

► PRECAUTIONS

■ Troubleshooting

If you experience problems with VR, refer to the problem-solving directions below before calling for customer service.

No display on LCD. The player does not work.	1. Check if battery is not discharged, and recharge. 2. Check if battery is properly inserted to (+)(-) polarities. 3. Check if battery cover is properly shut. Remove battery and insert it again after a while.
Recording does not work.	1. Check if HOLD switch is off. 2. Check if internal memory is full used. 3. Check if battery is discharged.
Playback does not work.	1. Check if HOLD switch is off. 2. Check if whether recorded sound or message is already in the player or not. 3. Check if battery is discharged.
No sound is heard from speaker.	1. Check if volume level is '0'. 2. Check if earphone is properly plugged to the player. When earphone is connected to player, No sound is heard from speaker. 3. Check if 'SPEAKER OFF' is set on MENU. Refer to P26.
No sound is heard from earphone.	1. Check if volume level is '0'. 2. Check if earphone is properly plugged to the player.

* If LCD display does not work, please remove battery and insert it again after a while.

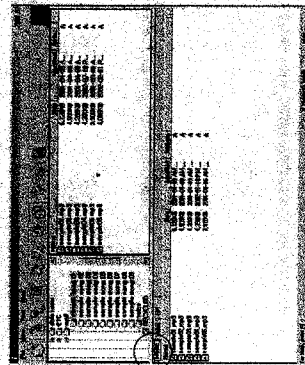
► TECHNICAL SPECIFICATIONS

■ Specifications

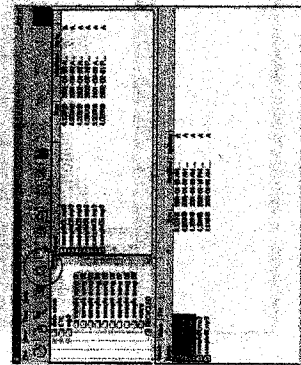
CATEGORY	ITEM	SPECIFICATION
MP3/WMA	Channels	Stereo
	Frequency Range	20Hz ~ 20KHz
	Earphone Out	6mW(L) + 6W(R) : 16Ω, Max. Volume
	S/N Ratio	85dB (with A-weighting filter)
FM Radio	Frequency Range	87.5 ~ 108MHz (Korea/USA/Europe) 76 ~ 90MHz (Japan)
	Earphone Out	6mW(L) + 6mW(R) : 16Ω, Max. Volume
	S/N Ratio	55dB (with A-weighting filter)
	Receiver Type	Earphone cord antenna
Recording	Time (mono)	32MB Max. 545min(LQ), Max. 273min(MQ), Max. 135min(HQ)
		64MB Max. 1090min(LQ), Max. 545min(MQ), Max. 270min(HQ)
		128MB Max. 2180min(LQ), Max. 1090min(MQ), Max. 540min(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 96Kbps
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
Power Supply	Sound Card	Sound Blaster 16 compatible
	Power	USB power, DC adapter(4.5V, 600mA)
	Internal Battery	Sticks type Ni-MH rechargeable battery x 1
General	Dimensions	56(W) x 84(H) x 9.5(D)mm
	Weight	38.4g (without battery)

► CONNECTING THE PLAYER TO PC / A/V INPUT OUTPUT

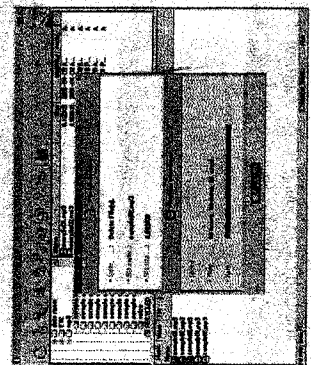
■ How to delete file



① Select folder to delete file.



② Select file what you want to delete and click delete button.



③ Removing status window will be displayed

* Erased deleted files can not be recovered. So please be careful when you delete/erase files.

