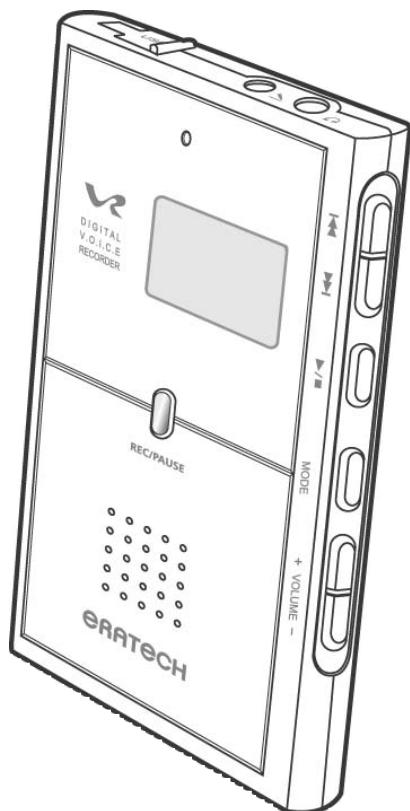


ERATECH



USER GUIDE

Digital Audio Recorder (EVR-150)



► Before using the EVR-150

- Thank you for choosing Eratech's exciting new digital product, the EVR-Digital Audio Recorder(EVR-150).
- For optimum performance please read the User Guide before operating the recorder.

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<PRE-SET RECORDING MODE>

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► HIGHLIGHTS AND FEATURES

- The EVR-150 Digital Audio Recorder is a portable digital audio player as well as Digital Audio Recorder. Users can save recorded voices as MP3 files, making the EVR-150 a very useful/powerful tool for saving business discussions, meetings, consultations, telephone/mobile phone conversations, school lectures, foreign language lesson/education tapes, FM broadcasts, as well as instantaneous ideas and interviews. You can replay high quality sounds or messages from the device repeatedly and/or save them on your PC.
 - Unlike other Audio Recorders, the EVR-150 can save your voice as an MP3 file without the benefit of a PC(direct encoding), making it convenient to listen and play saved songs and messages through the built-in speaker as well as on your PC. Listening to saved MP3 music and FM broadcasting has never been easier!
-

■ **High Quality Recording Sound**

Record high quality audio, sound or voice files as MP3 files.

■ **Compact & Ultra Slim Design**

The EVR-150 is smaller than a business card with an eye-catching 9.5mm ultra-slim design.

■ **MP3 Format Voice Save Function**

Users can save high quality audio, sound or voice recordings as permanent MP3 files on a PC.

■ **Multi-lingual Support**

The EVR-150 supports various languages, such as English, Korean, Chinese, Japanese, and French etc., displayable on the LCD screen.

■ **Incredibly Quick Data transmission (USB Support)**

Download files in record speed with the USB interface.

■ **Rechargeable Battery**

The battery can be charged via the USB port.

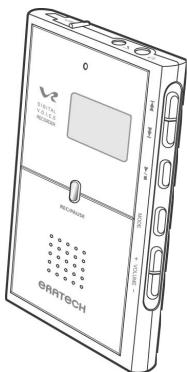
■ **High Sensitive Internal Microphone**

An omnidirectional, highly sensitive internal microphone allows sounds to be captured and recorded from all directions.

■ **Firmware Upgradeable Function**

The EVR-150 offers firmware upgradeability. Users can easily update the functions to have access to the latest emerging standards and enhanced features.

► COMPONENTS AND ACCESSORIES



EVR-150 Primary Settings



User Guide



Stereo Earphones



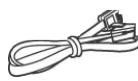
Ni-MH 1.2V
Rechargeable Battery



External
Microphone



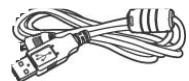
Telephone
Recording Adapter



Telephone
Recording Cable



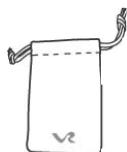
Line in/out
Cable



USB Cable



PC install CD disc



Carrying Case

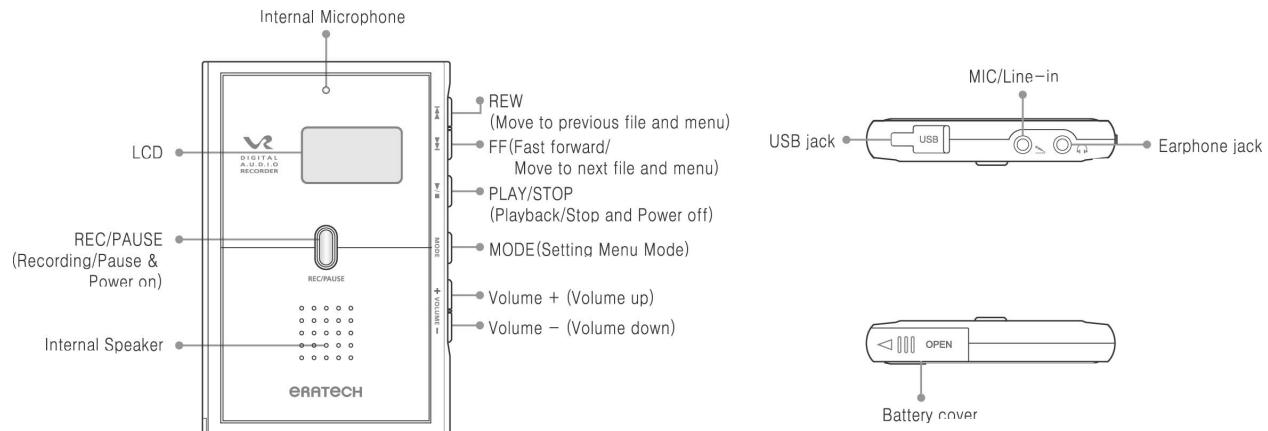
■ OPTIONAL

- Quick Charger
- Hands free

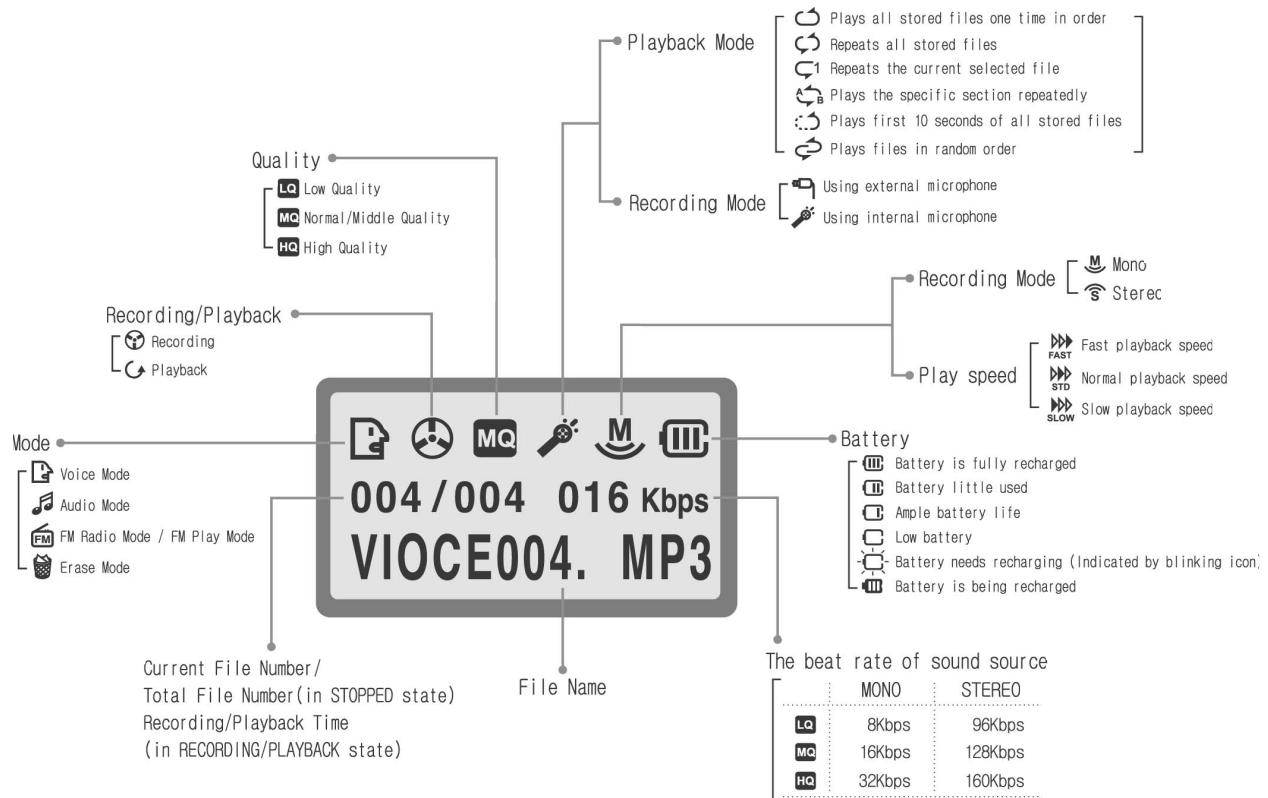
※ Accessories are subject to change without notice for improvements.

► PLAYER CONTROLS

■ Primary Settings



■ Viewing the Display Screen

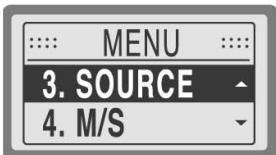


► MODE MENUS

■ Voice Mode Menu



1. HOLD : Locking the player.
 - 1. HOLD ON : Locks the player
 - 2. RETURN : Move to a higher menu
2. REPEAT : Repeating Playback.
 - 1. NORMAL : Plays all stored files once, in the order they were recorded
 - 2. ONE : Repeats the current selected file
 - 3. ALL : Repeats all stored files
 - 4. INTRO : Plays introductory portion all stored files
 - 5. RETURN : Move to a higher menu



3. SOURCE : Setting the Internal or External Microphone.
 - 1. MIC : Record Voice by using microphone
(internal or external microphone, hands-free)
 - 2. LINE IN : Record Voice or sound from external audio devices
 - 3. RETURN : Move to higher menu
4. M/S : Selecting Mono or Stereo Settings.
 - 1. MONO : Record as mono sound quality
 - 2. STEREO : Record as stereo sound quality



5. QUALITY : Selecting the Quality of the Sound/Recording.
 - 1. LQ : Lower sound quality than normal setting
 - 2. MQ : Normal/Middle sound quality
 - 3. HQ : Higher sound quality than normal setting
 - 4. RETURN : Move to higher menu
6. SYSTEM
 - 1. EL TIME : Used to set the blinking interval of the EL back light
(select 3/7/15 seconds or OFF)
 - 2. DISPLAY : Sets the luminosity of the LCD display
(If press play/stop button when setting contrast , save new value.
And if exit menu with mode button , Contrast 's value isn't be set)
 - 3. MEMORY : Displays the total and remaining memory capacity
 - 4. VOR : Automatically pauses recording if there is no sound
(select 5/10/15/20/25 seconds)
 - 5. SYNC : Creates new files by setting up song/file recording intervals
(select 1/2/3/5/15 seconds)
 - 6. FIRMWARE : firmware upgradeable function.
 - 7. FM BAND : Set the FM band frequency for US/EUROPE/JAPAN.
Note : All countries have the same FM frequency with
the exception of Japan
 - 8. RETURN : Move to higher menu
7. Button : To preset recording mode.
 - 1. MIC : To record with Internal /External MIC or Hands free.
 - 2. LINE IN : To record from an external source.(PC or Audio)
8. EXIT : Exiting the Menu.

