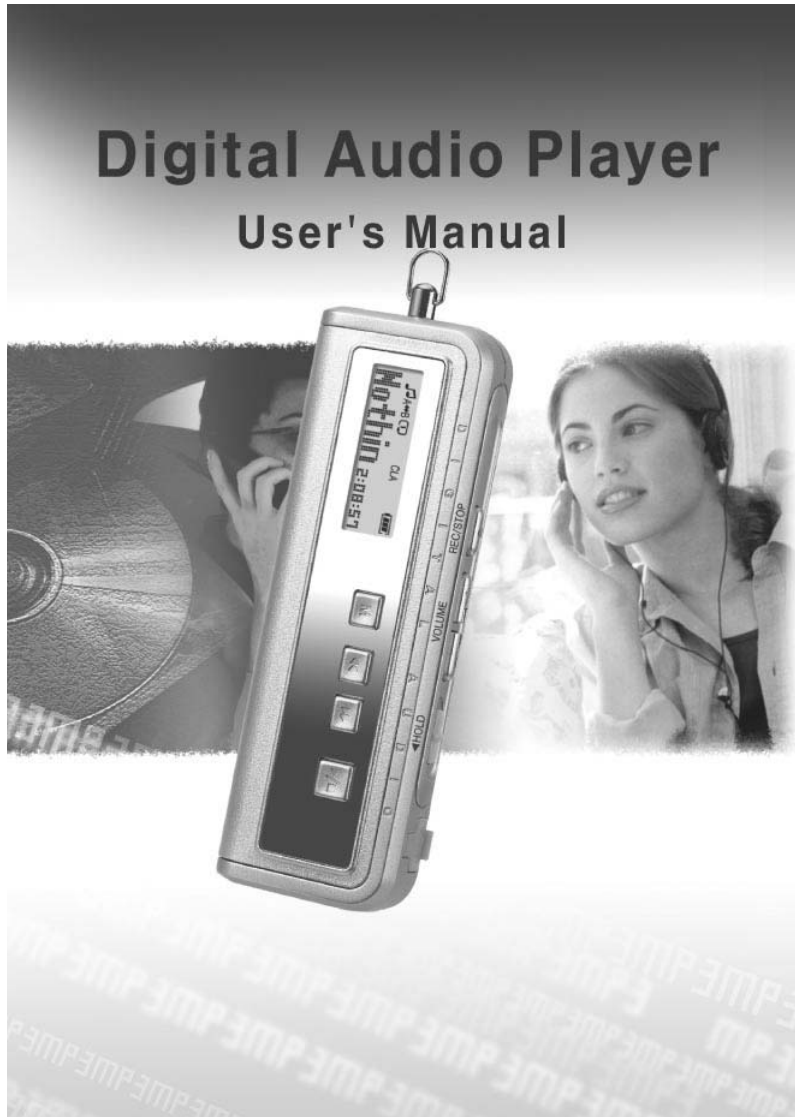


Digital Audio Player

User's Manual





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FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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 correct the interference by one or more of the following measures:

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

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

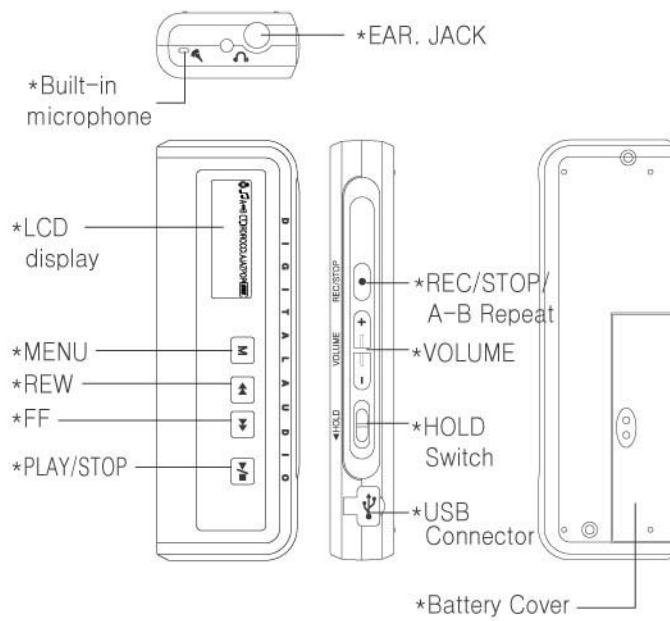


Features

- * **MP3 & WMA Playback**
MP3 is an MPEG1 Layer3 audio format.
WMA is a Microsoft Windows Media audio format.
- * **Voice Recording Function**
High quality voice recording can be done.
- * **VOR(Voice Operated Recording) Function**
Records only if there is actual sound.
- * **Removable Storage Device**
You can easily copy and paste PC files to the unit using Windows Explorer.
- * **Various Equalizer Modes**
Equalizer can be manually adjusted. (Normal, Classic, *Jazz*, Pop, Rock)
- * **Repeat Playback Function**
To be available for repeat playback.
- * **INTRO Playback**
Plays the front part of each message successively.
- * **EL Backlighting**
Bright Display for easy viewing.
- * **Automatic Power Off**
Power will turn off automatically if there are no buttons pressed.
- * **Upgradeable**
You can upgrade easily the built-in firmware.
Please ask the Distributor for upgrades.

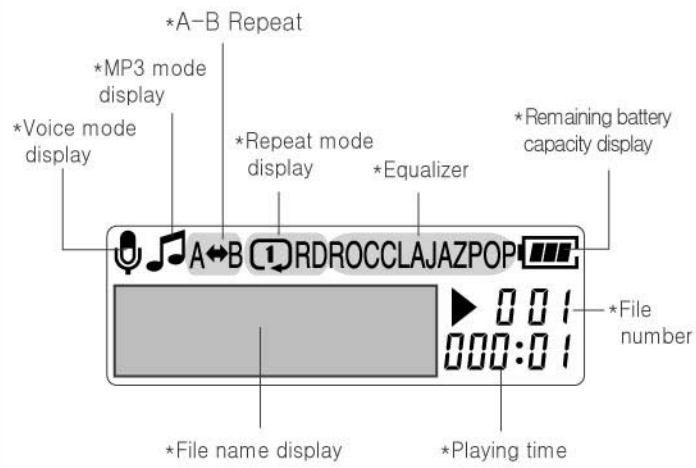


Name of each part





Name of each part



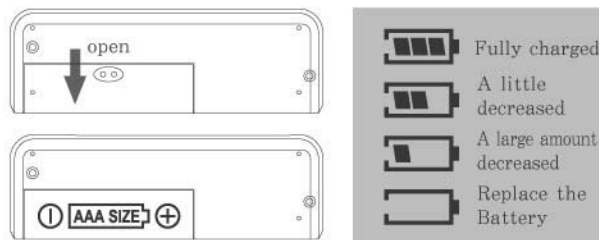


Preparation for operating

* Inserting a Battery

Inserting or changing of the battery should be done when unit is off.

Slide the cover in the direction of the arrow to open. Insert a battery in the correct direction, as illustrated below, then slide cover back on.



(Battery : AAA, LR03 or UM-4 or equivalent)

*Battery life time

Battery	at recording mode	at earphone playback
"AAA" Alkaline	over 7 hrs	over 8 hrs



Preparation for operating

* Power ON

Set HOLD switch to the OFF position and press PLAY/STOP button for 2 seconds.
The unit will then power on.

* Power OFF

Press PLAY/STOP button for 2 seconds when the unit is on standby.
The unit will then power off.

*Note :

- The unit will automatically Turn Off to conserve battery life, when the unit is left on standby for over 1 minute.
- You can also Turn Off the power by pressing PLAY/STOP button for 2 seconds.

* HOLD Function

While HOLD is 'ON', button will not work and "HOLD" message will appears on the display whenever a button is pressed.



Description of button

NAME	Operation	When STOP	Playing	Recording
 PLAY/STOP	short	Selected file playback, Exit from MENU	Stop Playback	Pause
	long	power off	power off	power off
 FF/REW	short	File search, MENU search	File search	
	long	Fast file search	Fast forward or rewind in playing	
 MENU	short	Enter MENU mode, MENU setup	Change EQ mode	
	long		Change REPEAT mode	
 VOLUME+/-		Volume up/down	Volume up/down	
 REC/STOP		Start recording	Setup A<->B Repeat Playback	Stop recording

*Note :

- LONG: Longer than 1 second.
- Short : Less than 1 second.