► PRECAUTIONS

■ Precautions

1. Cautions for Safety

- ① Do not use or place the product at the following conditions:
 - At a high temperature (above 60°C)
 - Inside the car with all windows closed (in summer season)
 - At a high humidity place (like bathroom)
 - In direct sunlight or near the heaters
 - At a dusty places
- ② Do not drop the product and give it a shock. It could cause troubles.
- ③ Do not repair, open or remodel the product.
- ④ Do not use it when driving a car or walking. It may cause accident.
- ⑤ Do not use where electronic components' operations are prohibited like a airplane.
- ⑥ A magnetic card like a credit card or a subway communication ticket may not be working any longer once it is placed on or close to the speaker.
- ⑦ Any excessive force on the LCD display could cause damages to it, and to overall LCD functions.

2. Warnings for using Battery.

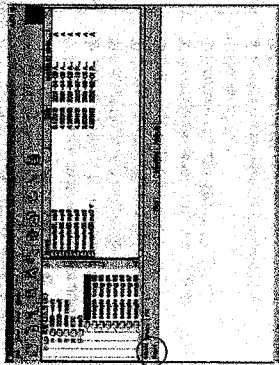
- ① Do not heat, disassemble or place into fire. A alkali solvent may harm skin, eyes and cause a fever.
- ② When above case, wash your skin or eyes with clean water and see a doctor immediately.
- ③ Fumed smoke or the play is transformed by heat, remove the battery immediately.
- ④ Make sure the battery remainings before recording.

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

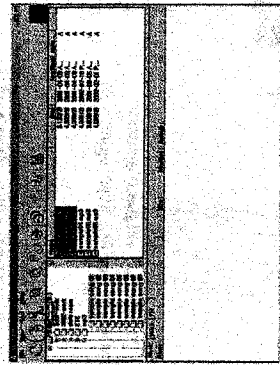
* The seller holds no liability for any lost messages which are caused by repair or any other troubles.

► CONNECTING THE PLAYER TO PC

■ How to download file to the player from PC

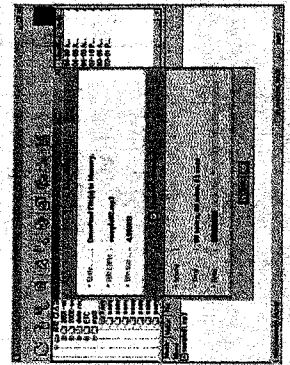


① Select the Music folder from VR Manager.



② Select file what you want to download from PC, and click the download button.

Store folder	Download files			Upload
	Audio folder	Voice folder	FM folder	
Music	☐	☒	☒	☒
Voice	☒	☒	☒	☐
FM radio	☒	☒	☒	☐
Others	☐	☒	☒	☒

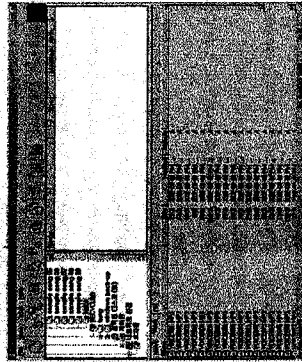


③ Downloading status window will be displayed

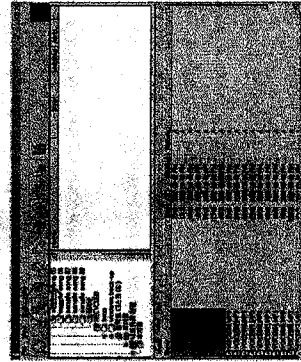
- ★ To download file to the player, select [File] - [Download] or select file by drag-and-drop
- ★ Don't remove/disconnect USB cable from the player during downloading

► CONNECTING THE PLAYER TO PC

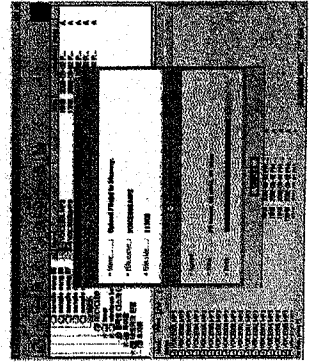
■ How to upload file to PC from the player



① Select folder to save uploaded file.



② Select file to upload from each folder. And click upload button.

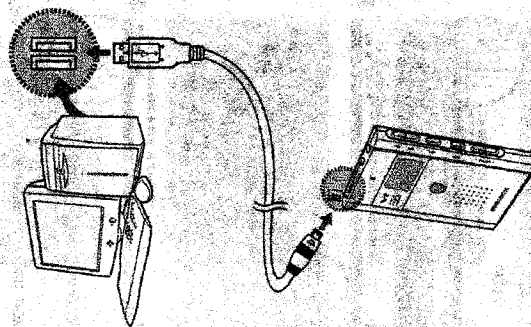


③ Uploading status window will be displayed.