► MODE MENUS

■ Audio Mode/FM Play Mode Menu



1. HOLD : Setting for locking the player.
 - 1. HOLD ON : Locks the player
 - 2. RETURN : Move to a higher menu

2. EQUALIZER(EQ) : User controlled Pre-set sound equalizer.
 - 1. NORMAL : Normal balance
 - 2. POP : Balance suitable for pop music
 - 3. ROCK : Balance suitable for rock music
 - 4. CLASSIC : Balance suitable for classical music
 - 5. LIVE : Balance suitable for live music
 - 6. RETURN : Move to a higher menu



3. REPEAT : Setting for repeat playback.
 - 1. NORMAL : Plays stored files once, in the order they were recorded
 - 2. ONE : Repeats the current selected file
 - 3. ALL : Repeats all stored files
 - 4. INTRO : Plays introductory portion all stored files
 - 5. RANDOM : Plays files in random order
 - 6. RETURN : Move to higher menu

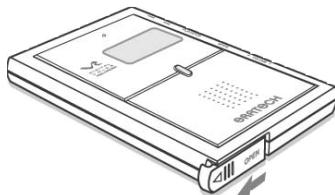
4. SPEAKER : Setting for internal speaker.
 - 1. ON : Listening with internal speaker
 - 2. OFF : Listening with a earphones



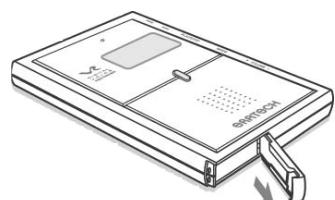
5. SYSTEM : Refer to VOICE MODE.
(see page P7)
6. EXIT : Exiting the Menu.

► POWER SOURCES

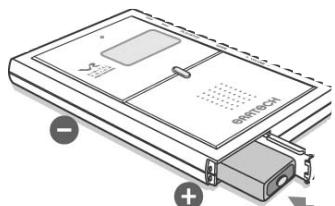
■ How to Insert the rechargeable battery



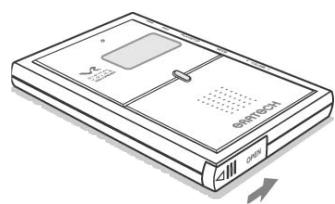
① Slide the battery cover in the direction of the arrow.



② Open the battery cover in the downward direction as the picture indicates.



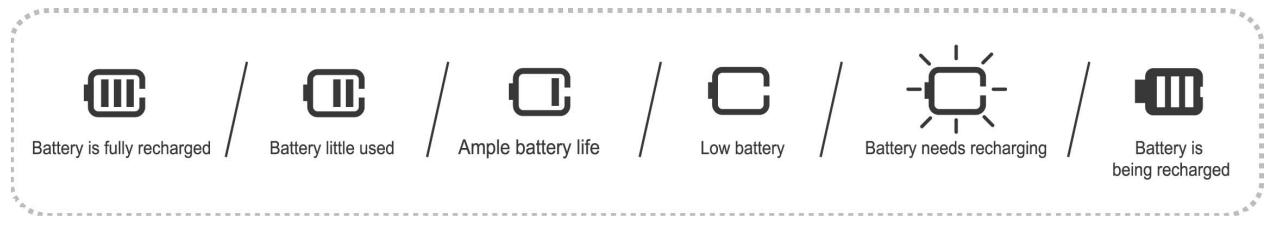
③ Insert the rechargeable battery as shown in the picture.
Adjust the (+)(-) polarities of the batteries in the compartment.



④ Close the battery cover.

Note The battery life is 10 hours maximum if the earphone is used.

※ Remember to check the remaining battery life before recharging



► POWER SOURCES

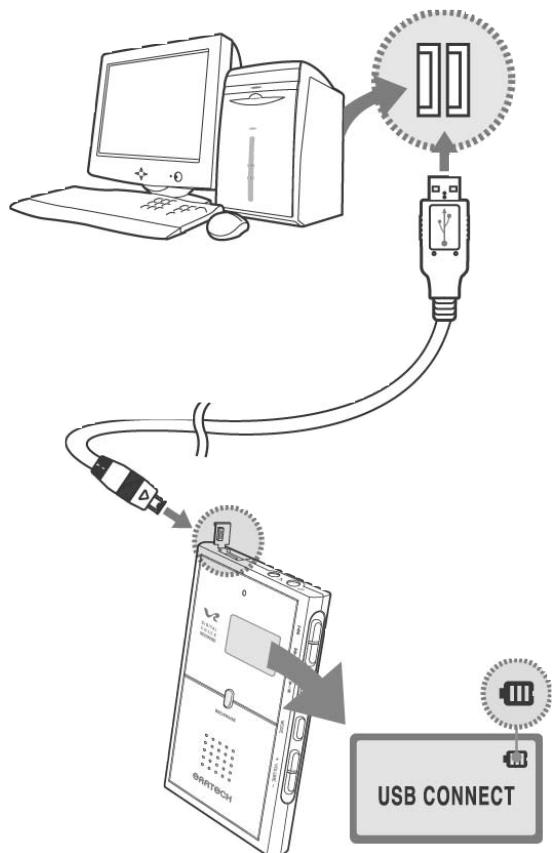
■ Recharging the battery

You can recharge the player by connecting it to a USB port from the PC.

1. Recharging by connecting USB cable to the player through USB power converter.

It is possible to recharge even if the battery is not fully discharged. (No need for discharging)

To charge is available on VOICE, AUDIO, FM playback and recording mode.



① Connect the USB cable to USB port of the PC when the PC is powered on.

② To power on the digital audio recorder.

③ Connect the USB cable to the USB port of player.

⑦ Press MODE button to return from menu and display () icon on LCD. If charging is finished, the icon will be changed to ().

※ If Rechargeable Battery is not inserted into the player, Display "Battery" on LCD.

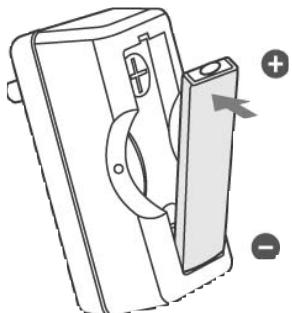
※ When USB cable connect to PC and Recorder, please dis-connect earphone from recorder.

※ The battery takes 6~7 hours to fully-recharge.

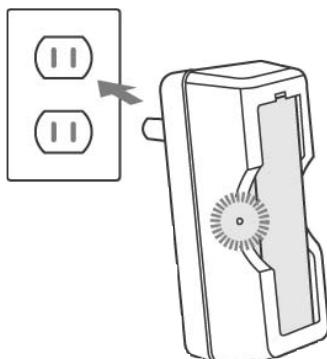
► POWER SOURCES

2. Recharging using quick charger (Optional)

It's possible to recharge even if the battery is not fully discharged.



- ① Place the rechargeable battery on the quick charger as shown in the picture.
Adjust the (+)(-) polarities of the batteries in the compartment.



- ② Insert the quick charger in a wall outlet (110V).
(LED turns on red light during recharging and turn off light when recharging is completed.)

- ③ The battery takes 2 hours to fully-recharge.

※ When Battery icon on LCD of the player blink, please recharge the Ni-MH rechargeable battery.

► BASIC USAGE

■ Power On/Off



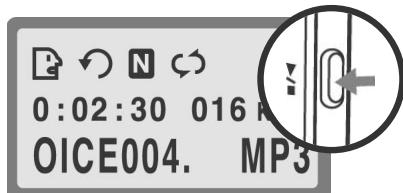
- ① To power on, press the REC button for 2 seconds.

Note If the REC button is pressed longer than 2 seconds, the EVR-150 will start recording automatically.

- ② To power off, press the PLAY/STOP Button 2 or more seconds.

Note If you power on the main setting, the last setting (MODE) will be displayed on the LCD.

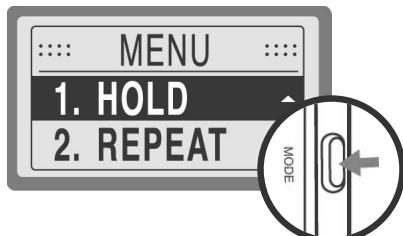
■ Playback/Stop



- ① Pressing the PLAY/STOP button will play a file when the EVR-150 is powered on.

Note The EVR-150 is automatically powered off after 3 minutes of non-use.

■ Hold On



- ① Press the MODE button to go to the Menu.

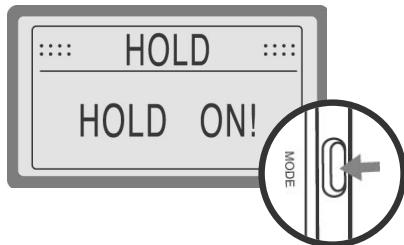


- ② Select HOLD ON, and then press the PLAY/STOP button.



If the MODE button is held for longer than 2 seconds the MODE will be changed into 4 Section Mode.

► BASIC USAGE

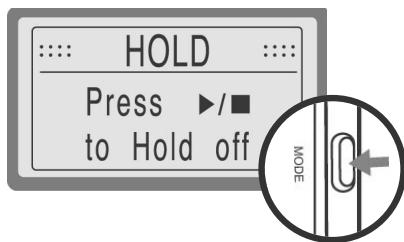


③ If display "HOLD ON" on LCD, exit from menu with pressing MODE button.

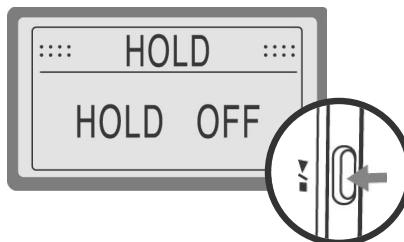


④ If press any button except "MODE", display "KEY HOLD" on LCD.
If press MODE button, display "PRESS ▶/■ TO HOLD OFF" on LCD.

■ Hold Off



① When set 'HOLD ON' , press MODE button shortly.

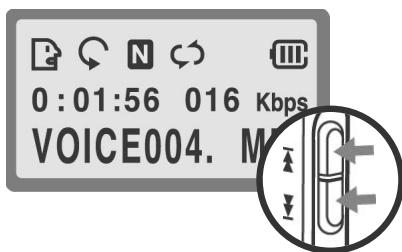


② To set "HOLD OFF", press PLAY/STOP button.

※ If press MODE button for over 2 seconds , mode may be changed .
To set HOLD OFF, press MODE button shortly.

► BASIC USAGE

■ Seek and Search

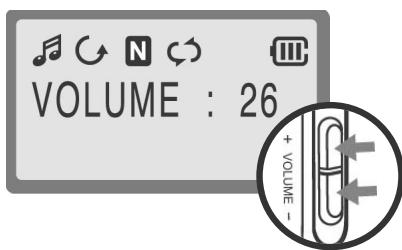


- ① During playback in the Stop mode, press the FF/REW button to navigate to the desired file.



- ② Press and hold the FF/REW button until the desired time, the EVR-150 will start playback from that point.(SEEK Function)

■ Volume Control

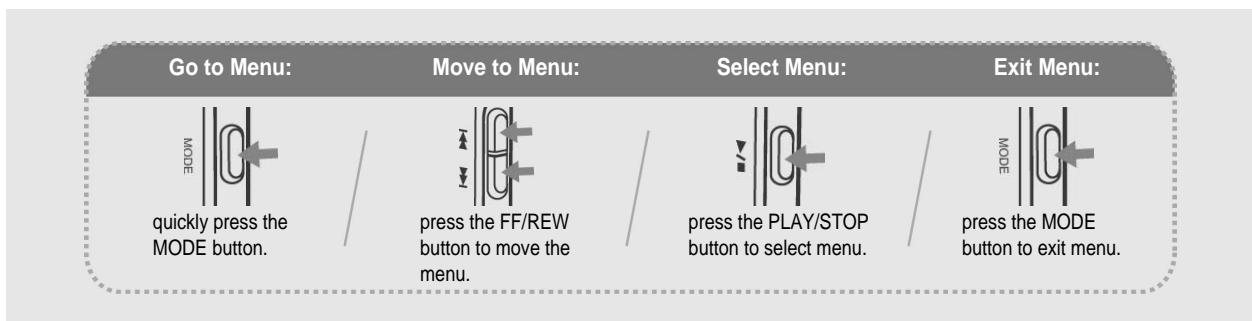


- ① Adjust the volume by pressing (+)/(-) buttons.
(If press (+)/(-) for a long time, volume level continuously goes up.)