Operating MP3

Put HOLD switch in OFF position then POWER ON device.

* Playing MP3 file

1. Select the file number with FF/REW button.
2. To start playback, press PLAY/STOP button.





3. Adjust Volume level with VOL+/- button.
 4. To stop Playback, press PLAY/STOP button one more time.
- *WMA file can be played back from 32kbps to 192kbps.



* Setting up EQ mode

While playing music files, press MENU button.
EQ mode will be changed in below order.
Normal -> Classic -> Jazz -> Pop -> Rock
Use MENU button to select the desired EQ mode.

* Setting up REPEAT mode

While playing music files, press MENU button for over 2 seconds.
REPEAT mode will be changed in below order.
'Blank' ->  ->  -> RD
Use MENU button to select the desired REPEAT mode.

'Blank' : Play all tracks in order and stop.

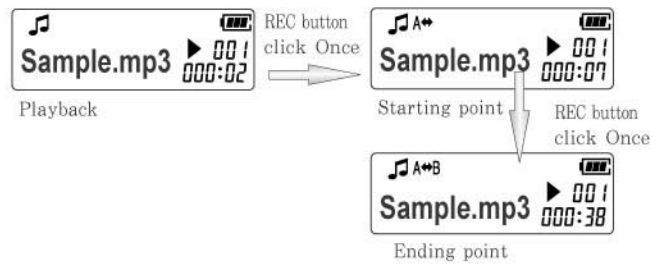
-  : Play a single track repeatedly.
-  : Play all tracks repeatedly.
- RD : Play all tracks randomly.



Operating MP3

* A-B Section REPEAT mode

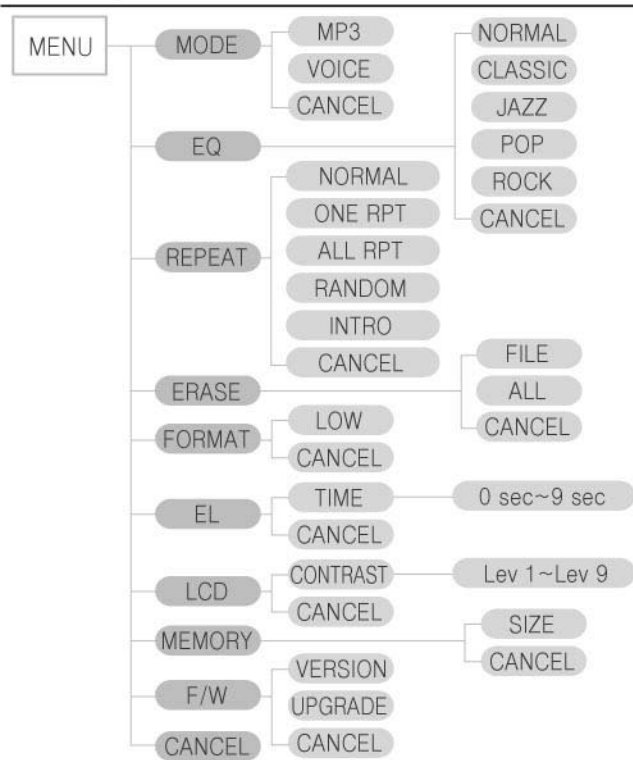
1. While playing music files, press REC/STOP button one time. Point A will be selected.
2. Press REC/STOP button once more. Point B will be selected.
3. A-B section will be repeated.
4. To release the A-B section repeat mode, press REC/STOP button once more.





Operating MP3

* MENU Diagram



To enter the MENU mode, press MENU button at STOP state.

To exit the MENU mode, press PLAY/STOP button .

