

User Manual LM-405ES



Table of Contents

	(Page)
Product Details	----- 03
Safety Information	----- 04
Safety Adapter/Charger	----- 06
Before Use	
● Charging a Rechargeable Battery	----- 06
● Composition of Product	----- 08
● How to connect with a PC	----- 09
● Cautions in Use	----- 11
(For windows 98/ Millennium/ 2000/ XP)	
Function of Every Button on Main Device	----- 20
Initial Using of Product and Initial Setup	
● Power On/Off	----- 22
● Initial Setup	----- 22
(Initialize, External memory format, Basic function setup, etc.)	
Using Method by Functions	
I. TALK (Conversations)	----- 25
II. Dictionary	----- 28
III. E-Book	----- 30
IV. MP3 Player	----- 32
V. Digital Voice Recorder	----- 34
VI. FM Radio	----- 39
VII. Calculator	----- 41
Directory Composition	----- 42
Failure Checkpoints	----- 43
Recovery Method for File System Error	----- 44
(Format of Internal / External Memory)	
Product Specifications	----- 46

Product Details

Major Features

- **Foreign Language Courses**

1. **Learning Spanish for English (Around 5,000 Expressions)**
2. **Learning English for Spanish (Around 8,800 Expressions)**

- Foreign Language Sentences and Expressions with a native speaker voice
- Talking English-English Dictionary (Collins Brand)
Spanish-English Dictionary (Collins Brand)
Talking English-Spanish Dictionary (Collins Brand)
- MP3 / WMA Player (Supports large screen lyrics)
- Digital Voice Recorder
- USB Mass Storage
- E-Book
- FM Radio
- Calculator
- Direct Encoding
- Touch-screen LCD
- CD sound quality
- Upgradeable firmware
- Built-in 256 MB memory
- External memory slot for SD Memory Card
- Screen backlight
- 40 Characters x 10 lines LCD display on English text
- Earphones/built-in speaker provided
- Built in self-charging battery
- Power Supply: rechargeable battery, adapter/charger, computer power using a USB cable

Major Contents

- Available Foreign Language Conversation Practices
Daily / Business / Travel / Interviews / Other essential conversations
- Native speaker recorded conversations
- Listening exercises for different levels
- Articles to improve listening and reading comprehension
- Useful idioms

Major Studying Functions for Foreign Languages

- Interactive learning function
Foreign language learning text with a native speaking voice
- Easy to use dictionary search function
Can look up unknown words by touching the LCD panel during studies by touch-screen
- One-touch repeat available for each sentence
- Unlimited Repeat setup: Chapter/Section/Topic/Sentence
- Voice recorder to check your own pronunciation
- Writing practice for the parts as described in foreign languages on LCD display
- Speed control: Normal/Slow/Fast play, 9 Steps
- "Repeat after Me" practices following recorded contents
- Setup roles for conversation (A or B)
(User chooses the conversation role of either A or B and practices with the device)
- Setup "Magic Study" for listening sentences 4 times repeatedly
- Text conversion function: Selects text indication order such as English – Spanish (interpretation), English – English, Spanish - English, or Spanish – Spanish on LCD display
- Adjustment of time between conversation sentences
- Resumes whenever last left off

Safety Information

Safety cautions described below are designed to prevent unexpected risks and damage from inaccurate use of the product. Compensation cannot be received for a damaged product if more than one of the following warnings is violated.

Warning

Failure to observe the following guidelines may result in dangers such as death or serious injury. Please comply.

- Do not put and use several power plugs into a socket at the same time.
- Heat may generate fire.
- Do not bend the power cords or press/damage the cord due to a heavy pressure or object. Fire may occur.
- To take adapter/charger cords out, hold the cord closely and then pull.
- Do not touch plugs or a charger with wet hands. Fire or electrical shock may occur.
- Do not disassemble, repair or attempt to modify the product without professional help.
- An adapter/charger is free voltage between 90V - 260V.
- Do not plug this product into a loose power socket hole. May result in electrical shock.

Caution

Failure to observe the following guidelines may result in dangers such as death or serious injury. Please comply.

- When cleaning the main device of the product, carefully wipe the product out with a soft cloth. Do not use water, alcohol, benzene, thinners, oils or etc. since they may cause failure of the product or personal injury.
- Do not put the product anywhere cold or in a dusty or high-moisture environment.
- Avoid putting the product in bathrooms, near thermal devices, heaters and/or water.
- Avoid extended direct sunlight (for example, inside of a parked car)
- Do not drop the product to avoid shock.
- When carrying around a rechargeable battery or adapter/charger, do not mix the products with other metal materials such as that of a coin or key. Friction between the metal and the rechargeable battery or adapter/charger may cause a fire.
- Take special care so that pins, dust or foreign objects do not enter the insides of the product.
- When connecting an adapter/charger jack to the main device, always insert it with the power OFF. Also, use only the adapter/charger provided by our company.
- Take the plug out when the product is not in use for an extended amount of time.
- If a peculiar sound is heard from our product, please turn off the power and consult our service center.
- Do not use the product's accompanying touch pen for any other use outside of the product.

[Reference]

- If the temperature around the product falls below zero, battery life of the battery may become shorter.
- If necessary, purchase a rechargeable battery outside our product.
- If a wrong operation takes place during use, take the rechargeable battery out and insert again.
- Do not scroll up or down on the LCD panel by touch pen as is demonstrated below. The product may not operate properly.



Safety Adapter/Charger

! Caution !

Do not open the case. There is danger of electrical shock.

- Parts not insulated inside of the adapter/charger may cause electrical shock.
- Do not open the case of the adapter/charger.
- Please be sure to read the User Manual before using the adapter/charger to avoid potential problems.

Warning

- Do not expose this product to water. There is danger of fire and/or electrical shock.

Caution

- Only use the socket suitable for the shape of the plug. There is danger of electrical shock.
- When plugging the adapter/charger into a socket, be sure to plug it into the socket completely.

Before Use

● Charging a Rechargeable Battery

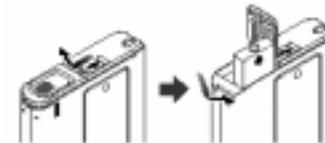
An adapter/charger is provided with this product. Always use the correctly specified rechargeable battery and adapter/charger.

1. Put rechargeable battery into a battery insertion hole of the main device.

- (1) Open the battery cover while pressing and pulling the upper side of the cover downward.
- (2) Insert rechargeable battery to meet (+), (-) mark and then close battery cover.
- (3) Turn on the main device moving the Power switch to "ON".

And check battery power on LCD display.

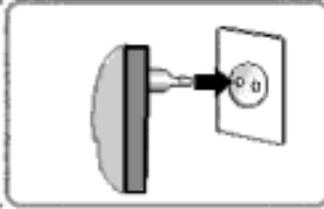
Charge rechargeable battery when the top right-hand symbol  becomes .



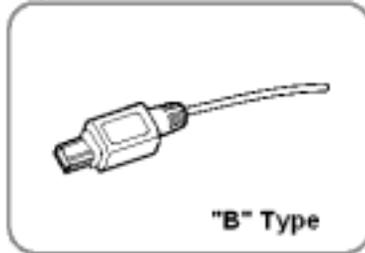
Caution

- Only insert the battery to meet the (+), (-) marks.
- Do not disassemble the battery or apply heat to it since there is danger of an explosion or other damage.
- Take the battery out for keeping when not using it for a long time.
- Dispose of the battery immediately if you find liquid leaking from it.

2. Plug-in an adapter/charger into the electrical power socket.



3. Connect an adapter/charger jack to the device.



- An adapter/charger is free voltage between 90~260V.
- While charging, a red light shines on the right side of the USB jack of the main device.
- Fully recharging a battery takes approximately five hours. Once the charge is complete, the red charging light will turn off.
- It is recommended to take the battery out for use about 10-20 minutes later once the red light turns off.
- Charging of the batteries may also be done through a computer using a USB cable.

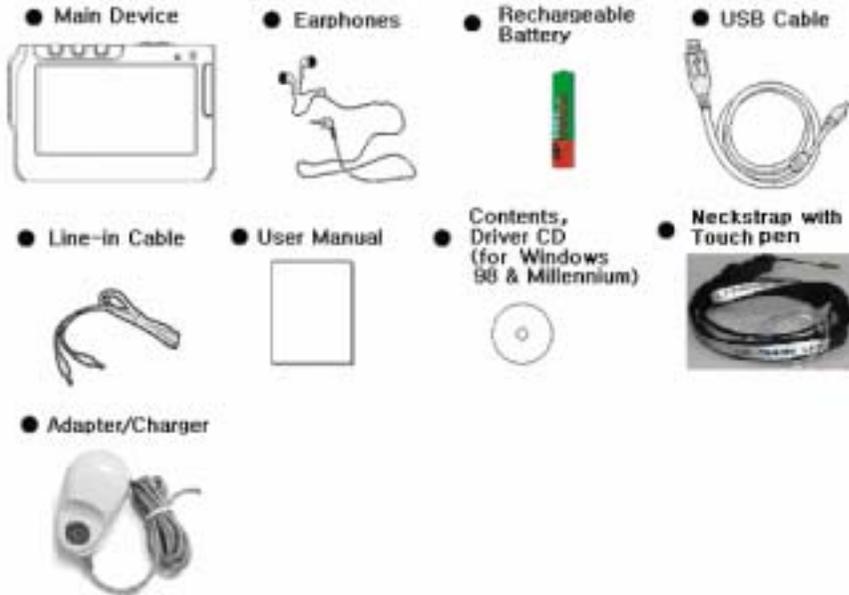
Caution

- If charging is completed, take the adapter/charger out from the AC socket for safe keeping.
- Avoid continuous charging for more than the specified amount of time in case there is a danger of fire. Do not use a lesser quality product or an unmatched type of charger other than by the one provided by our company.
- Do not use multiple power plugs into a socket at the time.
- Do not use a damaged charger or adapter.
- Use the rechargeable battery only after full charging when you use it at first or when using it after non usage for several months.
- Don't continuously charge the charger for more than 24 hours.
- Overcharging or excessive discharge reduces life of the charger.
- Replace with a new charger when the usage time gets shorter in comparison to the charging time.
- Using time slowly becomes less than when first purchased because the rechargeable battery is a consuming good.
- To use the rechargeable battery for a long time, repeatedly use it fully discharged and recharge fully. When charging is repeated only after short use, the usage time of the charger may shorten. In this case, recharging completely several times may bring it back to its original performance.
- Take caution that terminals (metal parts) of the adapter/charger and rechargeable battery are not touching conductive objects such as necklaces or coins. This may

result in danger of fire and electrical shock.