- ※ With earphone use the volume level is controllable from 0 to 30.
- ※ With internal speaker use the volume level is controllable from 0 to 24.

■ Setting Menu

The menu for each mode can be set during PLAYBACK or STOP.



► BASIC USAGE

■ Mode Change

The EVR-150 has 5 MODES: VOICE MODE - FM RADIO MODE - FM PLAY MODE - ERASE MODE - AUDIO MODE.

To navigate to the next mode, press the MODE button for 2 seconds while the EVR-150 is in the STOP state.



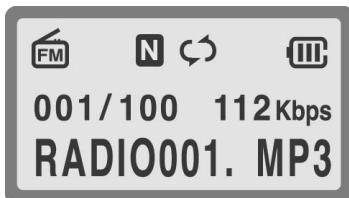
① VOICE MODE

Voice Recording and Playback.



② FM RADIO MODE

User can save FM frequencies and record/listen to FM broadcasting as well.



③ FM PLAY MODE

Play back recorded FM radio and/or broadcasting.

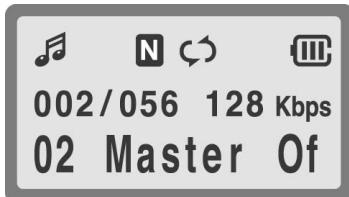
Note

This mode is available only if a recorded FM broadcast/music file already exists.



④ ERASE MODE

Erase each files and/or folder of VOICE MODE, AUDIO MODE and FM PLAY MODE.



⑤ AUDIO MODE

Playback MP3 and WMA audio files.

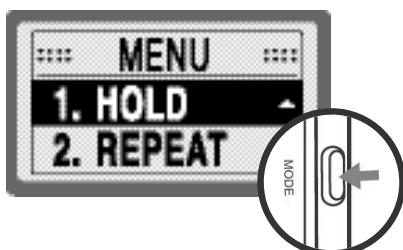
Note

By pressing the REC button in STOP state, the recording function is activated.

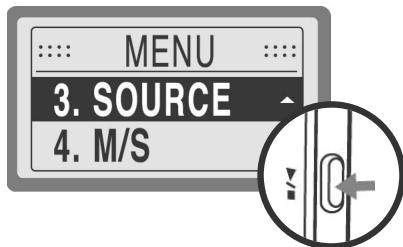
► VOICE RECORDING AND PLAYBACK

■ Using the Internal Microphone

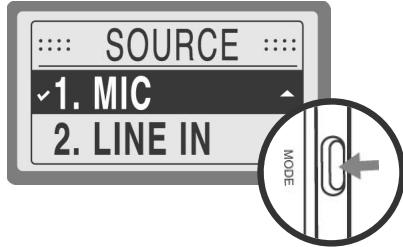
Before recording, set the Internal/External Microphone, Mono/Stereo, Quality and VOR function(s). For instructions on setting these functions, refer to pages 21~23.



① Press the MODE button to move to MENU in Voice Mode.



② Press the FF/REW button to move to 'SOURCE' menu, and then press the PLAY/STOP button to select.



③ Press the FF/REW button to move to 'MIC' menu; press the PLAY/STOP to select it and press the MODE button to exit MENU.



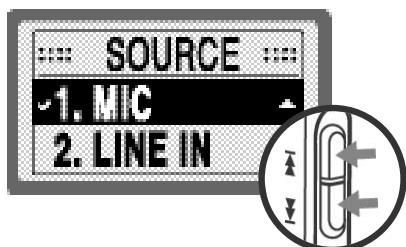
④ In the STOP state of VOICE MODE(or AUDIO MODE), press the REC button to start recording.

Note Press the REC/PAUSE button to pause recording temporarily. Press the PLAY/STOP button to stop recording.

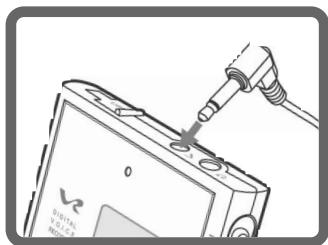
- ※ During recording, the REC icon() will appear on the LCD display and the blue LED light will blink. The blue LED light will appear solid if the pause button is pressed once. By pressing the REC button again, recording will resume and the LED light will blink.
- ※ Recorded file(s) automatically assigned the next available number following the last recorded file.

► VOICE RECORDING AND PLAYBACK

■ Using the External Microphone



- ① Use the same method described for the external microphone: set [MENU]-[SOURCE]-[MIC].



- ② Connect the external microphone to external jack of the EVR-150 using earphone connector.



- ③ In the STOP state of VOICE MODE(or AUDIO MODE), press the REC button to start recording.
To pause recording, press the REC/PAUSE button.
To stop recording, press the PLAY/STOP button.

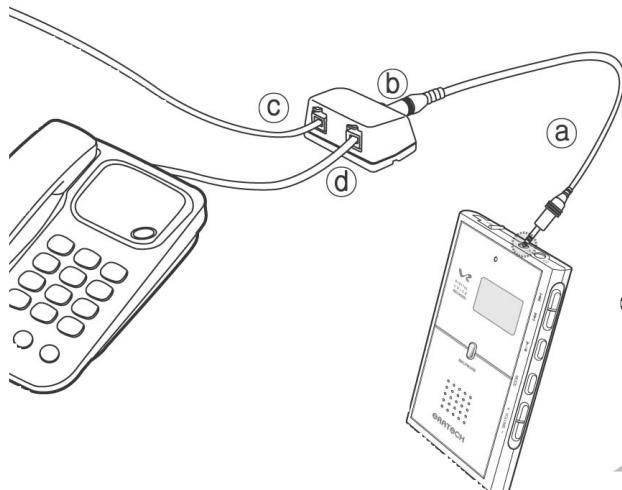
* (✓) mark means user's current setting.

► VOICE RECORDING AND PLAYBACK

■ Using Line-in Recording

Use the same method as using an external microphone: set [MENU]-[SOURCE]-[MIC].

a. Recording Telephone Conversations

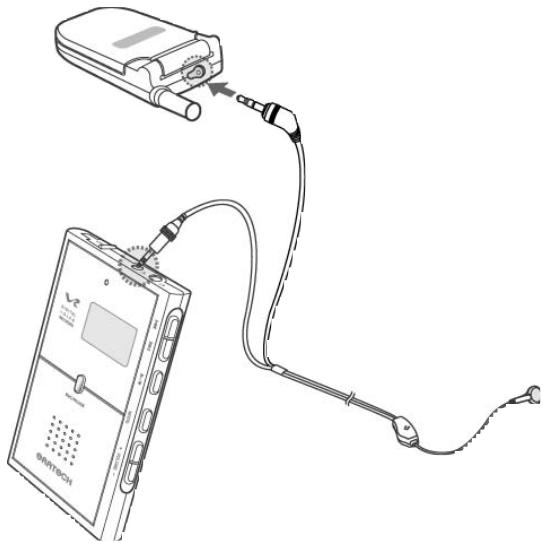


① Connect the audio cable to the microphone jack() of the EVR-150(**a**). Connect the other head of the audio cable to telephone adapter(**b**). Connect the incoming telephone line(a service line) to the telephone adapter(**c**). Connect the telephone cable between the telephone and telephone adaptor(**d**).

② To record a telephone conversation in VOICE MODE(or AUDIO MODE), press the REC button to start recording.

Note To pause recording, press the REC/PAUSE button. And to stop recording, press the PLAY/STOP button.

b. Recording Mobile Phone Conversations



① Connect the " - " jack of the hands free set(optional) to the earphone jack of the mobile phone . Next, connect the " - " jack of the hands free set to the microphone jack ()the EVR-150.

② To record a telephone conversation in VOICE MODE(or AUDIO MODE), press the REC button to start recording.

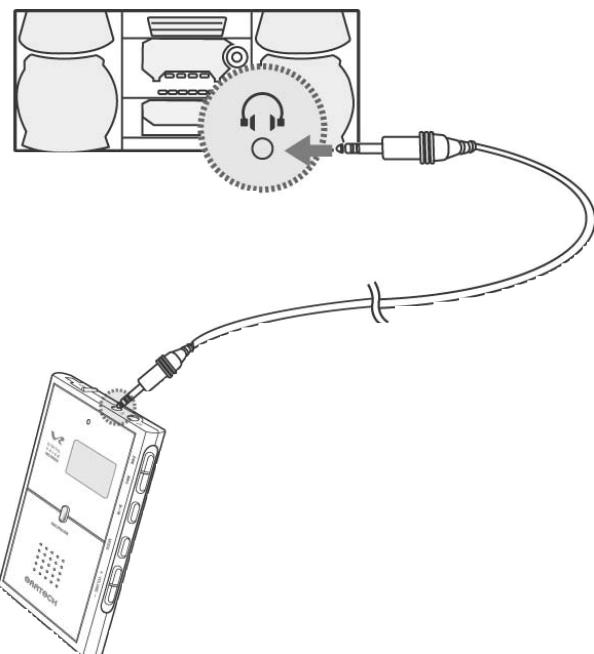
To pause recording, press the REC/PAUSE button. To stop recording, press the PLAY/STOP button.

Note This function is only applicable if the mobile phone has an earphone jack. Some mobile phones might not be compatible(operate properly).

► VOICE RECORDING AND PLAYBACK

c. Record From an External Source (Your PC or Audio Devices)

If the volume level of your external device is too high, it can cause some noise/distortion. Before recording, set [MENU]-[SOURCE]-[LINE IN].



① Connect the audio cable to microphone jack (MIC) of the EVR-150 and connect the other head of audio cable to the earphone jack of the audio devices.

② Press the REC button to start recording. To pause recording, press the REC/Pause button. To stop recording, press the PLAY/STOP button.

※ Recording quality and timetable (based on 128MB)

	MIC		LINE- IN		
	MONO		MONO		STEREO
LQ	8 Kbps	Max.2180 Min	8 Kbps	Max.2180Min	96 Kbps
MQ	16 Kbps	Max.1090 Min	16 Kbps	Max.1090Min	128 Kbps
HQ	32 Kbps	Max.540 Min	32 Kbps	Max.540Min	160 Kbps

※ The sound quality is automatically set to MONO when the internal microphone is in use.

 The STEREO mode is only applicable with the external microphone or external audio devices.

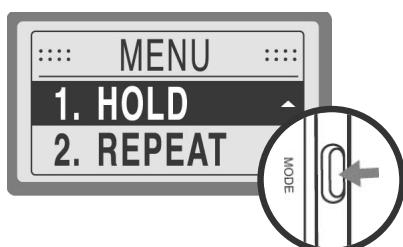
※ When recording from an external sound source, such as an audio devices, select STEREO/HQ mode for high quality recording sound.

 In this mode the recording time will be reduced.

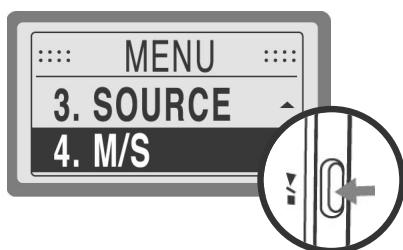
► VOICE RECORDING AND PLAYBACK

■ Setting the MONO/STEREO Function

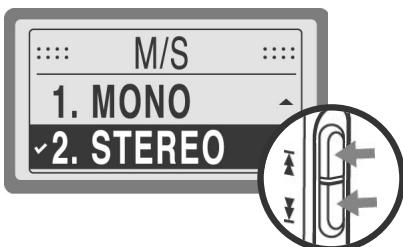
If an audio cable will be used for recording purposes set the MODE prior to recording.