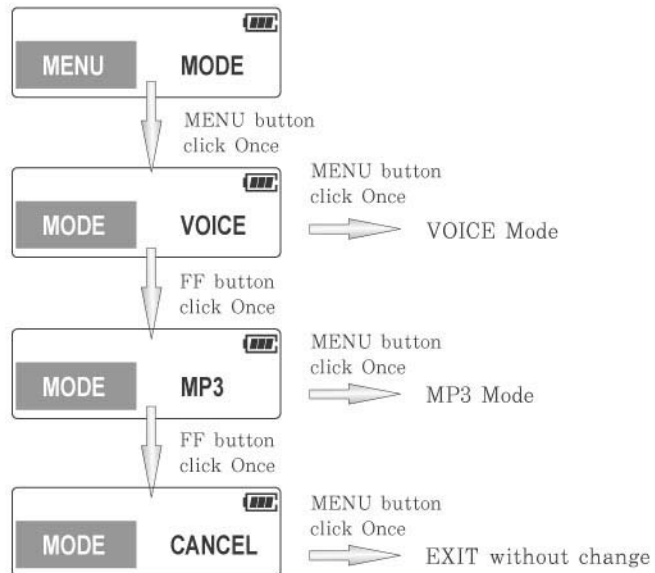
To Upper MENU mode, select CANCEL menu and then press MENU button.



Operating MP3

* Select the Mode

Select the desired mode using the FF/REW button. And if you press MENU button, the mode selection is over.

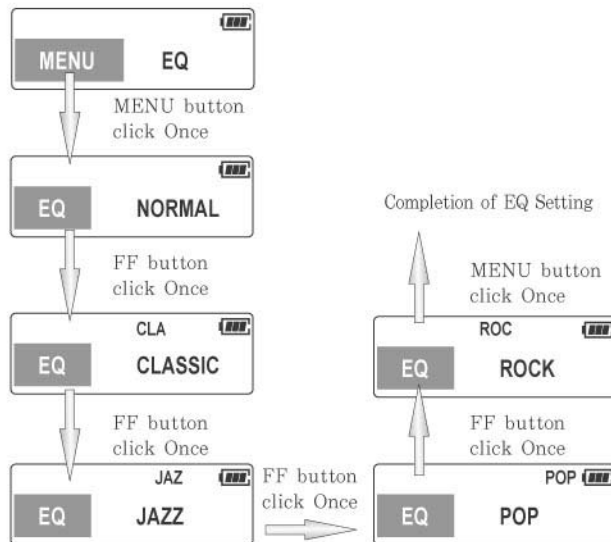




Operating MP3

* Select the EQ mode

Use FF/REW button to select the desired EQ mode.

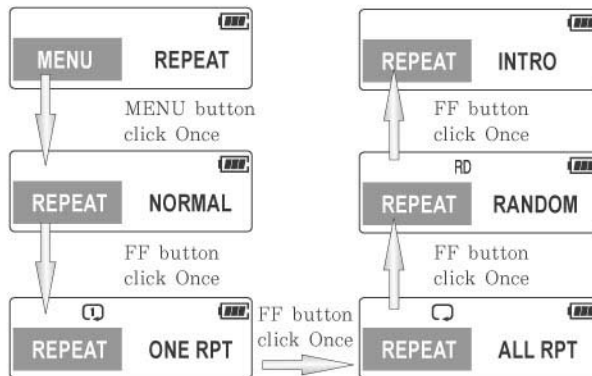




Operating MP3

* Select the REPEAT mode

Use FF/REW button to select the desired REPEAT mode.



- NORMAL : Play all files in order and stop.
- ONE RPT : Play a single file repeatedly.
- ALL RPT : Play all files repeatedly.
- RANDOM : Play all files randomly.
- INTRO : Play only the starting 10 seconds of each file



Operating MP3

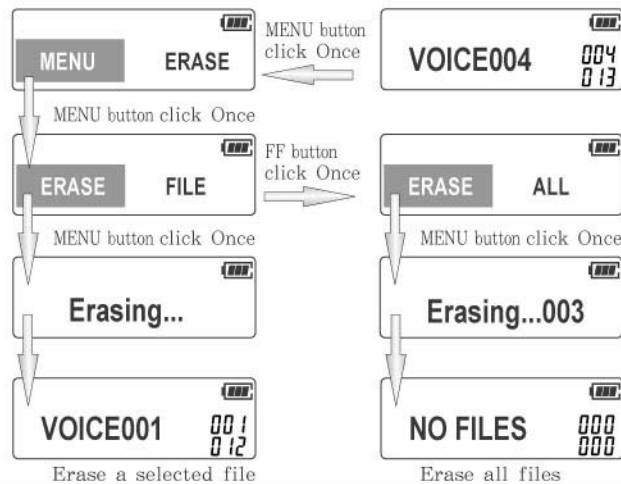
* Erasing file

- Erasing 1 file

1. Select the file by using FF/REW button at STOP state.
2. Select the ERASE menu by using FF/REW button and MENU button.
3. Select FILE by using the FF/REW button and press MENU button, the selected file will be erased.