- Our adapter/charger may be used for charging or as a power connection.

● Composition of Product



** Option **
Carrying Case

Appearance and specification of components may be changed without prior notice.
The SD Memory Card is sold separately.

Caution

- Turn power off when removing or inserting the SD Memory Card.
- Do not remove or insert the SD Memory Card while playing music files.
- Do not touch the metal surface of the SD Memory Card.

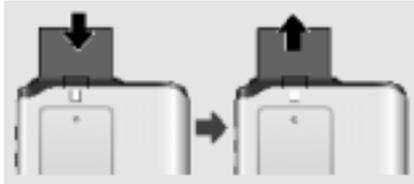
[Reference]

- The battery consumption of listening with a built-in speaker is greater than when listening with earphones.
- "SD Memory Card" formatted with other company's "SD Memory Card reader" may not operate suitable in *magic-Talker's*.

To use a "SD Memory Card" (Optional)

■ Insertion of "SD Memory Card"

- Insert the "SD Memory Card" all the way in until it clicks as below.



■ Removal of SMC

- To remove the "SD Memory Card", push the "SD Memory Card" to pop it out.

[Reference]

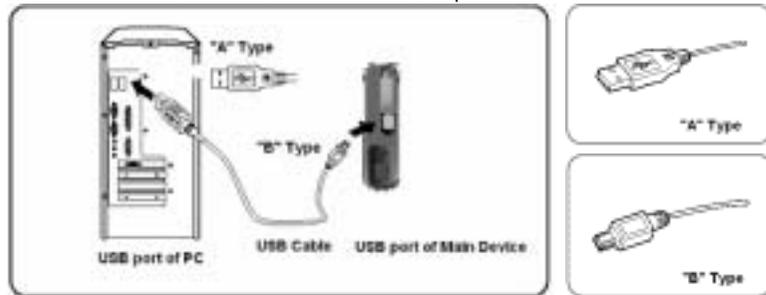
- "SD Memory Card" is only used for 32MB ~ 1GB capacity.
- Our company shall not be responsible for any data loss due to error in use.
- To use external memory (SD Memory Card), insert the card into the main device and use it after formatting.

● How to connect with a PC

Windows 2000 or XP does not need a separate software installation.

For Windows 98 or Millennium, you should install a USB driver program in the separately provided CD as directed below.

1. Connect USB cables between the USB port of device and PC.



If USB port of *magic-Talker's* is connected to a PC, LCD display on *magic-Talker's* appears as follows.

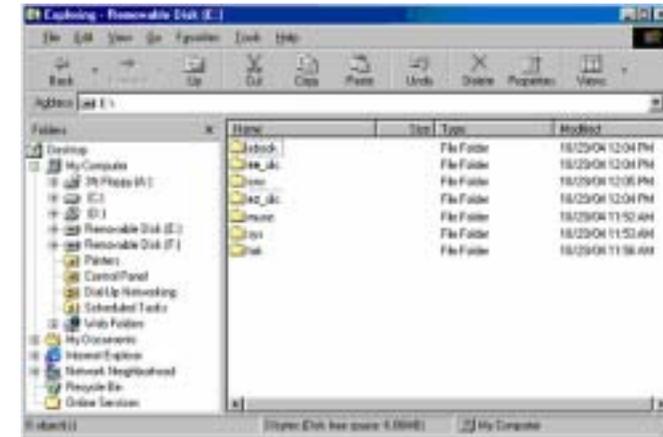
Computer recognizes *magic-Talker's* for removable (E) drive.

USB transfer



Press "PLAY" Key to Disconnect

LCD display on *Magic-Talker's*



Removable Disk Screen (E)

[Reference]

- If other devices are connected to the computer USB, it may display a name other than (E) drive.

▶ Recommended PC Environment

- Pentium 133 MHz or more
- Windows 98/Millennium/2000/XP
- 10 MB Hard Disk Redundant Space
- CD ROM Drive
- USB Support
- VGA Graphic Support

● **Cautions in use (For windows 98/ Millennium/ 2000/ XP)**

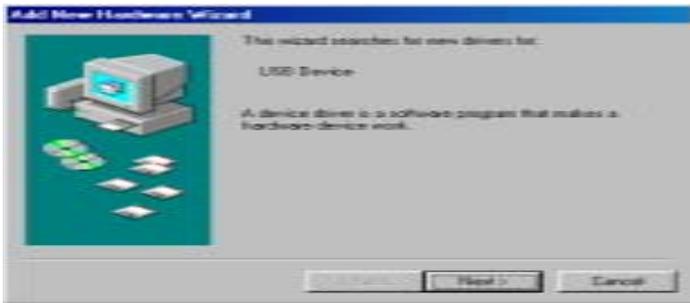
Do not turn the power off or pull out the SMC from the device while it is formatting or upgrading from your PC.

- Do not pull the “SD Memory Card” from the device during the Reading/Writing “SD Memory Card” (due to potential data damage).
- Do “FAT” pc format for formatting device on Windows 98, Millennium, 2000 and XP.

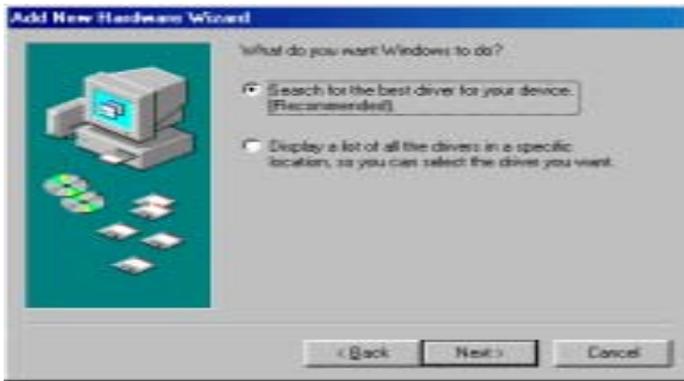
For Windows 98 or Millennium, you should install a “USB Device Driver” in the separately provided CD as directed below.

If connecting the USB cables with a PC and a *magic-Talker's*, the “USB Device Driver” is installed with a message which is looking for the new device (**Please insert Contents/Driver CD into the CD-Rom drive.** The related file in Contents/Driver CD is “LM-40XUSBdrv”).

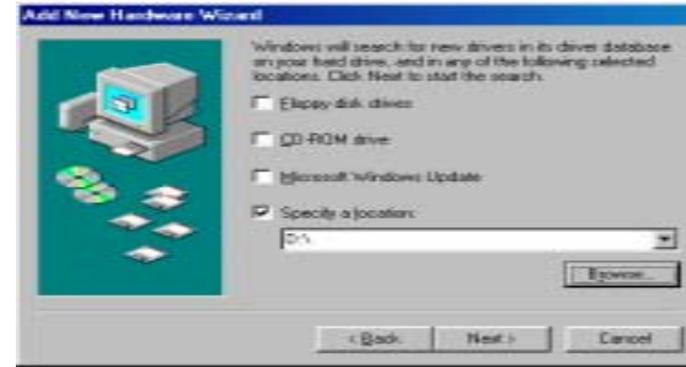
- If the “Add New Hardware Wizard” does not automatically appear on the computer screen when connecting the USB cables with a PC, please follow the instructions on page 18 to set up the USB device manually.



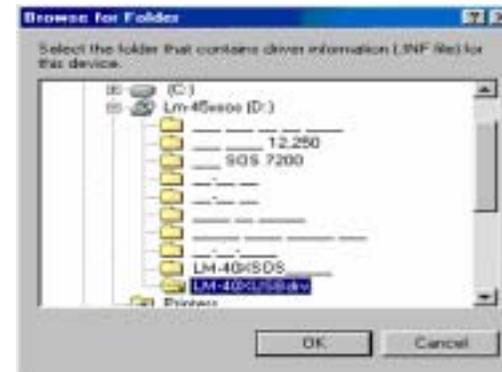
* Click the “Next” button.



* Choose the “Recommended” option as above and click the “Next” button.