- ★ Don't remove/disconnect USB cable from the player during downloading

▶ CONNECTING THE PLAYER TO PC

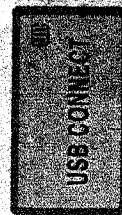
■ Connecting the player to PC



① connect provided USB cable to USB port of PC.

② Turn on the power of the player and open the USB rubber cap, then connect USB cable to its USB port.

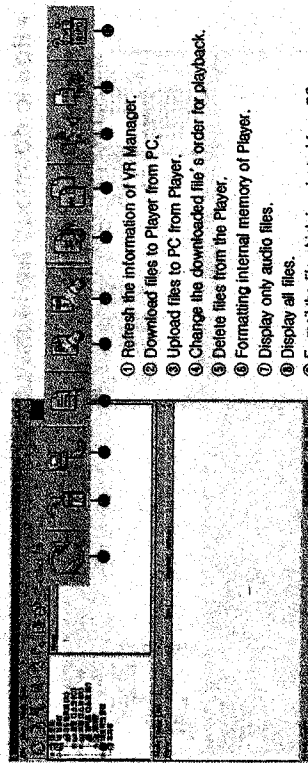
③ Make sure "USB CONNECT" message on LCD.



- ★ Please make sure connect USB cable to the player in STOP state. If not, it can be caused mal-function.
- ★ Before connecting USB cable to PC, Please make sure disconnect audio cable from the player.

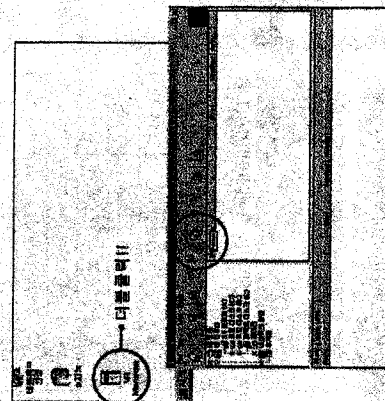
▶ CONNECTING THE PLAYER TO PC

■ The explanation of toolbar icons



- ① Refresh the information of VR Manager.
- ② Download files to Player from PC.
- ③ Upload files to PC from Player.
- ④ Change the downloaded file's order for playback.
- ⑤ Delete files from the Player.
- ⑥ Formatting internal memory of Player.
- ⑦ Display only audio files.
- ⑧ Display all files.
- ⑨ E-mail the file which is selected from PC.
(Supports Korean, English, Japanese, Chinese)
- ⑩ Confirm the information of VR Manager.

■ Formatting internal memory



① Double click the VR Manager icon to Execute manager on monitor.

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

★ If you format internal memory, all of files and downloaded font files will be removed permanently. So please back-up the important files before formatting internal memory.

★ If internal memory is formatted, downloaded font will be removed as well. In this case, user should download font again from VR Manager as the following: Select [Tool]-[Font]
★ Downloaded "MEMORY FULL" message is displayed on LCD. It is impossible to download font any more (font size is about 2MB). In this case, please remove unnecessary files from the Player.
In case of deleting the font files, only English will be displayed in AUDIO MODE.

► PLAY AUDIO FILES (MP3, WMA)

■ How to listen to music with internal speaker

In VOICE MODE, Player is automatically switched into sound output(earphone or internal speaker) according as earphone is connected to Player or not. For example, if the earphone is disconnected from the player, the sound output is automatically switched to internal speaker. But in AUDIO MODE, User should set the internal speaker ON or OFF manually as follows.

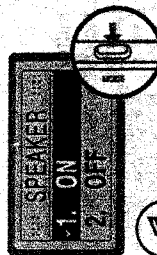
- ① Press MODE button shortly in AUDIO MODE to move to MENU.



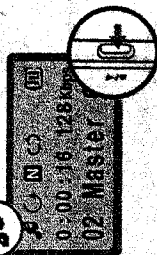
- ② Press FF/REW button to select 'SPEAKER', and then press PLAY/STOP button.