- Erasing all files

1. You can enter the ERASE menu by using FF/REW button and MENU button.
2. Select ALL by using FF/REW button and press MENU button, all files will be erased.

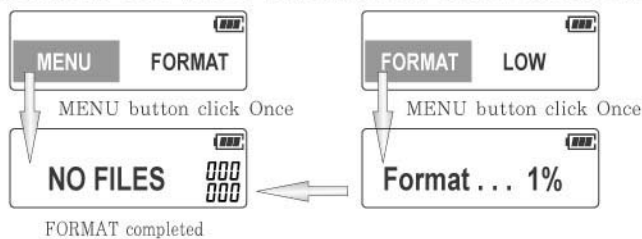




Operating MP3

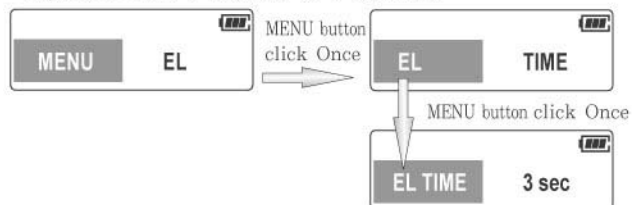
* Format

1. Select the FORMAT menu by using FF/REW button. And then press MENU button one more time.
2. If you press MENU button one more time when it is LOW, "Format..." and processing state will be shown as %.
3. Then all files will be erased and the unit is initialized.



* Setting the BACKLIGHT TIME

1. Select the EL menu by using FF/REW button. And then press MENU button one more time.
2. Select the TIME by using FF/REW button. And then press MENU button one more time
3. You can set the EL Backlight time by using FF/REW button. The setting range of the Backlight time is adjusted from 0 seconds to 9 seconds.

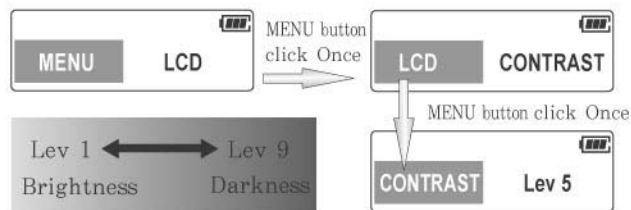




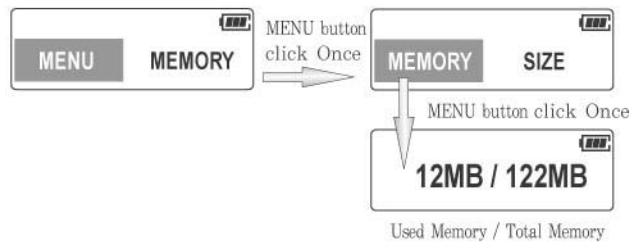
Operating MP3

* Setting the LCD CONTRAST

1. Select the LCD menu by using FF/REW button.
And then press MENU button one more time.
2. Select the CONTRAST by using FF/REW button.
And then press MENU button one more time
3. You can set the LCD Contrast by using FF/REW button.
The setting range of the LCD Contrast is adjusted from Level 1 to Level 9.



* Confirm the total and the used memory size





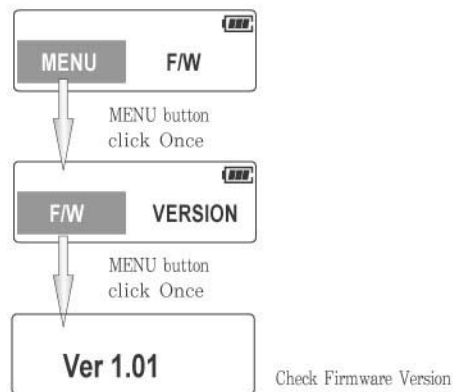
Operating MP3

* Confirm the Firmware Version and Firmware Upgrade/Font Download

You should enter the F/W menu by using FF/REW button and MENU button.