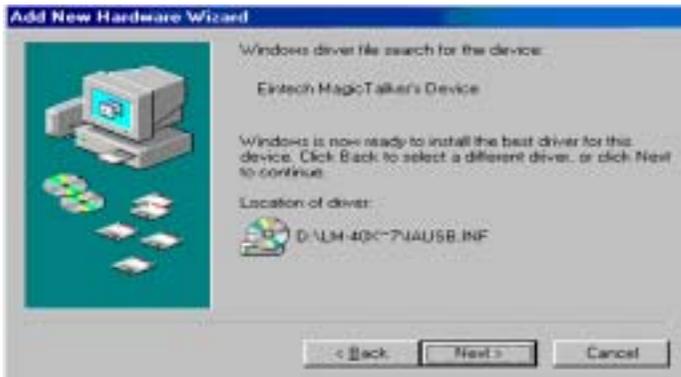
* Click the “Browse” button.



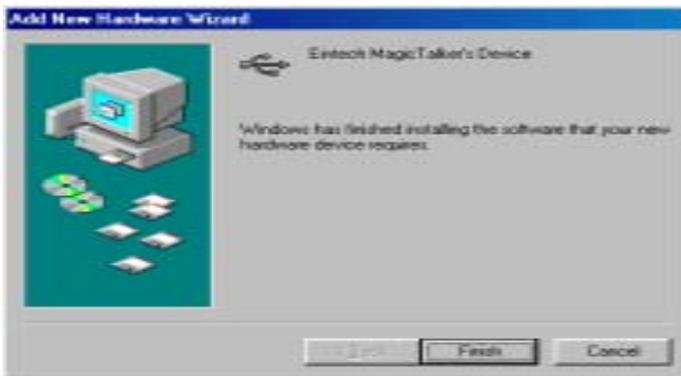
* Choose the “LM-40XUSBdrv” folder then click the “OK” button.



* Click the “NEXT” button.

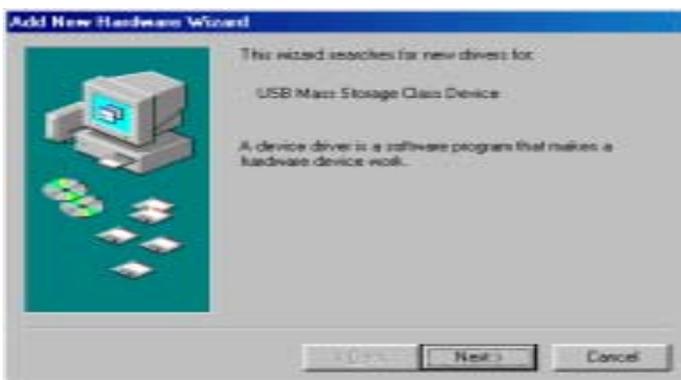


* Click the "Next" button.

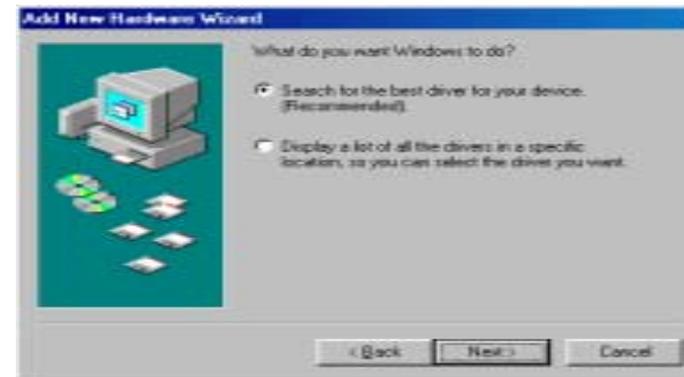


* Click the "Finish" button to continue the USB Mass Storage Class Device installation.

● Installation of USB Mass Storage Class Device



* Click the "Next" button.



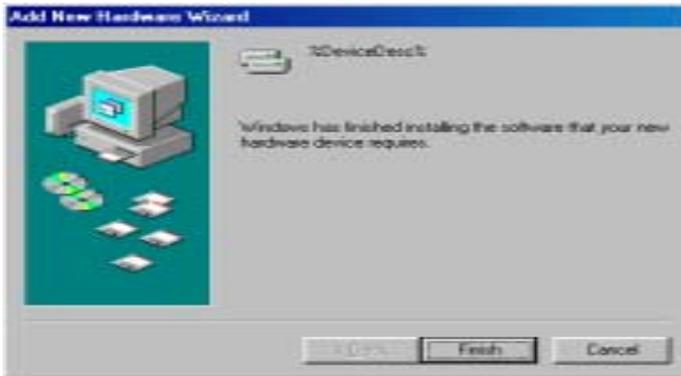
* Choose the "Recommended" option as above and click the "Next" button.



* Choose the "Specify a location" and click the "Next" button.

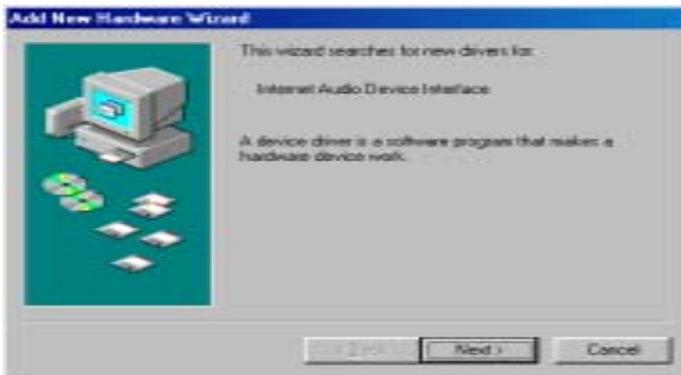


● Click the "Next" button.

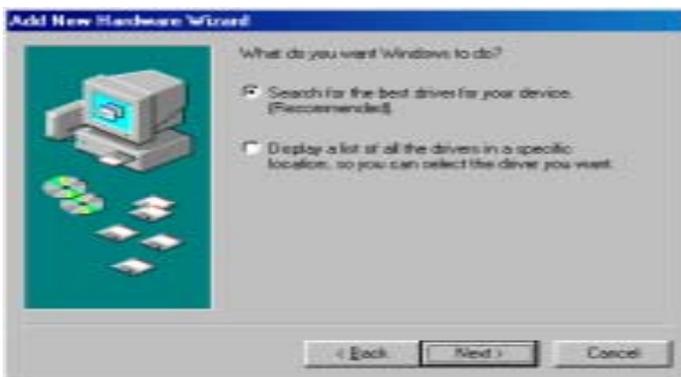


* Click the "Finish" button to continue the Internet Audio Device Interface installation.

● Installation of the Internet Audio Device Interface



* Click the "Next" button.



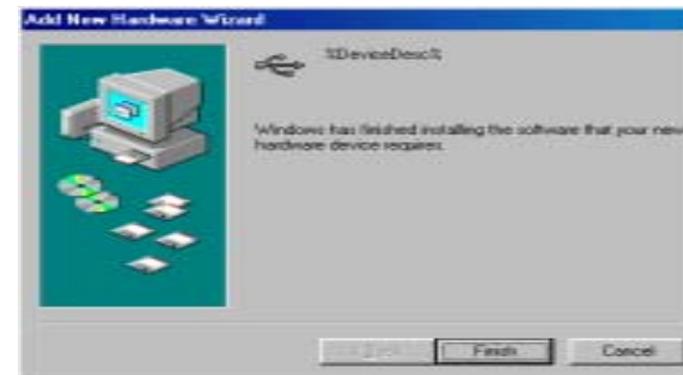
* Click the "Next" button.



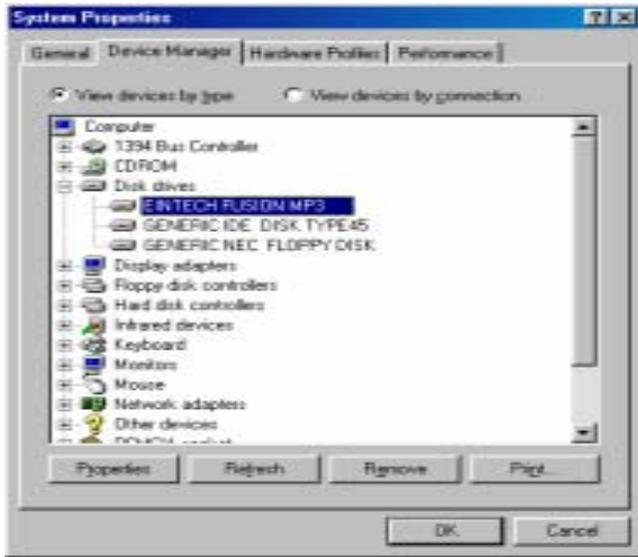
* Choose the "Specify a location" option as above and click the "Next" button.



* Click the "Next" button.



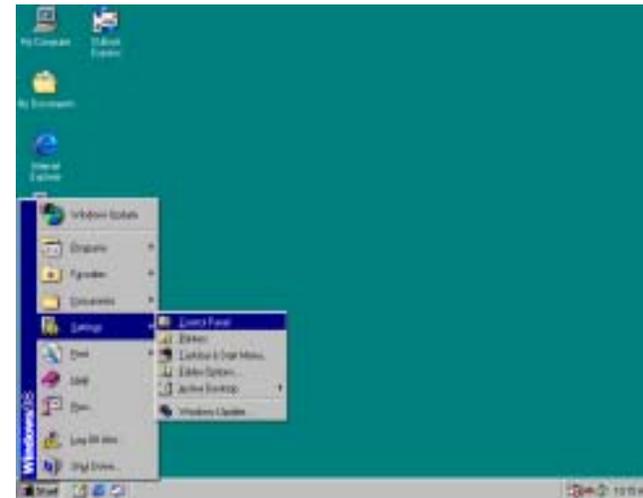
* Click the "Finish" button to complete the USB device installation.