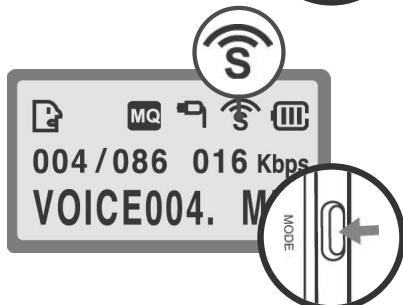
① Quickly press the MODE button.



② Press the FF/REW button to move to the 'M/S' menu and then press the PLAY/STOP button.



③ Press the FF/REW button to choose either MONO or STEREO, and then press the PLAY/STOP button.



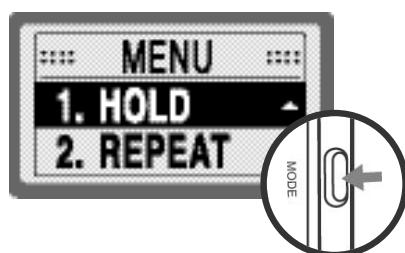
④ Press the MODE button to exit the menu. Make sure the icon on the LCD.

- ※ If you select [MENU]-[SOURCE]-[MIC] and move to M/S MODE, 'MONO!!' message will appear on the LCD.
- ※ STEREO is only available when connecting external devices and by setting the following MODE: [MENU]-[SOURCE]-[LINE IN].

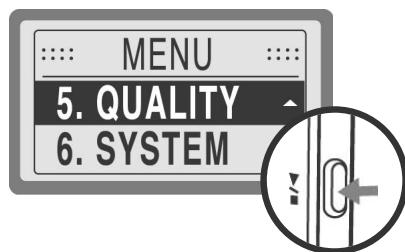
► VOICE RECORDING AND PLAYBACK

■ Selecting Recording Quality

It is recommended that recording quality be selected prior to actual recording.



① Press the MODE button.

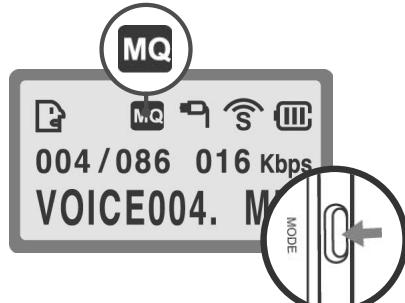


② Press the FF/REW button to move to the QUALITY menu, and then press the PLAY/STOP button.



③ Press the FF/REW button to select among LQ, MQ and HQ, and then press the PLAY/STOP button.

LQ	Low Quality	Lower sound quality than Normal
MQ	Normal Quality	Normal/Middle sound quality
HQ	High Quality	Higher sound quality than Normal

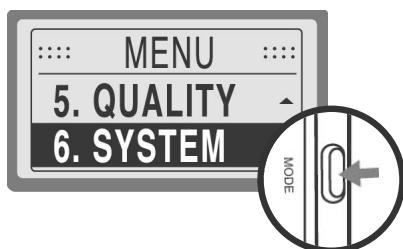


④ Press the MODE button to exit menu, make sure the MQ icon is on the LCD.

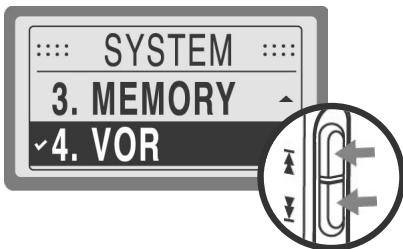
► VOICE RECORDING AND PLAYBACK

■ VOR(Voice Operating Recording) Function

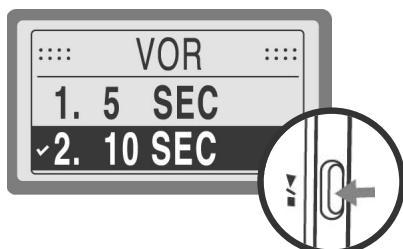
To automatically pause recording when there is no sound or voice present (and prevent unnecessary recording), use the VOR function. This function maximizes recording time and is very useful for recording telephone conversations and lectures. User can set the VOR time.



- ① Quickly press the MODE button. Press the FF/REW button to move to SYSTEM menu, and then press the PLAY/STOP button.



- ② Press the FF/REW button to move to VOR menu, then press the PLAY/STOP button and select 'OR ON'.
Then press the PLAY/STOP button.



- ③ Press the FF/REW button to select your desired time and press the PLAY/STOP button.



- ④ Press the MODE button to exit the menu and make sure the setting(VOR time) is on during recording.

※ User can select VOR times of 5, 10, 15, 20 and 25 seconds.

※ The VOR function might not operate properly if a loud, grinding noise is present.

► VOICE RECORDING AND PLAYBACK

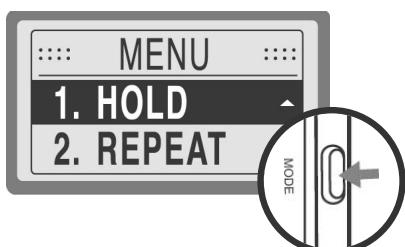
<PRE-SET RECORDING MODE>

This function is to pre-set recording mode used frequently.

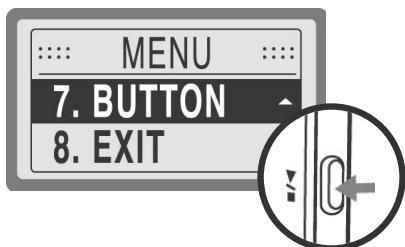
Without setting record mode every time , User can instantly record by pressing RECORD button for a long.

■ Using the Internal Microphone

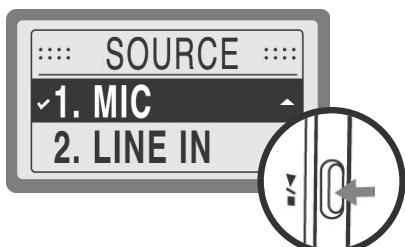
If select MIC, set "MONO" automatically.



① Press MODE button ,to enter menu.



② Press FF/REW button to move to BUTTON MENU, select BUTTON MENU with PLAY/STOP button.

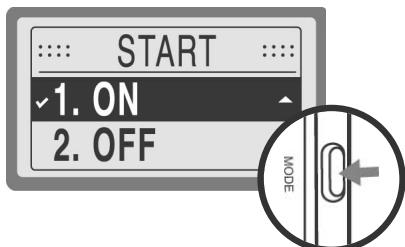


③ Go to MIC mode with FF/REW button and select with PLAY/STOP button.
(If select MIC, Set "MONO" automatically.)



④ Select quality of the sounds with FF/REW and PLAY/STOP.

LQ	Low Quality	Lower sound quality than Normal
MQ	Normal Quality	Normal/Middle sound quality
HQ	High Quality	Higher sound quality than Normal



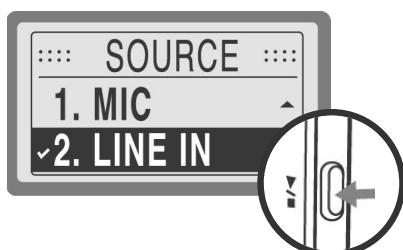
④ After select ON/OFF with FF/REW button, exit the menu with MODE button.

※ This function is operated only when select "ON" in START menu.

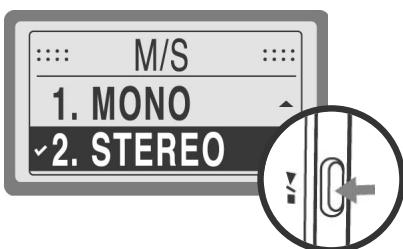
► VOICE RECORDING AND PLAYBACK

■ Using the External Microphone

If Select Line-in ,set STEREO automactly.



- ① As same recording from internal mic, go to [MENU]-[Button] and select LINE IN.

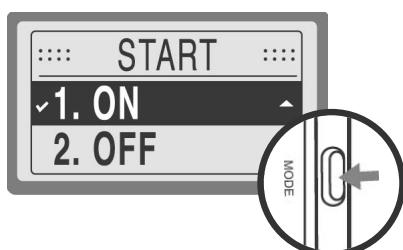


- ② If select [LINE IN] , set STEREO automatically.
To set MONO , select MONO with FF/REW and PLAY/STOP button.



- ③ Select quality of the sounds with FF/REW and PLAY/STOP.

LQ	Low Quality	Lower sound quality than Normal
MQ	Normal Quality	Normal/Middle sound quality
HQ	High Quality	Higher sound quality than Normal



- ④ After select ON/OFF with FF/REW button, exit the menu with MODE button.
If select OFF, this function isn't operated .

※If exit menu during setting , set the previous recording mode.

※When pre-set recording mode.

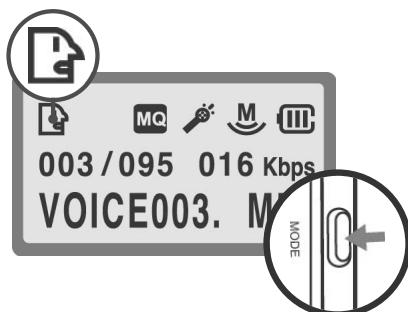
If press () button shortly , record by the mode saved on SOURCE menu.

If press () button for over 3 seconds , record by mode saved on BUTTON.

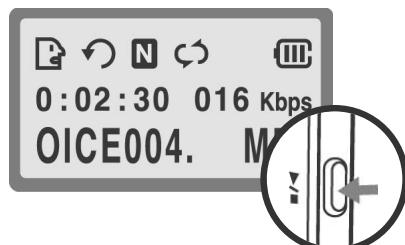
► VOICE RECORDING AND PLAYBACK

■ Adjusting the Playback Speed

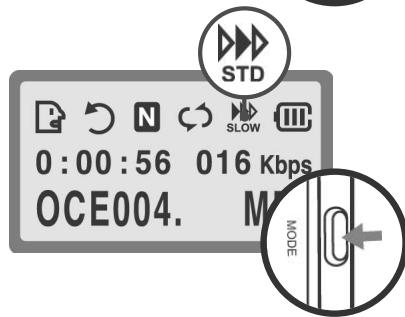
User controllable play speed during playback.



① Press the MODE button 2 seconds to change to VOICE MODE(or AUDIO MODE, FM PLAY MODE).



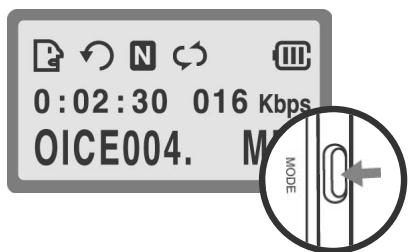
② Press the FF/REW button to select the desired file and then press the PLAY/STOP button to play. (To stop, press PLAY/STOP button again.)



③ To change the play speed, press the MODE button up to 2 seconds during playback. The SPEED icon will be displayed on the LCD. To select your desired speed, press (+)(-).

	Slower than Normal speed
	Normal speed
	Faster than Normal speed

④ To cancel the play speed setting, press the MODE button 2 seconds.

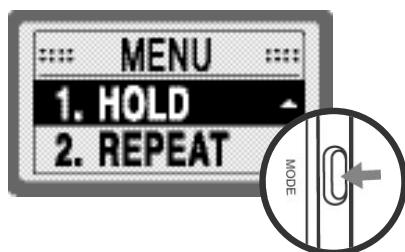


- ※ User can control the play speed during the playback of every file in each MODE(VOICE MODE, AUDIO MODE, FM PLAY MODE).
- ※ If user disconnects the earphone from the EVR-150 during the playback of a recorded sound or voice file, the user can listen to the sound or voice through the internal(built-in) speaker.