- Confirm the Firmware version

Select the VERSION in the F/W menu by using FF/REW button and then press MENU button.



- Upgrade Firmware and Font download

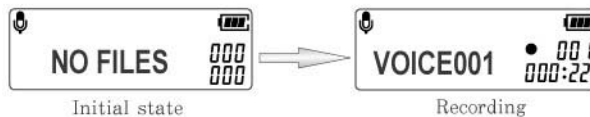
Download the latest Firmware and Fonts from distributor's homepage.
(Refer to "Firmware upgrade & Font Download")



Operating Recorder

* Recording VOICE

1. Point MIC toward the sound source and press REC/STOP button. File number will be added and recording will be started.



2. If you press shortly PLAY/STOP button while recording. Recording will be paused and if you press PLAY/STOP button once more, PAUSE will be released.



3. To stop recording, press the REC/STOP button one more time.

*If the sound is lower than a certain level when VOR is ON, recording will be paused.



The unit is detected the sound that is higher than a certain level, it will be automatically restarted the recording.



Operating Recorder

*During recording, you can monitor the recording message by inserting the earphones into the earphone jack.

*Do test recording in advance to prevent recording failure.

*If MEMORY is exhausted or the number of recording file is exceed the limit of 255, "FULL" will be displayed and recording won't be continued.



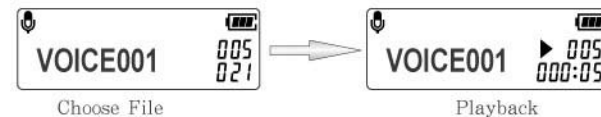
Memory full



Exceed the maximum recording file number

* Listening to VOICE

1. Select the file number with FF/REW button.



Choose File

Playback

2. To start playback, press PLAY/STOP button.

3. Adjust Volume level with VOLUME button.

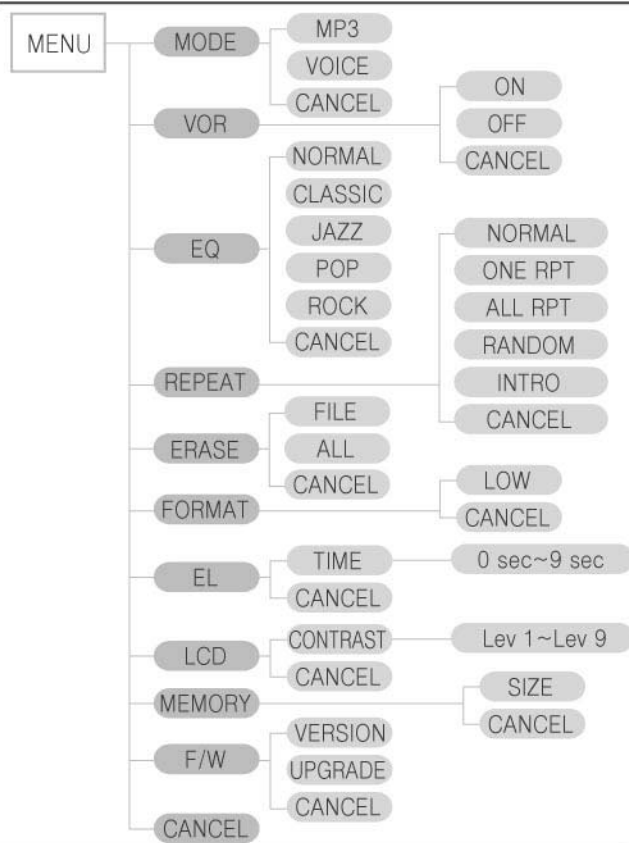
4. To stop PLAYBACK, press PLAY/STOP button one more time.

*If you press PLAY/STOP button just after recording, the last recorded file will be played.