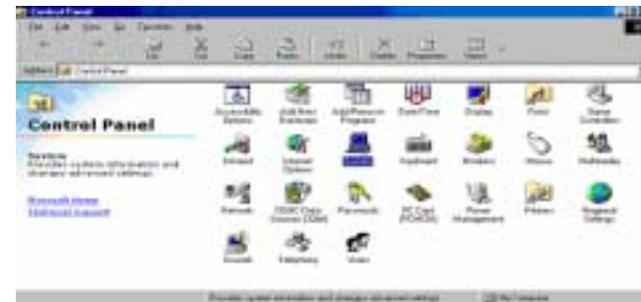
* The new "disk drives" are detected as above.

- If the "Add New Hardware Wizard" does not automatically appear on the computer screen when connecting the USB cables with a PC, please follow the instructions below to set up the USB device manually;

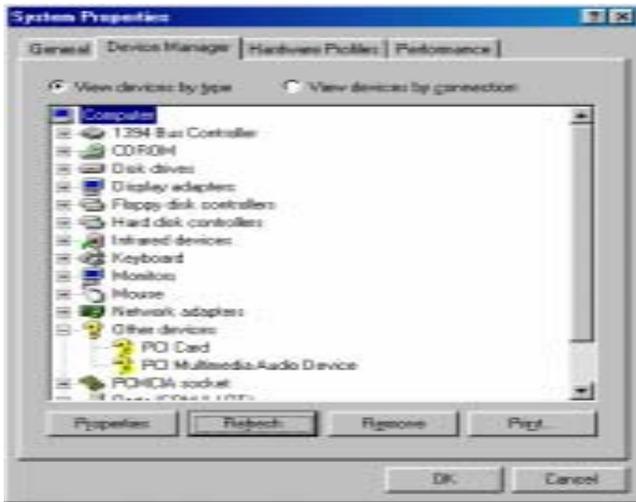
A. Open "Control Panel"



B. Double click "System" to open the system device properties window.



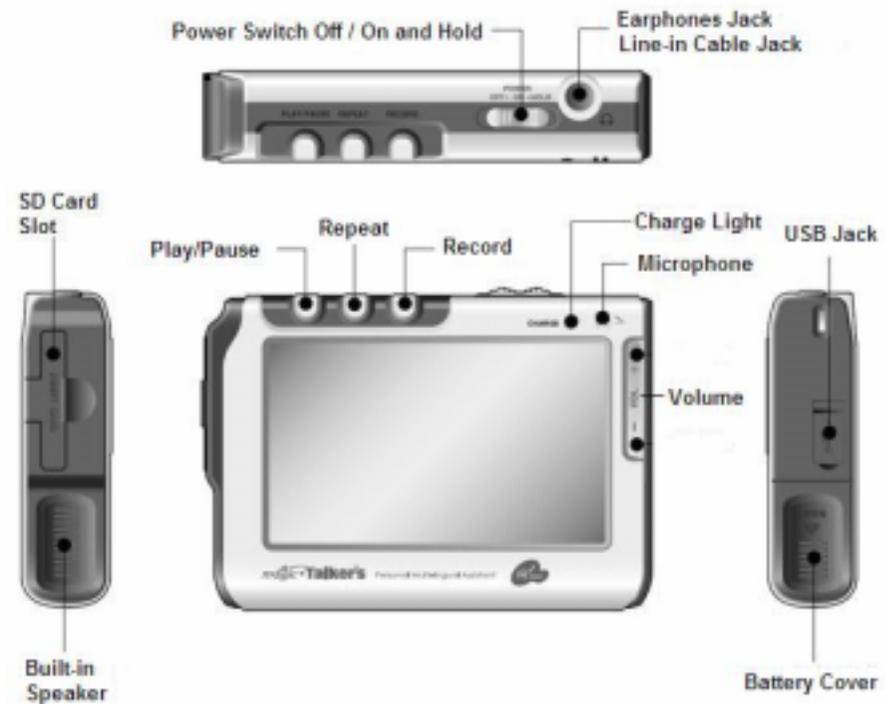
C. Now choose the "Device Manager" tab below and the "View devices by type" and click the "Refresh" button.



D. Finally, the “Add New Hardware Wizard” dialog should appear. The rest of the installation procedures are the same as instructed on page 11.



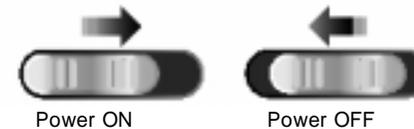
Function of Every Button on Main Device



1. Power On/Off and Hold Button

■ Power On or Off

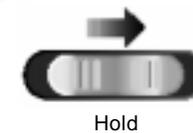
Move the “Power Switch” to “ON” or “OFF” position as below.



■ Hold

Move the “Power Switch” to “HOLD” position as below.

None of the buttons operate if the Hold button is on while the device is playing. Use this function when putting the device into a pocket or any other location where the unit may wrongly operate due to movement.



2. Play/Pause Button

■ Play

If pressing this button on the index screen such as Chapter, Section, Topic and Sentence, LCD display moves to sub-index of the relevant group.

■ Pause

If pressing this button on playing status, the screen pauses and the icon (||) will be displayed on the top right of the screen.

[Reference]

- The rechargeable battery consumes, even in a pause state. Turn the unit off when using the unit for a long time after a pause.

3. Repeat Button

■ On Conversation mode

- Sentence Repeat: If pressing the Repeat button once while playing, the icon (↺) will be displayed on the top right of the screen. This sentence repeats itself over and over. Press this button once again to release this function.
- Unlimited Repeat setup by user: Chapter/Section/Topic/Sentence
Press Setup button on Menu display and touch "Repeat Setup".
Choose repeat numbers and touch "Exit".

■ On MP3 mode

- If the Repeat button is pressed once while playing an MP3, the MP3 will be played once more (↺). If it is pressed twice, the MP3 will be on repeat (↺↺).
If the Repeat button is pressed three times, the MP3 will play on random (↺↺↺).
If it is pressed a fourth time, the function will be released.

4. Record button

■ Voice recorder function to check your own pronunciation

- If you hold down this button while playing a conversation, playing stops and the icon (🎤) will be displayed on top right of the screen and the recording will begin. Press the "RECORD" button once more to finish the recording and you can listen to the recording to check your own pronunciation and the icon (🎤) will be displayed on the top right of the screen as well. Press the repeat button to release.

■ Digital voice recorder function

- Press "RECORD" button or "REC" icon on Initial Menu Screen and press it twice to start recording.
Press one more time to finish the recording.

5. Volume Button

- Volume up: Press the Volume (+) button to increase volume.
- Volume down: Press the Volume (-) button to reduce volume.

Initial Using of Product and Initial Setup

● Power On/Off

1. Power On



Power ON

- (1) Insert a rechargeable battery.
- (2) Connect earphones with the device.
- (3) Move the "Power Switch" to "ON" or "OFF" position.

2. Power Off



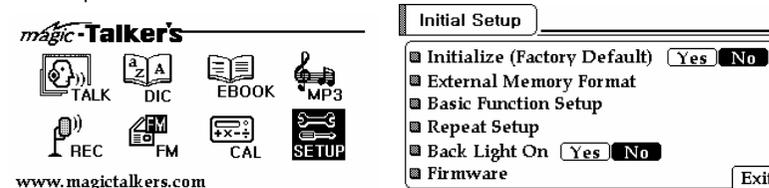
Power OFF

Move the "Power Switch" to position.

● Initial Setup

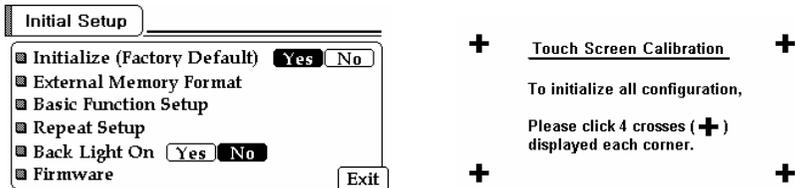
If you turn the power on, the Initial Menu display appears. If you press the "menu" icon during the playing of other parts, the Initial Menu screen appears (Press the menu button of the LCD screen in the Stop status in order to return to the Initial Menu Screen).

- The initial setup display will then appear if the "Setup" icon is lightly touched with a touch pen on the Initial Menu Screen.



1. Initialize (Factory Default)

- Select "Yes" as below figure on Initial Setup.
And then correctly touch 4 crosses (+ mark), to setup the initial shipment status (factory default).

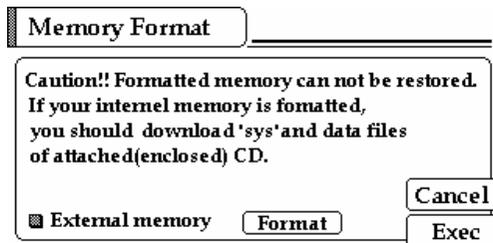


[Reference]

- If the touch panel does not function properly during use, try the factory default method setup.

2. External Memory Format

- This function is for formatting to use “SD Memory Card” first time.
- This function is for formatting when there are failures within external memory.
- This function is used when the playing process is not properly executed due to a failed connection with a computer’s USB functions.