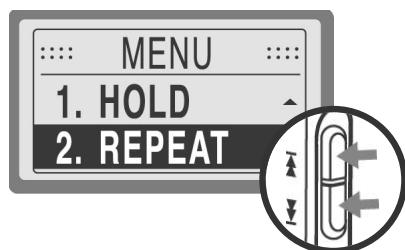
► VOICE RECORDING AND PLAYBACK

■ Setting the Repeat Function

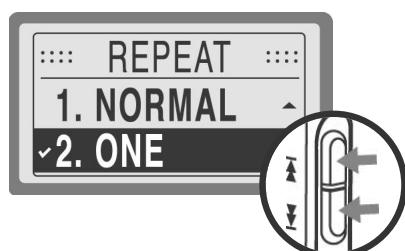
User can set REPEAT method.



① Press the MODE button.

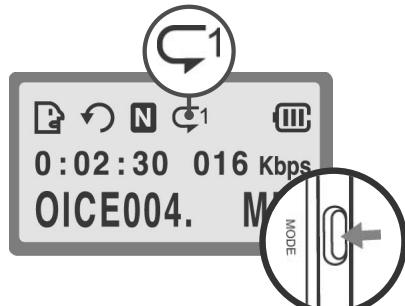


② Press the FF/REW button to navigate to REPEAT and then press the PLAY/STOP.



③ Press the FF/REW button to select NORMAL-ONE-ALL-INTRO and then press the PLAY/STOP button.

NORMAL	↻	Plays all stored files one time (in order)
ONE	↪1	Repeats the current selected file
ALL	🔁	Repeats all stored files
INTRO	↪5	Plays the first 10 seconds of each file

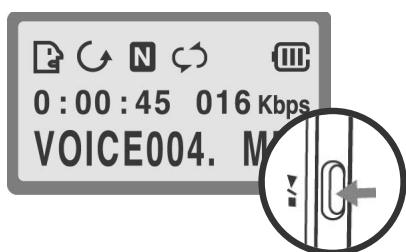


④ Press the MODE button to exit the menu(make sure the REPEAT icon is on the LCD display).

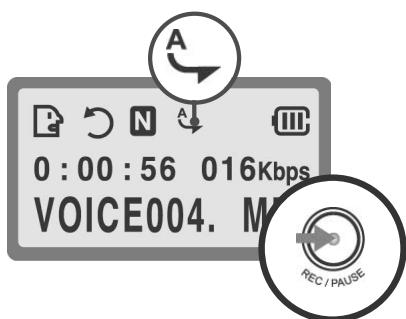
► VOICE RECORDING AND PLAYBACK

■ Repeat Segment(A↔B)

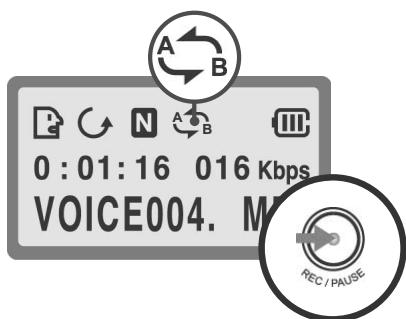
Play and listen to the specific section repeatedly.



- ① Press the PLAY/STOP button to play the selected file in VOICE MODE.



- ② Press the REC button to set the start point(the beginning of a section).



- ③ Press the REC button once again to set the end point(the ending of a section). The specific section you selected will be played repeatedly.



- ④ Press the REC button again to stop repeat the segment mode.

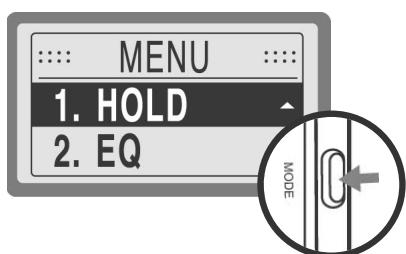
Note

If the EVR-150 is changed to any other MODE during the repeat segment mode, the selected segment(A↔B) mode will be released.

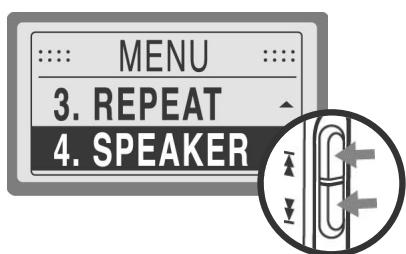
► PLAYING MP3 and WMA FILES

■ Listening with the internal speaker

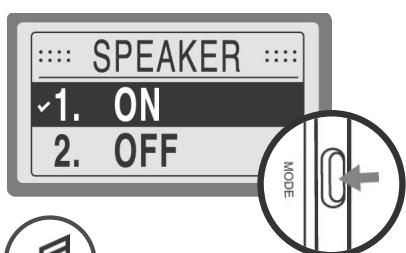
In VOICE MODE, the EVR-150 is automatically switched to the available sound output (earphone or internal speaker) depending on whether or not the earphone is connected to the EVR-150. For example, if the earphone is disconnected from the EVR-150, the sound output is automatically switched to the internal speaker. But, in AUDIO MODE, the internal speaker should be set ON or OFF manually as follows:



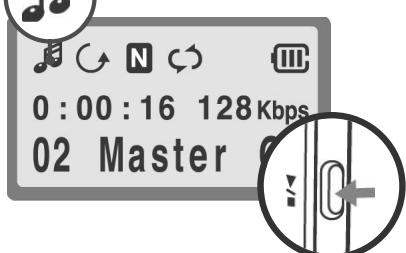
- ① Press the MODE button quickly in AUDIO MODE to move to the MENU.



- ② Press the FF/REW button to select SPEAKER, and then press the PLAY/STOP button.



- ③ Press the FF/REW button to navigate to SPEAKER ON. Press the PLAY/STOP to select. Press the MODE button to exit the MENU.

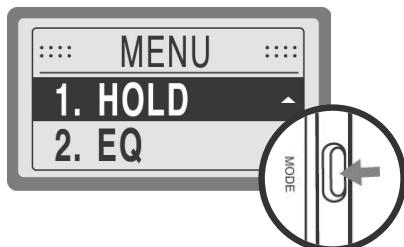


- ④ Press the PLAY/STOP button to listen to music in the SPEAKER ON MODE with earphones.

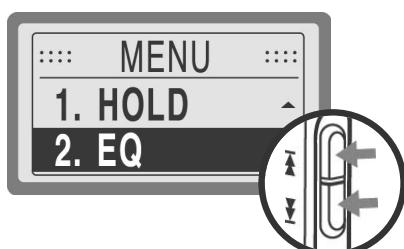
- ※ In AUDIO MODE, there are two kinds of volume levels according to using earphones as follows:
 - SPEAKER ON: volume level can be adjusted from 0 to 24.
 - SPEAKER OFF: volume level can be adjusted from 0 to 30.
- ※ The battery life is reduced when the internal speaker is in use. Adjusting the volume level can extend the battery life.

► PLAY AUDIO FILES (MP3, WMA)

■ Setting the Equalizer(EQ)



① Press the MODE button in AUDIO MODE.



② Press the FF/REW button to move to EQ and then press the PLAY/STOP button to select.



③ Press the FF/REW button to move to the desired equalizer mode and press the PLAY/STOP button to select. Press the MODE button to exit the MENU.

N

Normal balance

P

Balance suitable for pop music

R

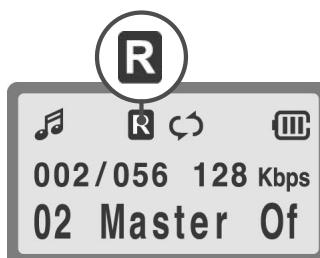
Balance suitable for rock music

C

Balance suitable for classic music

L

Balance for live music

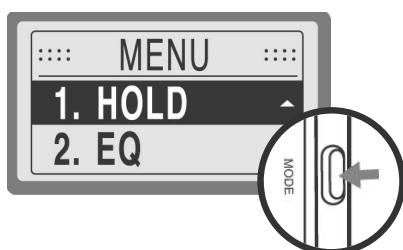


④ Make sure the EQ icon is on the LCD.

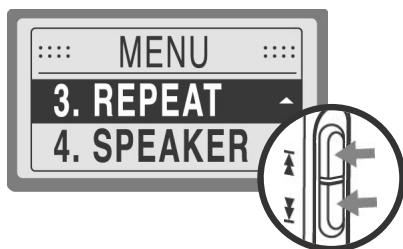
► PLAY AUDIO FILES (MP3, WMA)

■ Setting the Repeat Function

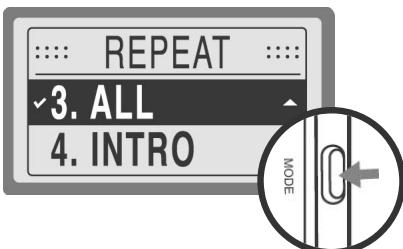
User can set repeat method.



① Press the MODE button.



② Press the FF/REW button to navigate to REPEAT, then press the PLAY/STOP.



③ Press the FF/REW button to select NORMAL-ONE-ALL-INTRO and then press the PLAY/STOP button.

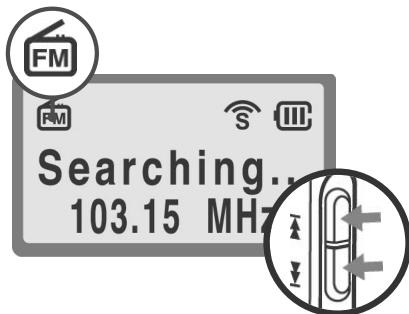
NORMAL		Play all stored files one time in order
ONE		Repeats the current selected file
ALL		Repeats all stored file
INTRO		Plays first 10 seconds for each of files
RANDOM		Plays files in random order



④ Press the MODE button to exit the menu.
The REPEAT icon on the LCD should be lit.

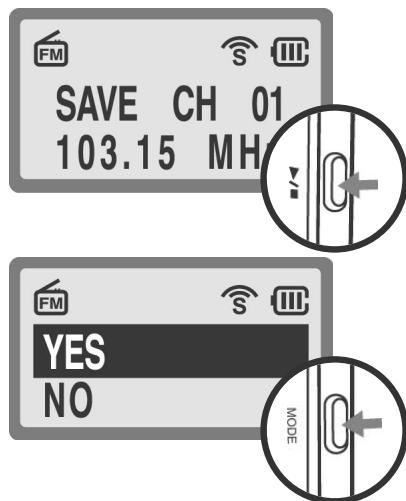
► LISTENING TO FM RADIO

■ Changing FM Channels



- ① In FM RADIO MODE, press the FF/REW button to select a channel. Press the FF/REW button two seconds (or longer). The frequency will go up/down and will seek channels automatically (Auto-seeking function).

■ Storing FM Channels



- ① After selecting a channel press the MODE button. 'SAVE CH 01' will appear on the LCD display. Press the PLAY/STOP button.
- ② Press the FF/REW button to select 'YES', then press the PLAY/STOP button to store channel. The EVR-150 has the capacity to store 20 channels.

■ Overwriting FM channels



- ① To overwrite FM channels, press the FF/REW button to select your desired channel number when the 'SAVE CH 00' message is displayed. Then, the 'UPDATE CH 00' message will be displayed on LCD. Press the PLAY/STOP button and the FF/REW button to select 'YES'.

- ※ The FM tuner may not be function properly in weak transmission areas.
- ※ If you experience difficulty finding a clear FM frequency, or if there is a loud noise, try using a longer earphone cable (earphone cables function as receiving antennae). Additionally, rotating the earphone cable with the ground may improve FM reception.
- ※ Earphones are required for FM radio listening capability. (The internal speaker does not function in FM radio listening mode.)