Operating Recorder

* MENU Diagram

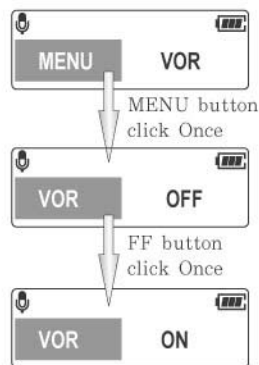




Operating Recorder

* Setting the VOR(Voice Operated Recording Function)

1. Select the VOR menu by using FF/REW button. And then press MENU button one more time.
2. Select ON/OFF by using FF/REW button. And then press MENU button one more time.



- Voice Operated Recording

If the sound is lower than a certain level over 2 seconds, the unit will automatically be in the SILENCE state. And if the unit detects sound that is higher than a certain level during SILENCE state, the unit will automatically restart recording.



Firmware Upgrade & Font Download

* Firmware Upgrade & Font Download

First, you should install the Upgrade program(Manager PLUS) on your PC.

Download the latest Firmware from distributor's homepage on your PC.

1. Press the MENU button while in MP3 or VOICE mode and select the F/W menu by using FF/REW button. Press the MENU button again and select UPGRADE by using FF/REW button.



2. If you press the MENU button, "UPGRADE" will be displayed on the screen.



3. Connect to the USB port on your PC using the USB cable.
4. Run the "Manager PLUS" on your PC.



5. After completing the file transfer, you must disconnect the USB cable and power off by using PLAY/STOP button.

<New Font Download>

Device -> Select Device Font -> Select and click the "*.fot" file.

<New Firmware Upgrade>

Device -> Device Upgrade -> Select and click the "*.hex" file.



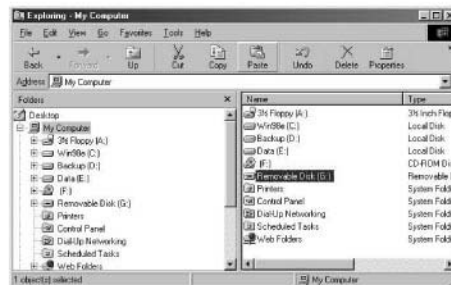
Using the Removable Storage

* Using the Removable Storage

1. Turn on the unit and connect to PC using USB cable.
2. The "USB Online" message will be appeared on the unit.

USB online

3. Open Windows Explorer on PC
4. Select the file to save and drag-and-drop it into the removable disk icon.
(If user's OS is Windows 98, "Manager PLUS" program should be install before using.)



*The "Don't Remove" message will be appeared during file download or upload. Disconnecting the USB cable while "Don't Remove" is displayed may cause malfunction of the unit.

Don't Remove



Manager PLUS

* Installation of Manager PLUS

Before connecting to PC, make sure to install Manager Plus on your PC.

• System Requirement

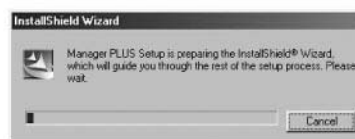
Pentium 133MHz or greater
Windows 98 SE/ME/2000/XP
20MB of available hard disk space
CD-ROM drive
USB port(1.1) supported

*Note :

- Windows ME, 2000 and XP can recognize the driver without installing the provided program. However, you must install the program in order to format and upgrade.
- If the Manager program has not been installed in windows 98, then it will not communicate with your removable disk.
- You must install the USB driver files first.

• Installing software

Insert the Installation CD into CD-ROM drive. The picture shown below appears. The installation window should then appear.





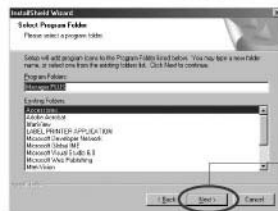
Manager PLUS



Click



Click



Click



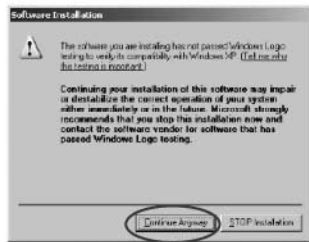
*Please, wait till the installation is completed.



Manager PLUS



*Installation is finished, and the short-cut icon will appear on the desktop.



*Then you will get dialog Software Installation with a message like "the software you are installing has not passed Windows logo testing to verify its compatibility with Windows XP" and press Continue Anyway.