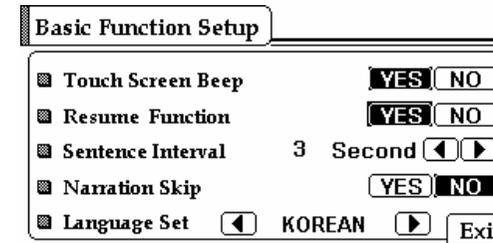


- Select “Format” of external memory and touch with “Exec” to format SD Memory Card (Separately purchase and use the SD Memory Card.)

Caution

- If formatting, all contents saved in memory are deleted.
- Before formatting, backup contents in a PC.

3. Basic Function Setup



● **Touch Screen Beep (touch screen acoustic sound)**

This function is to select the “Beep” acoustic sound when pressing a touch screen or button. The sound comes out if the user selects “Yes” and no sound will then come out if “No” is selected.

● **Resume Function (previous status memory setup)**

The Resume Function remembers where the user last off. The last index screen is stored in the memory. MP3 screens are not stored in memory. This function will not be available if the battery is taken out or worn.

● **Sentence Interval (Adjustment of time between conversation sentences)**

This function is Adjustment of time between conversation sentences. 0 ~ 9 seconds can be selected (Setup time of initial shipment is 3 seconds).

● **Narration Skip**

This function is setup to give the user a choice whether or not to listen to grammar or narrations in conversation.

[Reference]

- You can view a narration sentence only when selecting the “Normal Studying Function” from the “Study Function Setup”

● **Language Set**

This function is to setup the basic language of the device.

4. Repeat Setup

- See “Repeat Numbers Setup” of the Talk (Conversations) Learning menu (Page 27~28)

5. Backlight on

This function is to setup backlight On or Off.

6. Firmware

- You can see the version of software installed.
- Figures change as new version is issued.

Using Method by Functions

I. TALK (Conversations)

- This is a function that allows users to learn many foreign languages.



- Touch the (TALK) of the menu icon with either a touch pen or finger to move to the screen.
- List of Foreign language (TAK files) is being displayed on LCD panel. (Contents may differ depending on contents saved in the device).
- Select the language course which you want to learn.
- Press the studying level and index which you want to learn.

■ Unlimited Repeat Setup

- Press the Repeat button when playing conversations to unlimitedly repeat the sentence being played.
- Press the Repeat button once more to release the function.

■ Voice recorder function to check your own pronunciation

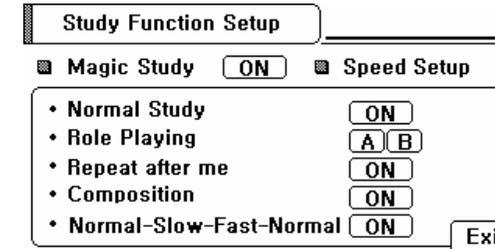
- If the "RECORD" button is pressed while playing a conversation, the playing will then stop and the icon (RECORD) will be displayed on the top right of the screen as the recording starts. Press the "RECORD" button once more to finish the recording. Users can listen to the recording to check their own pronunciation. The icon (RECORD) will be displayed on the top right of the screen. Press the Repeat button to release.

■ Sentence Conversion Function

- By touching the icon (Text) while a conversation is playing, the text display on the screen will be changed to a different order such as Spanish-English (interpretation), Spanish-Spanish, English-Spanish, or English-English.

■ Learning Function Setup

- This function is used to make learning more efficient.
- If the "Stop button" while playing conversation is pressed, the "Setup" menu appears in menu on the bottom of the screen.



● Magic Study (Magic learning function)

- The basis of Foreign Language Learning is in the repeated listening. This method is setup as standard.
- If selecting this function, repeat play is done 4 times by topic.
- The whole topic is played in normal speed twice. For the third play, it is slowly played in the first and then normal speed for sentences. It is played in normal speed again in the last fourth play. When selecting this function, the icon (M) will be displayed on the top right of the screen.

● Role Playing (Narration – Role playing)

- The user chooses the conversation role of either A or B and practices with the device.
- If the user selects A: No sound comes out from the device so that the user can converse with A's role. After a minute, A's contents are displayed and A's conversations are only heard. When selection this function, the icon (A) will be displayed on the top right of the screen.
 - If the user selects B: No sound comes out from the device so that the user can converse with B's role. After a minute, B's contents are displayed and only B's conversations are heard. When selecting this function, the icon (B) will be displayed on the top right area of the screen.

● Repeat after me (Follow the contents)

- This function is to allow the user to follow the conversation contents.
- If the setting is on "Repeat after me" to ON, the icon (RM) will be displayed on the top right area of the screen.

● Composition (Writing Practice)

- This function is to allow the user to take time to practice writing.
- If the setting for "Composition" to ON is selected, the icon (C) will be displayed on the top right of the screen.

● Normal – slow – fast – normal

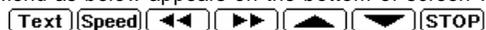
- When selecting this function, the user will hear a sentence four times. This function will play at normal speed at first, slowly in the second, fast in the third, and normal speed again in the fourth.
- When selecting this function, the icon (S) will be displayed on the top right of the screen.

Caution

- You cannot select “Magic study”, “Role-playing”, “Repeat after me”, “Composition” and “Normal-Slow-Fast-Normal” at the same time.
- Setup and use only one part to learn.

■ Speed control menu

- Menu as below appears on the bottom of screen when conversation contents are played.

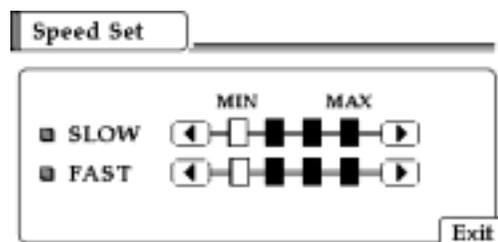


- Speed can be adjusted in three steps of Normal → Slow → Fast whenever touching “Speed” button once.

: Symbol displayed on the top right-hand of screen indicating slow speed

: Symbol displayed on the top right-hand of screen indicating fast speed

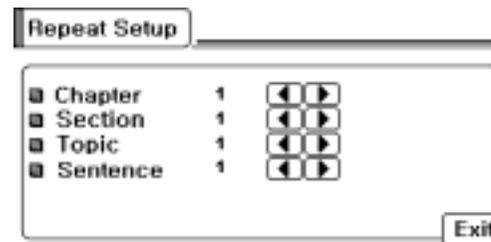
- Press “Stop” icon on the bottom right-hand of screen and press “Setup” icon. Select “Speed Setup” of “Study Function Setup” to adjust speed level (Slow, Fast). Select desired speed level by touching () menu.



- If selecting “MAX” on “SLOW” line, speed is 50% slowly played than normal speed. There are 4 bars and the interval of “slow speed” between each bar is around 12.5%.
- If selecting “MIN” on “FAST” line, speed is played at 125% of the normal speed. If selecting “MAX” on “FAST” line, speed is played two times faster than normal speed. There are 4 bars and the interval of “fast speed” between each bar is 25%.
- Speed control will be applied next sentence

■ Repeat Numbers Setup

- This function is to set up whole repeat numbers of Chapter, Section, Topic and Sentence, and is selected when desiring to listen to a group several times. Can set up from 1 to 9 times.
- The repeat setup screen appears as follows if the Repeat button is pressed after touching the Stop button during conversation.



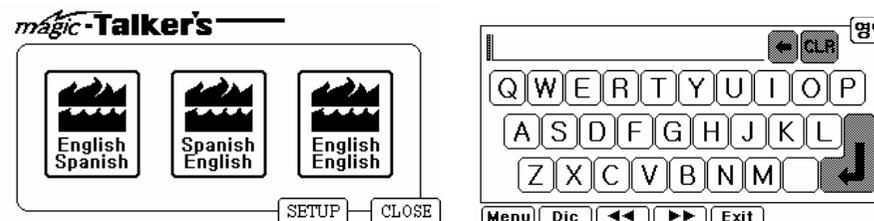
Press the Exit button once after the desired number of repeats is adjusted.

[Reference]

- Text page does not turn over together with recorded voice contents in case of the “Listening Comprehension” part or a long sentence exceeding a screen size. To match text with voice contents, move to the previous or next screen by using () button while listening.

II. Dictionary

- Dictionary of *magic-Talker's* consists of English-English, Spanish-English and English-Spanish.
- Select the () icon from the menu screen to use dictionary.
- Select the dictionary icon from English-Spanish, Spanish-English and English-English dictionary.



1. Keyboard screen Narration (English – English dictionary)

: Used to erase character by moving the cursor backward on the Word Enter Window .

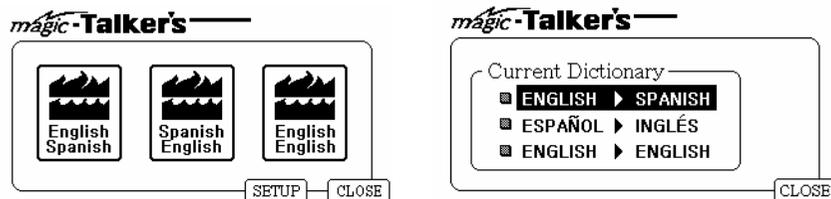
: Used to erase all characters on the Word Enter Window.

: Used when the entry is completed. Press this button after typing the first few letters of the word if the entire spelling is unknown. By doing so, similarly spelled words will come up on screen in alphabetical order.

: Used to close current screen (to finish using a dictionary).

2. Setup for dictionary

There are three dictionaries in a device. To use each dictionary while studying sentences or articles, the user should select "Current dictionary" as below.



