BELGIUM | 02 201 2418 | www.samsung.com/be |
| CZECH REPUBLIC | 800-726-786 (800 - SAMSUNG) | www.samsung.com/cz |
| DENMARK | 70 70 19 70 | www.samsung.com/dk |
| FINLAND | 030-6227 515 | www.samsung.com/fi |
| FRANCE | 3260 SAMSUNG (€ 0,15/Min)<br>08 25 08 65 65 (€ 0,15/Min) | www.samsung.com/fr |
| GERMANY | 01805 - SAMSUNG(726-7864 € 0,14/Min) | www.samsung.de |
| HUNGARY | 06-80-SAMSUNG(726-7864) | www.samsung.com/hu |
| ITALIA | 800-SAMSUNG(726-7864) | www.samsung.com/it |
| LUXEMBURG | 02 261 03 710 | www.samsung.com/lu |
| NETHERLANDS | 0900-SAMSUNG (726-7864 € 0,10/Min) | www.samsung.com/nl |
| NORWAY | 815-56 480 | www.samsung.com/no |

| Country | Customer Care Centre ☎ | Web Site |
|---------|------------------------|----------|
| POLAND | 0 801 801 881, 022-607-93-33 | www.samsung.com/pl |
| PORTUGAL | 80820-SAMSUNG(726-7864) | www.samsung.com/pt |
| SLOVAKIA | 0800-SAMSUNG(726-7864) | www.samsung.com/sk |
| SPAIN | 902-1-SAMSU(72678) | www.samsung.com/es |
| SWEDEN | 0771-400 200 | www.samsung.com/se |
| U.K | 0845 SAMSUNG (7267864) | www.samsung.com/uk |
| EIRE | 0818 717 100 | www.samsung.com/ie |
| AUSTRIA | 0800-SAMSUNG(726-7864) | www.samsung.com/at |
| SWITZERLAND | 0800-SAMSUNG(726-7864) | www.samsung.com/ch |
| RUSSIA | 8-800-555-55-55 | www.samsung.ru |
| KAZAKHSTAN | 8-10-800-500-55-500 | www.samsung.com/kz_ru |
| UZBEKISTAN | 8-10-800-500-55-500 | www.samsung.com/kz_ru |
| KYRGYZSTAN | 00-800-500-55-500 | |
| TADJIKISTAN | 8-10-800-500-55-500 | |
| UKRAINE | 8-800-502-0000 | www.samsung.ua |
| LITHUANIA | 8-800-77777 | www.samsung.lt |
| LATVIA | 8000-7267 | www.samsung.com/lv |
| ESTONIA | 800-7267 | www.samsung.ee |
| AUSTRALIA | 1300 362 603 | www.samsung.com/au |
| NEW ZEALAND | 0800 SAMSUNG (0800 726 786) | www.samsung.com/nz |
| CHINA | 800-810-5858, 400-810-5858, 010-6475 1880 | www.samsung.com/cn |
| HONG KONG | 3698-4698 | www.samsung.com/hk |
| INDIA | 3030 8282, 1800 110011, 1-800-3000-8282 | www.samsung.com/in |
| INDONESIA | 0800-112-8888 | www.samsung.com/id |
| MALAYSIA | 1800-88-9999 | www.samsung.com/my |
| PHILIPPINES | 1800-10-SAMSUNG(726-7864) | www.samsung.com/ph |
| SINGAPORE | 1800-SAMSUNG(726-7864) | www.samsung.com/sg |
| THAILAND | 1800-29-3232, 02-689-3232 | www.samsung.com/th |
| TAIWAN | 0800-329-999 | www.samsung.com/tw |
| VIETNAM | 1 800 588 889 | www.samsung.com/vn |
| TURKEY | 444 77 11 | www.samsung.com/tr |
| SOUTH AFRICA | 0860-SAMSUNG(726-7864 ) | www.samsung.com/za |
| U.A.E | 800-SAMSUNG (726-7864), 8000-4726 | www.samsung.com/ae |

REV.0.0