- To remove Manager PLUS
Click Start → Settings → Control Panel → Program Add/Deletion.

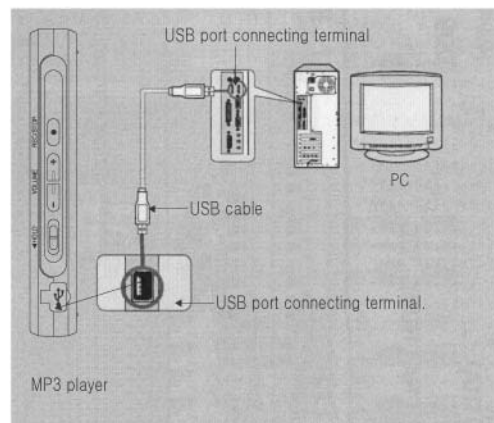




Manager PLUS

* Connecting to PC with USB cable

Plug one end of the USB cable into the USB port on the PC.
The unit will automatically turn on.



Connect the opposite end of the USB cable to the USB cable port on the left side of the unit.

USB driver is installed with a message saying that it is searching for a new device. You may not see the display screen during installation.

Go to the device manager to check that installation has been successfully completed.

When USB driver is not installed automatically, refer to next description.

(Follow these steps if the USB driver is not in place)



Manager PLUS

* Using Manager PLUS

Check the device manager.

*Windows 98, ME :

Control panel → System → Device Manager

*Windows 2000 :

Control panel → System → Hardware → Device Manager

*Windows XP :

Control panel → System → Hardware → Device Manager

Check if there is a device listed with an exclamation point or a question mark (displayed as unknown device or USB device). Click on the device listed with an exclamation point or a question mark.

And then delete and re-connect.

*Note :

- The installation method may vary depending on the type of PC or operating system.
- Contact your PC dealer or service center for installation information.
- If errors occur continuously when you install the USB driver, reconnect the USB cable after rebooting your system.





Cautions

* Cautions in Operating

1. Do not place the product in the following condition and/or places :
 - Where temperatures reach above 120°F.
 - Dusty place.
 - Near heaters or any type of heat sources.
 - In a car with windows closed, especially in the summer.
 - Damp places, like a sauna or bathroom.
2. Any excessive force on the LCD display could cause damages to it and to the over all LCD functions.
3. A magnetic card such as a credit card or subway communication ticket may not work once it is placed on or close to the speaker.
4. The seller holds no liability for any damages caused by misuse of the product and any claims from the third party.
5. The seller holds no liability for any lost messages which are caused by repair or any other troubles.

* Cautions in Using Battery

1. Do not short circuit, disassemble, heat or put batteries in the fire. Battery acid could cause bodily harm if exposed to the skin or eyes.
2. Do not use different kind of battery.
3. Remove the battery, if the unit will not be in use for over a months time.

* Cautions for Safety

1. Remove the battery when there are malfunction caused by smoke and heat.
2. Do not use the device where electronic product operation is prohibited like inside an airplane.
3. Do not operate when driving or walk, to prevent accidents or distractions.



Specification

* Improvements of product, specifications & design can be changed without notice

ITEM		SPECIFICATION	
Memory		128 MB	256 MB
Max. Recording Time		17 Hours	34 Hours
Audio Format	Format/Bit Rate	MPEG 1/2/2.5 Layer 3(8 Kbps ~ 224 Kbps)	
		WMA/ASF(32 Kbps ~ 192 Kbps)	
Max. Output Power		(L)10mW + (R) 10mW (16 Ohm) Max. Volume	
Input		Built in MIC	
Output		Stereo Jack	
Dimensions		28.9(W) x 85(H) x 13.2 (D)mm	
Weight		25g (without battery)	
Memory Medium		Built in Flash Memory	
Power Source		1.5V, "AAA"alkaline	
Battery Life Time		Recording : 7hrs / Playback : over 8hrs (Volume :10, Bit rate : 128Kbps,Continuous)	
Condition to use		0°C~40°C	
Accessory		User's Manual, Earphone, 1AAA battery, USB Cable, Line-in Cable, Installation CD, Necklace strap, USB adaptor(Optional)	