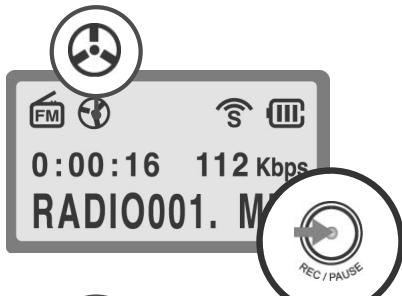
► LISTENING TO FM RADIO

■ Listening to Preset FM Channels

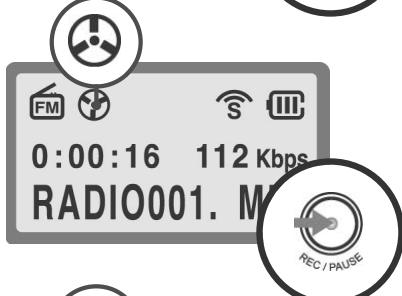


- ① Once the preset channels have been selected, press the PLAY/STOP button to change the channel.

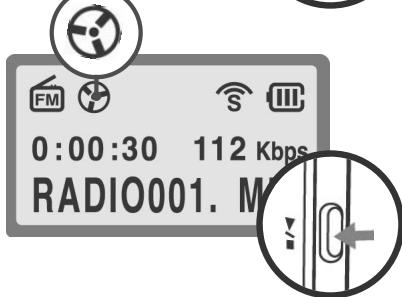
■ Recording FM Radio



- ① Press the REC button to record FM broadcasting while listening to FM radio.



- ② To pause recording, press the REC button again.

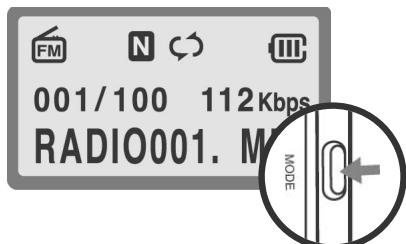


- ③ To resume recording, press the REC button once. To stop recording, press the PLAY/STOP button.

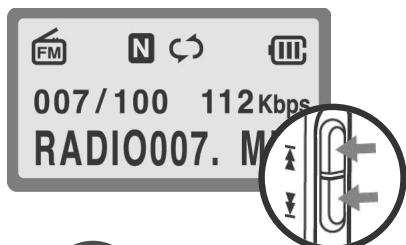
- ※ Recorded FM radio file numbers will automatically be stored in the order in which they were recorded.
- ※ Adjust the volume level before recording has begun (Volume levels can not be adjusted during recording).
- ※ FM play mode is available only if an FM broadcast has been previously recorded.

► LISTENING TO FM RADIO

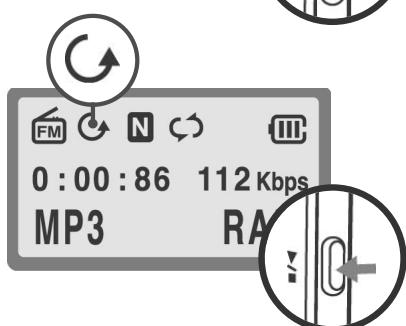
■ Listening to Recorded Broadcasting(FM PLAY MODE)



- ① Press the MODE button for 2 seconds to change from FM MODE to FM PLAY MODE.



- ② Press FF/REW button to select the appropriate file.



- ③ Press the PLAY/STOP button to play recorded FM radio file.

※ Repeat, A↔B repeat, EQ function is available in the FM PLAY MODE (as it is in AUDIO MODE).

※ Recording is not available in FM PLAY MODE.

► Erase Mode

■ Deleting Items Stored in Memory



- ① Press the MODE button for 2 seconds to change to ERASE MODE.



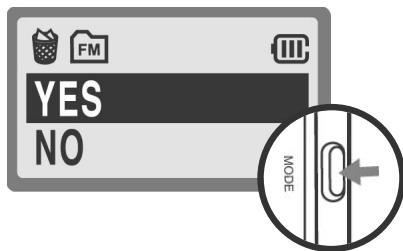
- ② Press the Volume(+)(-) button to select the folder erased (VOICE FOLDER, AUDIO FOLDER, FM FOLDER.)



- ③ Press the FF/REW button to move to 'ERASE FILE' and then press the PLAY/STOP button.



If select 'ERASE ALL' is selected, all files in the selected folder will be erased.



- ④ Press the FF/REW button to select 'YES', then press the PLAY/STOP button to erase the file.
(If 'NO' is, erase function will be canceled.)

※ Erased/deleted files can not be recovered. Exercise extreme caution when deleting/erasing files.

► CONNECTING THE PLAYER TO PC

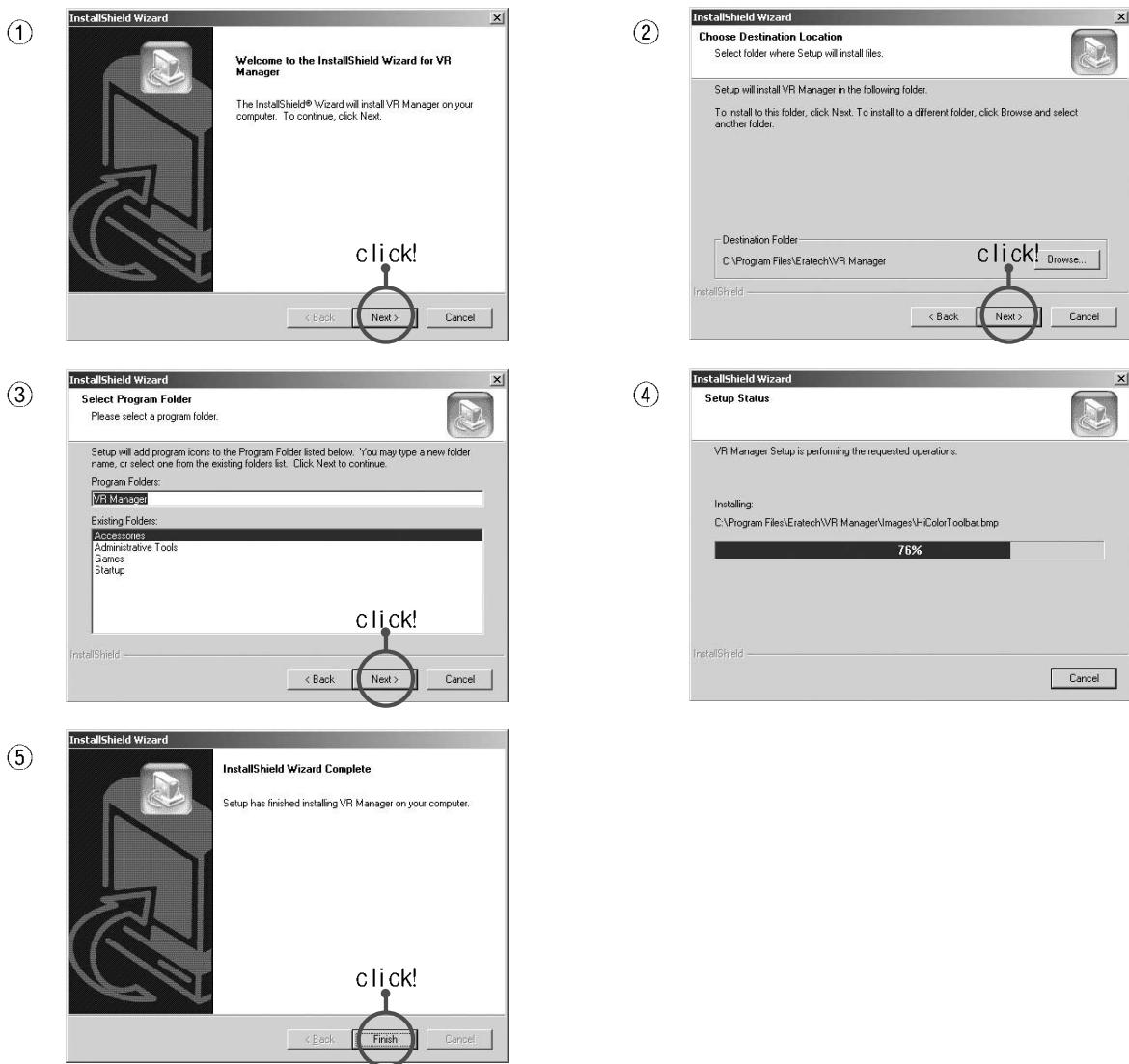
■ System requirements

- Pentium 133MHz or faster . Windows 98/ME/2000(PRO)
- CD-ROM drive
- Sound Blaster Compatible
- More than 20MB free hard disk space
- USB port

■ Installing VR Manager

Place the installation CD into your CD-ROM drive. The installation dialogue box (VR Manager InstallSheild Wizard) will be displayed on Monitor.

If the dialogue box does not display, double click [Start]-[My Computer]-[CD-ROM]-[autorun.exe] on the PC.

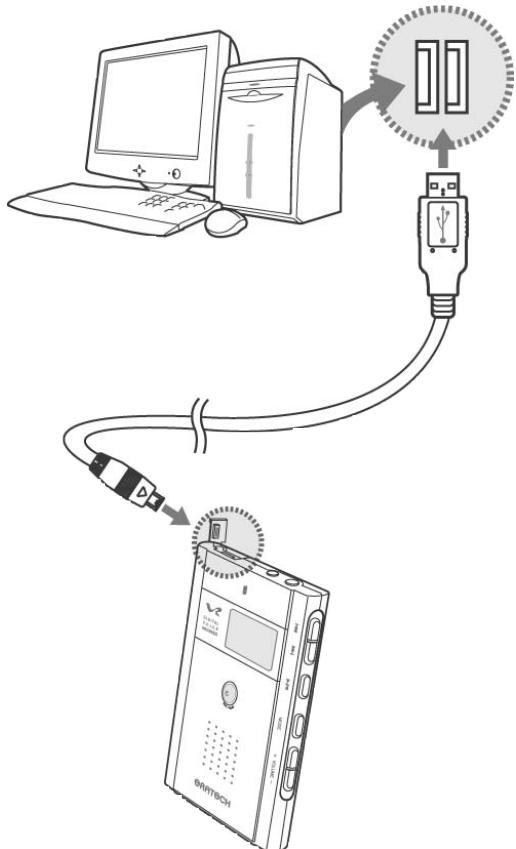


※ Reboot your PC when the installation is complete.

※ To uninstall the VR Manager, select [Start]-[Settings]-[Control Panel]-[Add/Remove Programs]-[VR manager].

► CONNECTING THE PLAYER TO PC

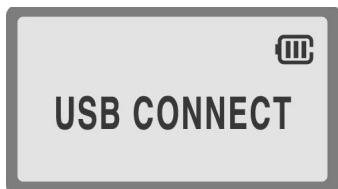
■ Connecting the EVR-150 to the PC



① connect the provided USB cable to a USB port of your PC.

② Power on the EVR-150 and open the USB rubber cap, then connect the USB cable to the USB port.

③ Make sure the 'USB CONNECT' message appears on the LCD display.



- ※ Connect the USB cable to the player in the STOP state. Failure to do so can result in malfunction.
- ※ Disconnect any audio cables from the EVR-150 before connecting the USB cable to the PC.

► Install the USB driver

When you connect the player to PC without installment the VR manager, You should install the USB driver.