3. Keyboard input method

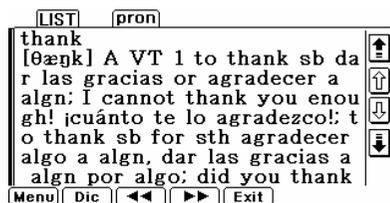
- The user should touch the spell on keyboard with a touch pen or finger.
- To look for a word called "book", sequentially press "b", "o", "o" and "k" and press the enter key.

4. Easy to use dictionary search function

- Can look up unknown words at once by touching twice the word on the screen while studying sentences or articles as below
(Touch an unknown word once and it will pause. If the user touches the word one more time, the meaning of that word or a list of similar words will appear).

4. Gracias Por Tu Oferta. M

Thank You For Your Offer.
Gracias Por Tu Oferta.



Menu Dic Setup

Menu Dic Exit

- The user may also choose to look for the dictionary in the same manner in which they would search for MP3s, lyrics and E-book.

5. Talking Dictionary Function

To listen the pronunciation of "thank" with a native speaker voice, press "pron" button in the above LCD screen.

6. Jump to other words in contents of dictionary

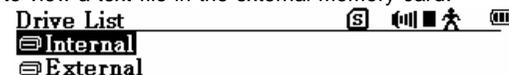
(Efficient use of dictionary)

To look for unknown words in a content again while viewing the dictionary, just touch that word twice with a touch pen

III. E-Book

1. E-book view

- Touch the E-book icon on Initial Menu Screen.
- E-book is function to view digital text (extension: .txt) files created with a PC. Maximum capacity of a text file is 1Mbyte and you can view multi-language such as English, Spanish, Chinese, Japanese, and Korean.
- Where a SD Memory Card exists in external memory card slot, a screen appears to select memory position as below screen. Select "Internal" to view an internal text file and select "External" to view a text file in the external memory card.



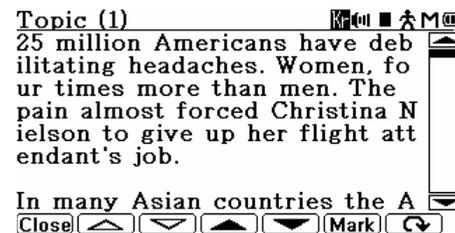
Menu Dic

- If a memory card is not inserted, Contents Screen of TEXT file appears as below.
(TEXT file must be saved after separate work in a PC.)



Menu Dic

- If selecting Topic (1) file in the above LCD screen,



Close: To close file currently viewed.

: To put up line by line.

: To put down line by line.

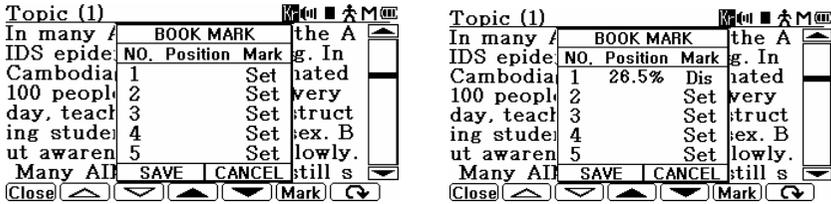
 or "REPEAT" button : To move to the previous page.

 or "RECORD" button : To move to the next page.

Mark: This is bookmark function. If setting this function up at position of file currently viewed, you can move to the bookmark position and rapidly look for when viewing file next time.

2. Bookmark setup

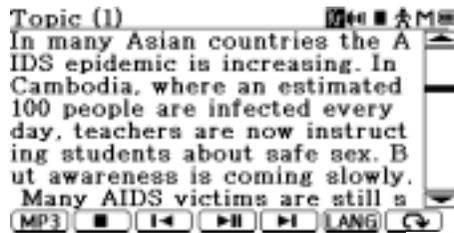
- If touching a "Mark" and "Set" while viewing E-book, setup screen appears as follow.



- Select "Save" to save the current bookmark.
- "Position" on the above screen represents position where bookmark is setup, and is displayed as "Dis" if setup is done.
- Select "Dis" to delete the setup bookmark.
- Up to 5 bookmarks can be setup.
- You can load a saved text file from "bookmark position" if you touch "1 to 5" on the above screen.
For example, just touch "1" or "26.5%" in "NO. Position" column the above screen and you can load a saved text.

3. MP3 listening during playing E-book

- Select the icon () to play MP3 file while viewing E-book as below.
- A menu appears to use MP3 function as below figure.



- MP3 list screen appears to select MP3 song if pressing the  and you can select MP3 song.
- Just touch the name of MP3 Song on the screen and can listen the music.
- To view E-book menu again, touch the () and touch "Close" menu on the bottom of the screen.
- When characters of E-book file on the screen cannot be seen, select "LANG" menu on the bottom of the screen and then select language suitable (Language indication appears on the top right of the screen as below).
Kr: Korean, JP: Japanese, CN: Chinese.

IV. MP3 Player

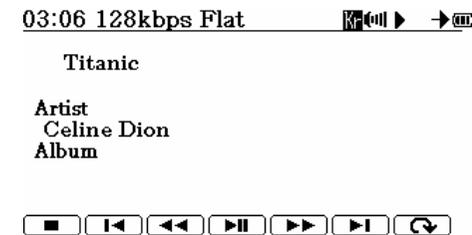
- The MP3 icon is in the Initial Menu Screen.
(Press menu button of the LCD screen on stop status to return to below screen).



- The following MP3 file list screen appears when the "MP3" icon is touched by touch pen or finger. Just touch the song name to listen to an MP3.



MP3 song plays with below screen.



-  : Returns to MP3 List File screen while stops.
-  : Used to select the previous music.
-  : Used to go back 4 seconds in a song.
-  : Operates as Play/Pause function.
-  : Used to fast forward 4 seconds in a song.
-  : Used to select the next music.

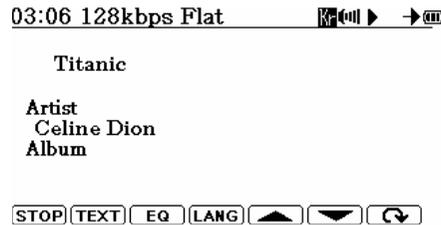
[Reference]

- For WMA files, the Fast Forward/Rewind function does not work.
- WMA files are displayed as below when the function is the same as Mp3"s.



● **To see lyrics, touch the “text” menu on the bottom of screen.**

(To view lyrics, same text file as song title is required. For example, if song title is “love.mp3”, there must be a “love.txt” file).



- A Text Screen can automatically turn over a page once the lyric work is done (It explained more in detail on next page).

■ **Repeat setup**

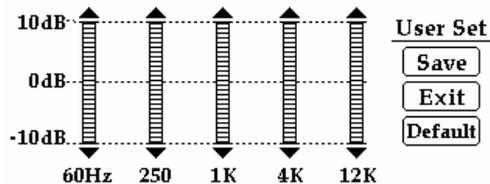
- Whenever the Repeat button is pressed once, the icon (→) on the top right of the screen changes to repeat the same song (🔄), to repeat all songs (🔄), or to repeat songs in random order (🔄).

■ **EQ setup**

- Characters on the central side changes Classic, Rock, Jazz, Pop, and User from Flat whenever pressing the EQ menu once.

- User EQ setup

The setup mode appears as it does below once the EQ icon is touched and becomes the User Setup Mode.



Touch the (▲ ▼) button in every frequency to change setup.

If touching the “Save button” after setup is changed, USER EQ setup value is saved and the screen changes to MP3 play screen to play.

■ **Language setup**

The icon on the top right-hand of screen changes in order of “Kr” (Korean), “Jp” (Japanese), “Cn” (Chinese), and “Th” (Thai) whenever pressing the “Lang” button (English is basically provided and there is no specific icon).

[Reference]

- For MP3 File List and Song Title displayed on the screen, only file with ID Tag appears. (If there is no ID Tag, English of 8 characters are displayed.)
- Time appearing on left top of screen when playing MP3 song indicates time that MP3 song is processed.
- To be supported multi-language, MP3 file must be worked in a window of every language.
- To view lyrics, same text file as song title is required (For example, if song title is “love.mp3”, there must be a “love.txt” file).
- For the file worked in lyric, there is no need of “txt. File”.
- For method to use lyric, see following.

■ **Using Lyrics in MP3**

- You can listen to music or language learning program provided with this device while viewing lyrics from the screen by using lyrics support function. General audio file does not include lyrics. Thus, to be supported lyrics, you must directly enter lyrics or make a file by using lyric data obtained from Internet, etc.
- To make song lyrics, Plug-in called Winamp and Lyric3 are required.

[Reference]

- In Winamp, lyric is only supported in Ver.2.8X.
- To download Plug-in called Lyric3, see refer <http://cosorio.cjb.net/winamp-en.html#lyrics>

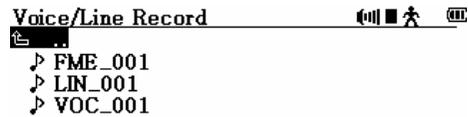
V. Digital Voice Recorder

1. Voice recording

- Press the “RECORD” button or touch the “REC” icon from the initial menu screen. Where there is a “SD Memory Card” in the slot of the external memory card, a screen appears to select memory position as below screen. Select “Internal” to record in internal memory and select “External” if desiring to record in external memory card.

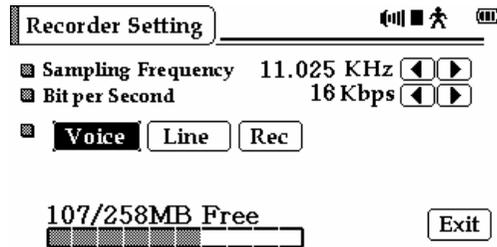


- If a memory card is not in the device, contents screen of file already recorded as follow appears.

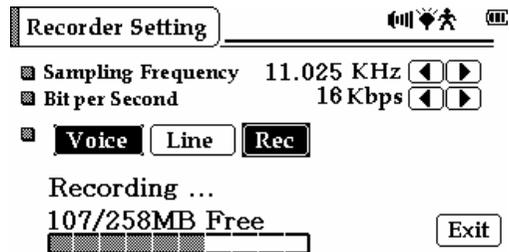


**** In case of recording in internal memory**

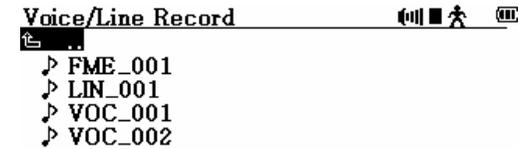
1) A screen to set up "Sampling Frequency" and "Bit per Second" as below screen appears if pressing the "RECORD" button or touch icon (Rec) on the bottom of the screen once more from the above Contents Screen.



2) Following screen appears and recording starts if pressing the "RECORD" button or touch icon (Rec) on the middle of the screen once more from the above screen after selecting "Sampling Frequency", "Bit per Second" and "Voice".



3) To stop recording, press the "RECORD" button of the device or "Stop" button of the device. Recorded files appear on the screen as below.



[Reference]

- A file called "VOC_00X" is created after voice is recorded. "X" sequentially changes from 1 when recording voice.
- "Sampling rate" is related with whether voice quality is clear or vague, and bit resolution is related the extent of voice, namely dynamic range. Try to define concept in respect of digital conversion process. Sampling rate represents how precisely it is separated and contained in wavelength cycle per second, and bit resolution represents how much quantity of amplitude signal is processed. In addition, bit rate represents numbers of bit transmitted per hour. The higher bit per second takes the larger data.

Table) Recording Time Table as per Bit Rate

Unit: Minute

Bit Rate	128 Mbyte	256 Mbyte	512 Mbyte
16 Kbps	1,090	2,180	4,360
24 Kbps	720	1,440	2,880
32 Kbps	540	1,090	2,180
40 Kbps	430	870	1,740
48 Kbps	360	720	1,450
56 Kbps	310	620	1,240
64 Kbps	270	540	1,090
80 Kbps	210	430	870
96 Kbps	180	360	720
112 Kbps	150	310	620
128 Kbps	130	270	540

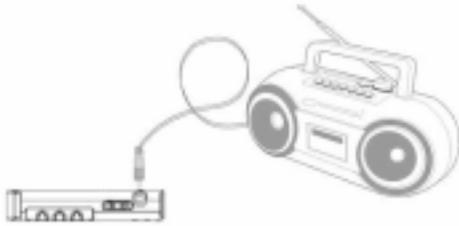
[Reference]

- The above recording time table represents conversion per capacity and actual recording time may vary depends on contents contained in memory and the size of a system file.

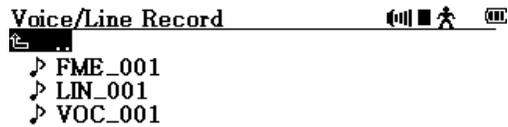
2. External signal recording

**** Recording in internal memory**

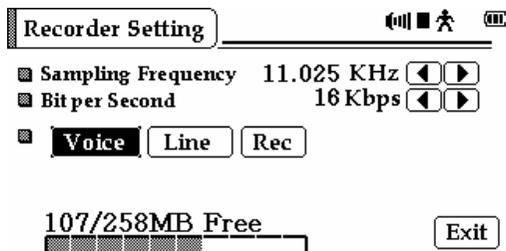
- Using the "line-in cable", connect from the device to external device to record as following figure.



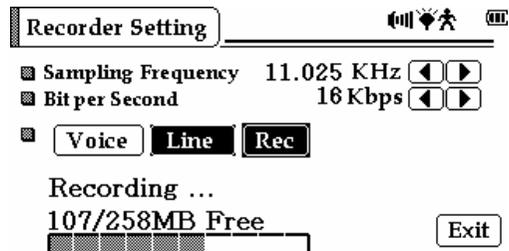
- Connect between the speaker output jack (earphones jack) of the outside device and the line-in cable jack (earphones jack) of the device (*magic-Talker's*). Contents of files early recorded as follow appear if pressing the "RECORD" button of the initial screen or touching the "REC" icon on the screen.



- A screen appears to set up "Sampling Frequency" and "Bit per Second" as in the below screen if pressing the "RECORD" button of the device or the "Rec" menu on the middle of screen. Set up "Sampling Frequency" and "Bit per Second" on the screen.

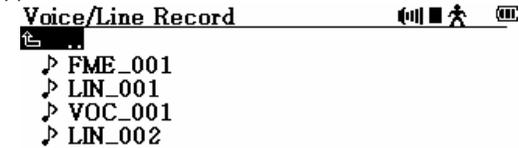


- Following screen appears and recording starts if pressing the "RECORD" button after selecting "Line".



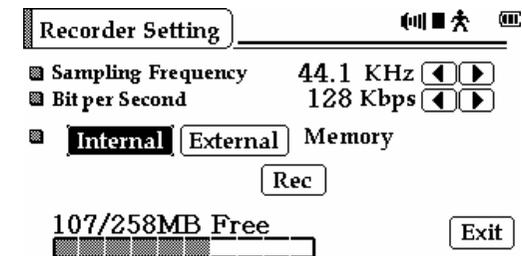
- To stop recording, press the "RECORD" button or "Stop" button of the device.

Recorded file appears on the screen as follow.

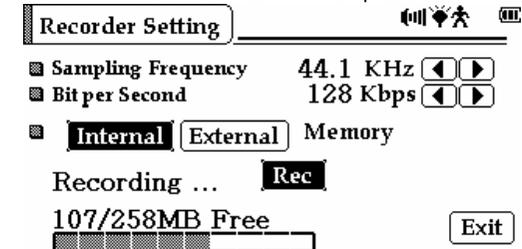


** Recording FM radio in internal memory

- For recording, press the "REC" button or "Stop" button of the device while listening a radio and following screen appears.



- To start recording, set up "Sampling Frequency", "Bit per Second", and memory position to be recorded on the above screen. Then press the "RECORD" button.



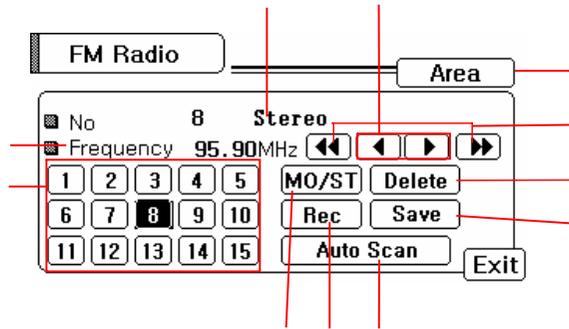
- To stop recording, press the "RECORD" button or "Exit" icon of the device. Recorded files can be checked by pressing the "RECORD" button or touching the "REC" icon on the Initial Menu Screen. Name of recorded files is shown FME-00X. The numbers sequentially change from FME_001.

Caution

- Don't connect "line-in cable" during FM recording.
- No recording is executed if connecting "line-in cable" during FM recording.

VI. FM Radio

- To listen FM radio, be sure to connect the earphones jack to the device.



- (1) Displays channel, mono or stereo of broadcasting.
- (2) Displays broadcasting frequency.
- (3) Can save broadcasting channels up to 15 channels.
- (4) Country selection.
- (5) Scan automatically next broadcasting channel.
- (6) Scan manually broadcasting channel.
- (7) Delete broadcasting channel saved.
- (8) Save manually broadcasting channel.
- (9) Select on mono or stereo for broadcasting channel.
Use this function when there is severe noise.
- (10) Scan automatically and save broadcasting channel automatically.
- (11) Used to record FM broadcasting.

** Area selection: Setup by country.



1. Automatic broadcasting channel scan

Next broadcasting channel is promptly selected if pressing the (◀▶) button of the LCD screen.

2. Manual broadcasting channel scan

Scan manually broadcasting channel desired if pressing the (◀▶) button of the LCD screen.

3. Automatic broadcasting channel saving

Scan automatically and save broadcasting channel automatically after pressing the (Auto Scan) button of the LCD screen.

4. Broadcasting channel saving manually

- (1) Select desired address (1 to 15 numbers on LCD screen)
- (2) Select channel using the (◀▶) button of the LCD screen
- (3) To save manually, press the (Save) button of the LCD screen.

5. Deletion from saved channel

- (1) Select desired address (1 to 15 numbers on LCD screen).
- (2) Delete is executed while pressing the (Delete) button on the LCD screen.
- (3) Next saved address is placed on the deleted address.

6. FM radio recording

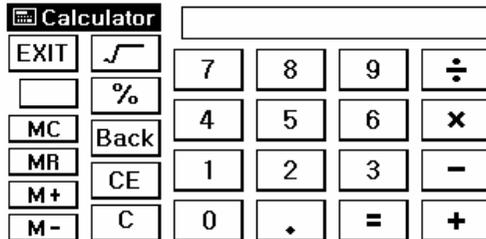
- (1) Select desired channel to record.
- (2) A recording screen appears if pressing the (Rec) button.
For subsequent recording method, refer to FM Radio Recording explained before.