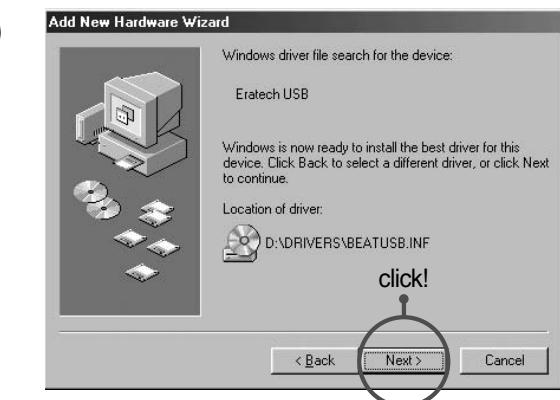
Up to personnel computer , the procedure of installment may be different.

■ Windows 98

The procedure is as following.



Select ① like above illustration and click the NEXT.



Select ①and ② like above illustration .

Click ③ and Select the drivers folder in CD.

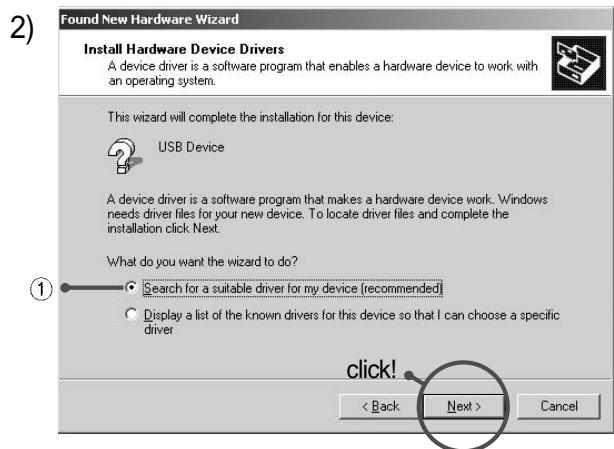
Click the NEXT.



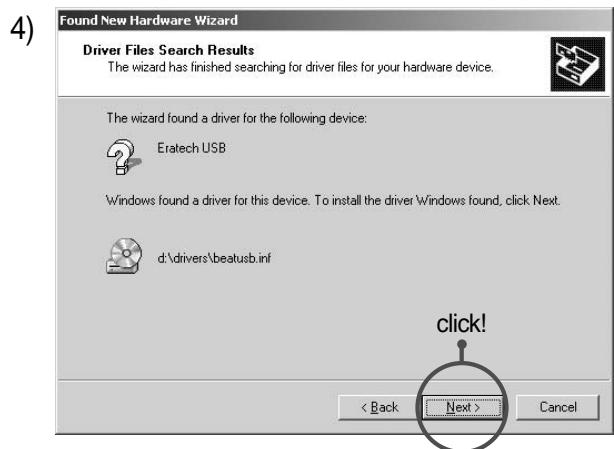
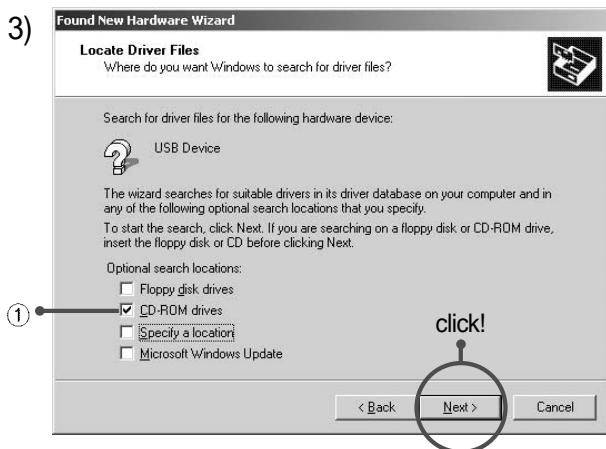
▶ Install the USB driver

■ Windows 2000

The procedure is as following.



Select ① like above illustration and click the NEXT.



Select ① like above illustration and click the NEXT.



► Install the USB driver

■ Windows XP

The procedure is as following.

1)

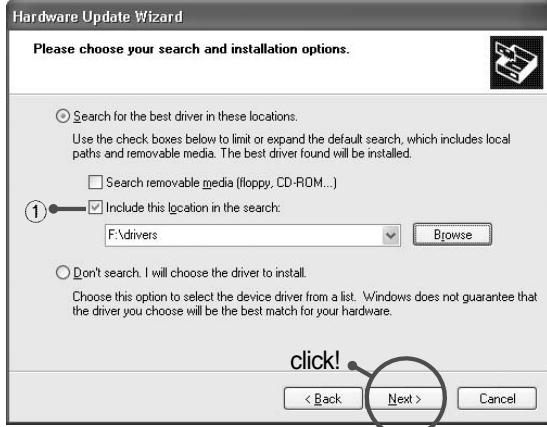


2)

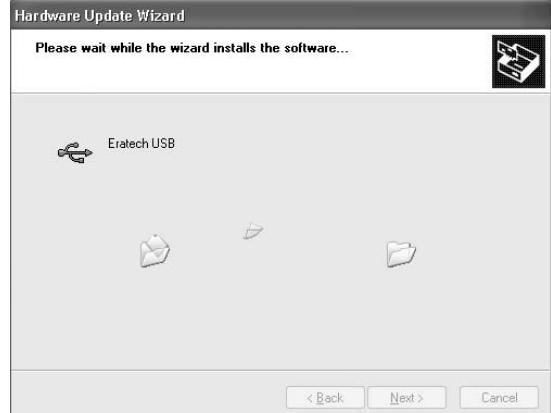


Select ① like above illustration and click the NEXT.

3)



4)



Select ① like above illustration and click the NEXT.

5)

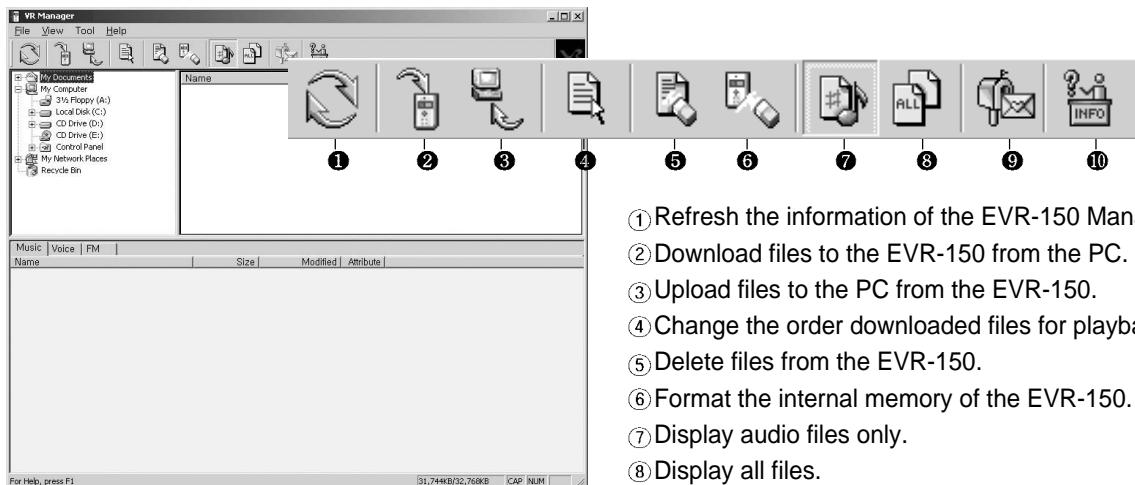


6)



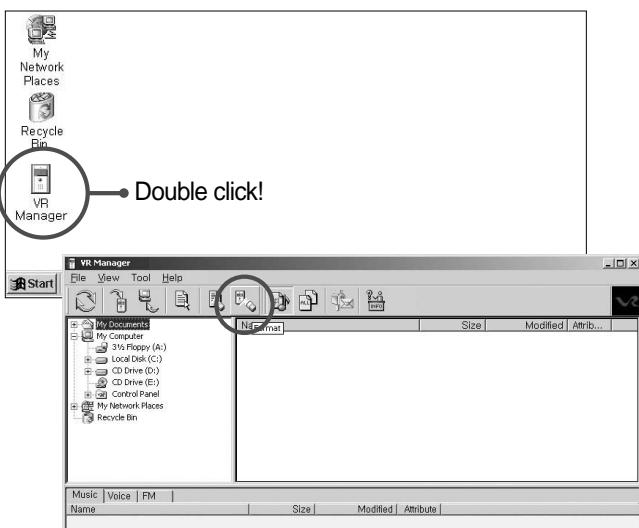
► CONNECTING THE PLAYER TO PC

■ The explanation of toolbar icons



- ① Refresh the information of the EVR-150 Manager.
- ② Download files to the EVR-150 from the PC.
- ③ Upload files to the PC from the EVR-150.
- ④ Change the order downloaded files for playback.
- ⑤ Delete files from the EVR-150.
- ⑥ Format the internal memory of the EVR-150.
- ⑦ Display audio files only.
- ⑧ Display all files.
- ⑨ E-mail the file (selected from the PC).
- ⑩ Confirm the information of the EVR-150 Manager.

■ Formatting internal Memory



- ① Double click the VR Manager Icon to execute the manager program.

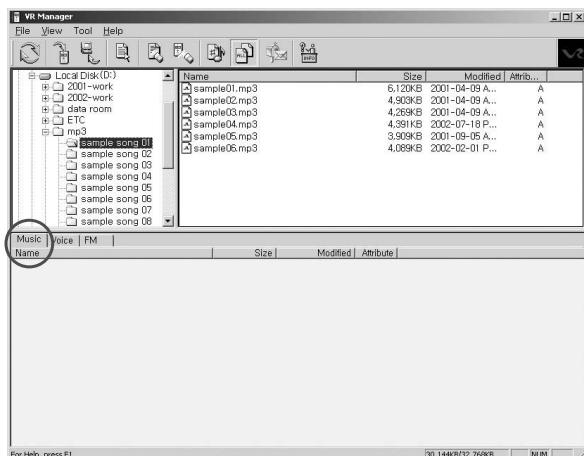
- ② Click [Tool] of toolbar and select [Format] icon.

If you format the internal memory, all files in the unit will be permanently removed. It is imperative to back-up any and all important files before formatting the internal memory.

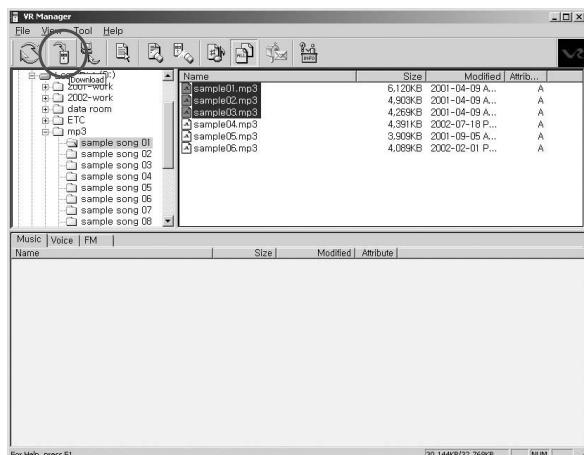
- ※ If the internal memory is formatted, all previously downloaded fonts will be removed as well.
- ※ To restore lost fonts download the fonts again from the VR Manager by following these steps: Select [Tool]-[Font]-[Download]. If 'MEMORY FULL' (font capacity size is about 2MB) message appears on the LCD display, remove unnecessary files from the EVR-150 until enough space is created to accommodate additional fonts.
- ※ If the font files are deleted, commands will appear in English only in the AUDIO MODE.