[Reference]

- Up to 15 broadcasting channels can be saved.
- FM radio is operated only when a remote control or earphone is connected to the device.

VII. Calculator

- You can use electronic calculator function with electronic calculator icon ( CAL) in the Initial Menu Screen.
- Calculator function is operated same as general calculator.



■ Symbol Narration

- MC: Erases memorized number.
- MR: Read memorized number
- M+: Save + number
- M-: Save - number
- +, -, x, ÷ : Addition, Subtraction, Multiplication, Division Symbol
- BACK: Erases last number justly entered.
- %: Percent symbol
- $\sqrt{\quad}$: Symbol to indicate root.
- CE: Erases numbers on screen
- C: Erases numbers on screen and all numbers entered.

■ Four rules of arithmetic operation

$5 + (10 \times 12) = ?$

Entry order: [5] [M+] [1][0] [x] [1][2] + [MR] [=]

Answer: 125

■ Percent calculation

What's 20% of 75?

Entry order: [7][5] [x] [2][0][%]

Answer: 15

■ Calculation of root

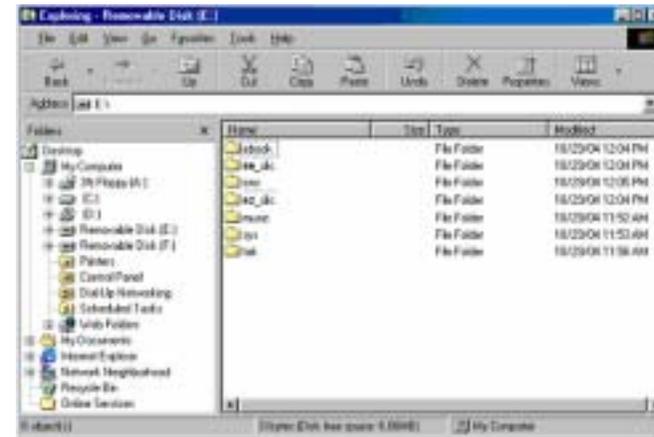
$2 \times \sqrt{50} = ?$

Entry order: [5][0] [$\sqrt{\quad}$] [x] [2] [=]

Answer: 14.1421356236

Directory Composition

magic-Talker's, LM-405ES model appears in the form of removable memory disk when it is connected with the computer through USB cables and a directory is basically setup.



1. System directory: [sys]

- This is a *magic-Talker's* system directory and composed of software for operation of product.
- System may not operate due to failure if deleting or changing files of the system directory. Don't delete or change files of the system directory.
- If there is memory failure, reformat the device by copying all the files in the system directory ("sys") by use of the separately provided CD.

2. Language learning contents directory: [tak]

- Language learning contents used in *magic-Talker's* has an extension, ".tak" (file extension).
- Save all language learning files for *magic-Talker's* in the "tak" directory.
- Select files in the "tak" directory of the CD separately provided with the product and then copy and use them to the product when deleting or changing language learning files.

3. Dictionary contents

● English-English dictionary: [ee_dic]

English-English dictionary files exist in the [ee_dic] directory.

● Spanish-English dictionary and English-Spanish: [es_dic]

Spanish-English dictionary and English-Spanish dictionary files exist in the [es_dic] directory.

4. Music file related directory: [music]

- Save MP3, WMA files in the "music" directory for use.
- Music files are not separately provided and you must have them via internet or in other methods.

5. Recording related directory: [enc]

- Voice Recording, Direct Encoding and FM Recording files are saved in the “enc” directory.

6. E-book related directory: [ebook]

- E-book related files must have extension of “.txt”.
- Files made in other extension do not work.
- To use E-book function, make files in the form of extension “.txt” in a PC and then save them in the “ebook” directory in *magic-Talker's*.

Failure Checkpoints

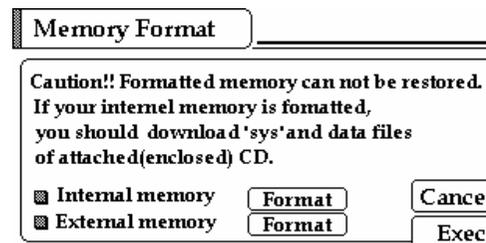
Firstly check followings if failure of product is found.

No power on	<ul style="list-style-type: none"> ● Check polarity of a battery. ● Ensure that Hold button of the main device is turned on. ● Check the battery is entirely discharged.
No adopter operates	<ul style="list-style-type: none"> ● Check adopter are properly plugged in. ● Check USB terminal is properly connected.
No charging	<ul style="list-style-type: none"> ● Check an adapter/charger is inserted into the main device. ● Check polarity of the adapter/charger is right. ● Insert the adapter/charger and check USB terminal is properly connected.
Strange characters appear when listening MP3	<ul style="list-style-type: none"> ● Check “LANG” menu (Multi-language Selection) to select to another language.
No LCD screen appears	<ul style="list-style-type: none"> ● Check the rechargeable battery is inserted. ● No power turns on if the battery is discharged. ● Check there is “sys(system file)” in the main device. ● No LCD turns on if “sys(system file)” is not in the main device. ● Check “sys(system file)” is damaged.
Noise is heard and channel is not well caught when listening to a radio	<ul style="list-style-type: none"> ● A remote control or earphones plays a role of an antenna when listening to a radio. Therefore, you cannot listen to a radio without connecting them for broadcasting. ● Check radio broadcasting area is properly selected. ● Try to change product's direction. ● Turn electrical appliances near product off. In this case if noise reduces, move product away from electrical appliances for operation.
No work with Touch pen on LCD screen	<ul style="list-style-type: none"> ● Setup “Factory default” from Initial Setup. (Before doing that, Save files in the device there is danger of loss).

Recovery Method of File System Error and Format of Internal/External Memory

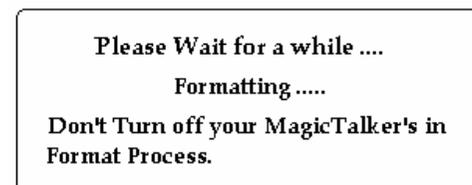
Recovery method is as follow when the main device does not operate due to failure of the file system in use:

1. Remove the battery from the device.
2. Place “Power switch ON”
3. While pressing “RECORD” button, connect USB cable to the device.



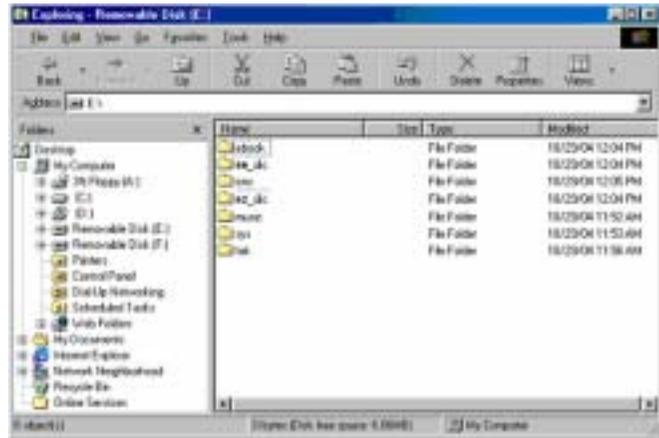
4. Select Internal Memory Format if a screen appears as above.
5. Format is executed if touching “Exec” with memory selected.

Low Level Format



6. Connect a device with a PC by using USB cables after format is completed.

7. Select "Copy" in PC menu after selecting "Directory File" of the CD separately provided
 (You should copy "7 Directory Files" such as ebook, ee_dic, enc, es_dic, music, sys and tak directory file).



8. Select "Paste" in PC by pressing the right mouse button of a mouse after selecting Mobile Disk with a mouse.

Product Specifications

Product name	Personal Multi-lingual Assistant
Brand	<i>magic - Talker's</i>
Model name	LM-400 Series
Memory	Internal: Built-in 64~512MB Memory External: 32MB~1GB SD Memory Card compatible (The SD Memory Card is sold separately)
Dimensions	82.7(W) x 57.5(H) x 15.7(D) mm
Weight (Main device)	70 g (without battery)
Power	Rechargeable battery (DC 1.2V, NiMH 1450mAh), AC adapter/charger (DC 5V, 500mA, Dual usage for adapter and charger), Computer power using a USB cable
Battery Operating Hours	About 5 Hours for playing contents with earphones
LCD display	320 x160 Graphic LCD, 40 Characters x 10 lines LCD display on English text Touch panel application & EL application
USB	USB 1.1
MP3	MP3: 32 kbps ~ 320 kbps /WMA: 32 kbps ~ 128 kbps
Recording	16 kbps ~ 128 kbps (Voice and FM Recording, Direct Encoding)
FM Radio	87.5 ~ 108 MHz,
Frequency & Antenna	Earphones cord antenna
E-book	.txt file with ~ 1MB capacity
Channel numbers	Stereo (Left/Right side)
Earphones output	8mW
Speaker output	150mW
Operating temperature range	Condition: 0°C~40°C
Composition	Main device, Earphones, Rechargeable battery, Adapter/Charger, USB cable, Line-in cable, User manual, Contents/driver CD, Neck strap with touch pen ** Option ** Carrying Case
System Requirements	Pentium 133 MHz or more, USB port 1.1, CD-ROM Drive, Available hard disk space more than 100MB, Windows 98/Millennium/2000/XP

** Design and Specifications are subject to change without notice for quality improvement.