► CONNECTING THE PLAYER TO PC

■ Downloading Files to the EVR-150

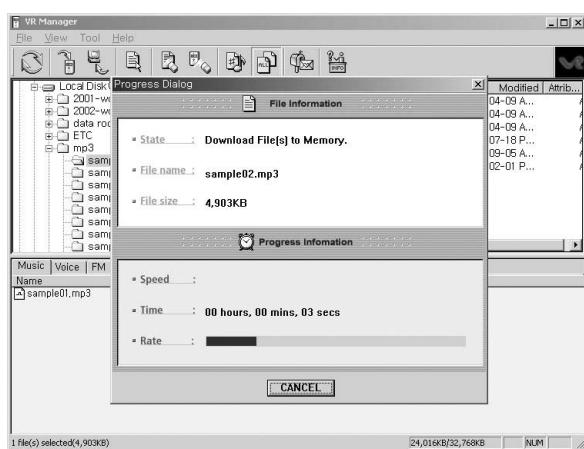


- ① Select the Music folder from the VR Manager.



- ② Select the file to be downloaded from the PC, then click the download button.

file	Download files			Upload	
	store folder	Audio folder	Voice folder	FM folder	PC
Music	O	X	X	X	X
Voice	X	X	X		O
FM radio	X	X	X		O
Others	O	X	X		O

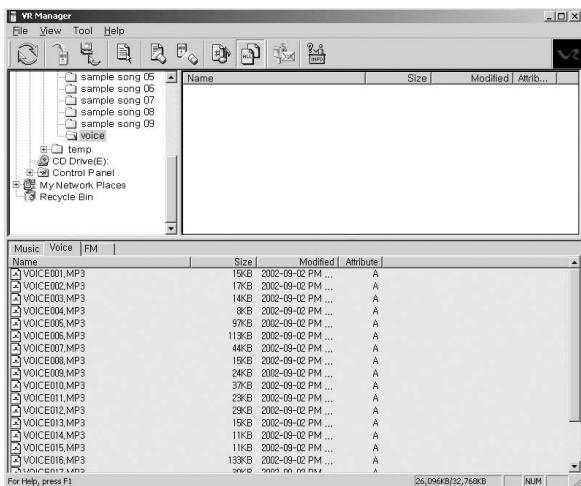


- ③ The DOWNLOADING status window will be displayed.

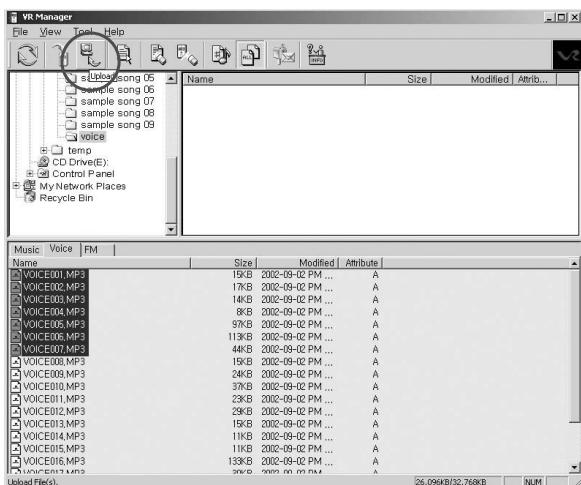
- To download a file to the player, select [File]-[Download] or select the file by dragging and dropping.
- Do not remove/disconnect USB cable from the player during downloading/uploading.

► CONNECTING THE PLAYER TO PC

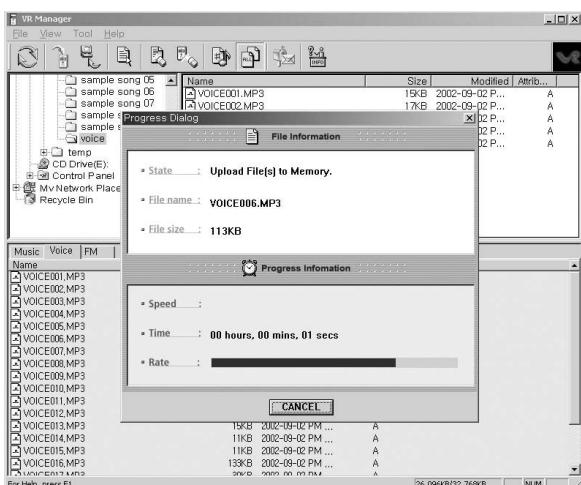
■ Uploading Files to Your PC



① Select a folder to save uploaded file.



② Select the file to upload from each folder.
then click upload button.

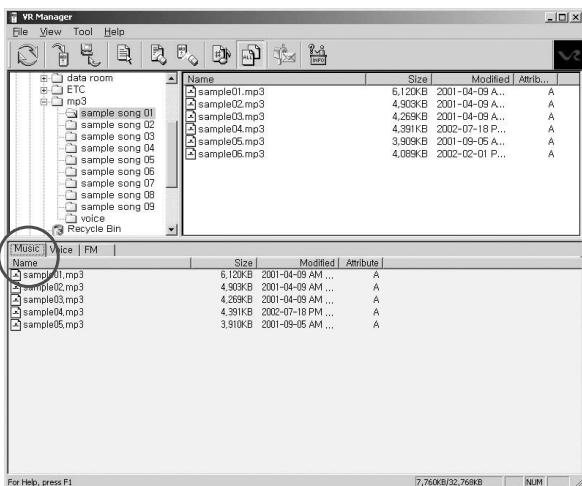


③ The UPLOADING status window will be displayed.

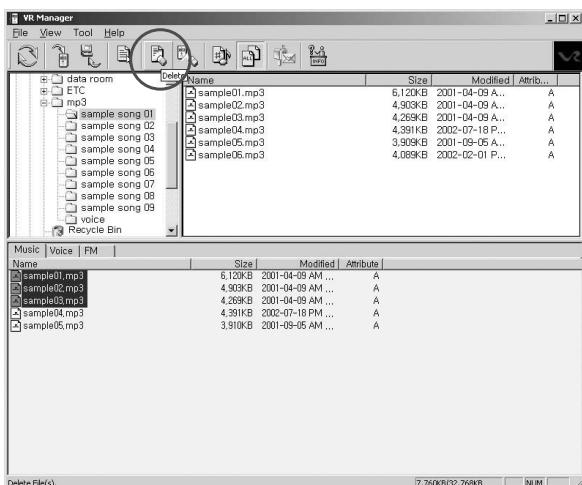
* Do not remove/disconnect the USB cable from the EVR-150 during downloading/uploading.

► CONNECTING THE PLAYER TO PC

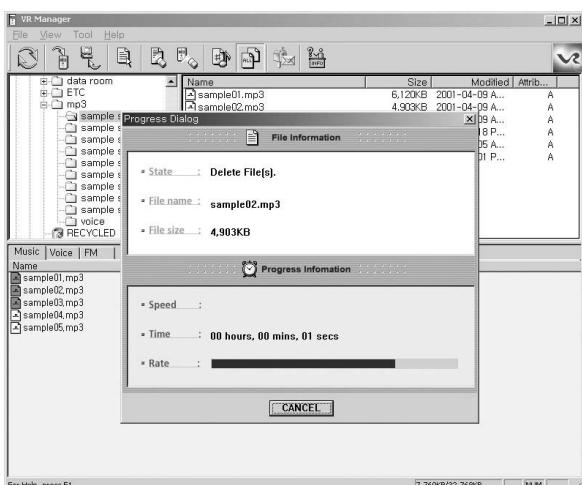
■ Deleting Files from Your PC



① Select a folder to delete file.



② Select the file to be deleted and click the DELETE button.



③ The REMOVING status window will be displayed.



Erased/deleted files can not be recovered. Exercise extreme caution when deleting/erassing files.

► PRECAUTIONS

■ Safety Precautions

1. Safety Precautions

- ① Do not use or place product :
 - In high temperature(above 60°C)
 - Inside a car with closed windows(during the summer)
 - In areas with high humidity(such as bathrooms)
 - In direct sunlight or near the heaters
 - In dusty places
- ② Do not drop the product. The electronic components are delicate and may be rendered useless if mishandled.
- ③ Do not repair, open or remodel the product.
- ④ Do not operate the product when driving a car or walking.
- ⑤ Do not operate the product in places where electronic components operations are prohibited (i.e. during air travel).
- ⑥ Magnetic cards, such as a credit cards or a public transit tickets, may be permanently disabled if placed on or near the speaker.
- ⑦ Any excessive force on or against the LCD display can result in significant damage to the screen and the LCD functions.
- ⑧ When USB cable connect to PC and Recorder, please dis-connect earphone from recorder.

2. Battery Use.

- ① Do not heat, disassemble or place into fire. Alkali solvents may harm skin, eyes and may possibly result in fever.
- ② In this should occur, wash your skin and/or eyes with clean water and seek immediate medical attention.
- ③ If the player is exposed to fumes, smoke and/or excessive heat remove the battery immediately.
- ④ Confirm that the battery is charged before recording.

※ The seller holds no liability for any damages caused by misuse of the product, and/or any claims from a third party.

※ The seller holds no liability for any lost messages due to repair or for any other reason.

► PRECAUTIONS

■ Troubleshooting

If you experience difficulty operating the EVR-150, refer to the problem-solving directions below before calling customer service.

No display on LCD/ The player does not function.	1. Check the battery and recharge if necessary. 2. Make sure the battery is properly inserted to match the (+),(-) polarities. 3. Make sure the battery cover is properly shut. Remove the battery and wait awhile before replacing.
Recording function isn't operable.	1. Check the status of the HOLD switch. 2. Make sure the internal memory isn't full. 3. Check the battery and recharge if necessary.
Playback function isn't operable.	1. Check the status fo the HOLD switch. 2. Verify weather or not a recorded sound and/or message as already in the player. 3. Check the battery and recharge if necessary.
No sound is heard from speaker.	1. Check volume level. 2. Make sure the earphone is properly plugged into the player. Note : When the earphone is connected to the player, no sound is heard from the speaker. 3. Check if 'SPEAKER OFF' is set on the MENU. Refer to P26.
No sound is heard from earphone.	1. Check volume level. 2. Make sure the earphone is properly plugged into the player.

► TECHNICAL SPECIFICATIONS

■ Specifications

CATEGORY	ITEM	SPECIFICATION	
MP3/WMA	Channels	Stereo	
	Frequency Range	20Hz ~ 20KHz	
	Earphone Out	6mW(L) + 6W(R) : 16 Ω, Max. Volume	
	S/N Ratio	85dB (with A-weighting filter)	
FM Radio	Frequency Range	87.5 ~ 108MHz (Korea/USA/Europe) 76 ~ 90MHz (Japan)	
	Earphone Out	6mW(L) + 6mW(R) : 16 Ω, Max. Volume	
	S/N Ratio	55dB (with A-weighting filter)	
	Receiver Type	Earphone cord antenna	
Recording	Time (mono)	128MB	Max. 2180min(LQ), Max. 1090min(MQ), Max. 540min(HQ)
		256MB	Max. 4.370min(LQ), Max. 2.184min(MQ), Max. 1.092min(HQ)
	Sound Quality	MONO	16KHz sampling 8Kbps(LQ), 16KHz sampling 16Kbps(MQ), 16KHz sampling 32Kbps(HQ)
		STEREO	44.1KHz sampling 96Kbps(LQ), 44.1KHz sampling 128Kbps(MQ), 44.1KHz sampling 160Kbps(HQ)
		FM Radio	44.1KHz sampling 112Kbps
PC Interface	System Requirements		Recommended more than Pentium / RAM 64MB / 20MB of free hard space, USB port, CD-ROM drive
	System O/S		Win98 / ME / NT 2000(PRO) / XP
	Sound Card		Sound Blaster 16 compatible
Power Supply	Power		USB power
	Internal Battery		Sticks type Ni-MH rechargeable battery x 1
General	Dimensions		56(W) x 84(H) x 9.8(D)mm
	Weight		37.1g (without battery)

FCC Compliance Statements

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Warning : Your are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.



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