- ③ Press FF/REW button to move to 'SPEAKER ON' and press PLAY/STOP to select it. And press MODE button to exit MENU.



- ④ Press PLAY/STOP button to play (User can listen to music in the state of 'SPEAKER ON' MODE with earphone)



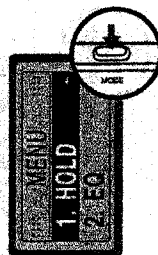
* In a AUDIO MODE, there are two kinds of volume level according to using earphone as follows.
- SPEAKER ON: volume level can be adjusted from 0 to 24.
- SPEAKER OFF: volume level can be adjusted from 0 to 30.

* In case of using internal speaker to listen to music, the battery life time might be reduced according volume level.

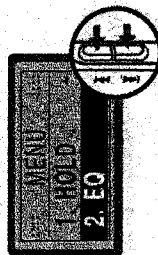
► PLAY AUDIO FILES (MP3, WMA)

■ How to set equalizer(EQ)

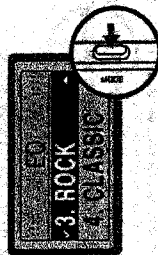
- ① Press MODE button in AUDIO MODE.



- ② Press FF/REW button to move to 'EQ' and press PLAY/STOP button to select it.

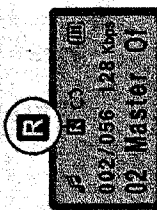


- ③ Press FF/REW button to move to your desired equalizer mode and press PLAY/STOP button to select it. And then press MODE button to exit MENU.



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

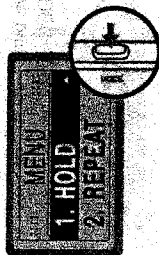
- ④ Make sure EQ icon on LCD



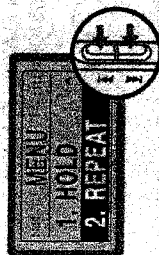
► VOICE RECORDING AND PLAYBACK

■ How to set repeat function

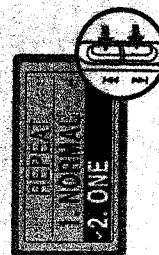
User can set REPEAT method.



① Press MODE button shortly.

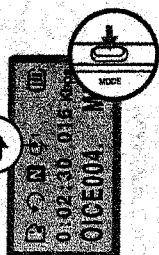


② Press FF/REW button to move to 'REPEAT' and then press PLAY/STOP button.



③ Press FF/REW button to select among NORMAL-ONE-ALL-INTRO and then press 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

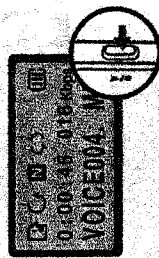


④ Press MODE button to exit menu, make sure REPEAT icon on LCD.

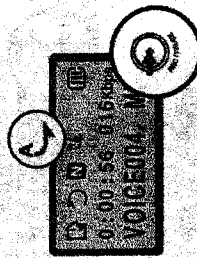
► VOICE RECORDING AND PLAYBACK

■ Repeat SEGMENTATION(A↔B)

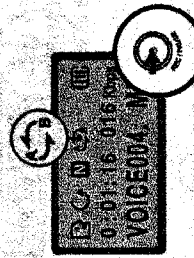
User can play and listen to the specific section repeatedly.



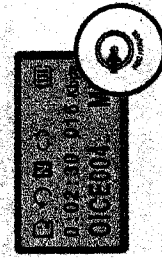
① Press PLAY/STOP button to play selected file in VOICE MODE.



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



③ Press REC button once again to set the end point(the ending part of section). Then, the specific section which you selected, will be played repeatedly.



④ Press REC button again to stop repeat segmentation mode.

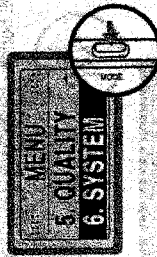
* If change to the other MODE from repeat segmentation mode, the selected repeat segmentation(A↔B) mode will be released.

► VOICE RECORDING AND PLAYBACK

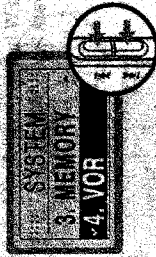
■ How to set VOR(Voice Operating Recording) function.

Automatically pause recording if there is no sound or voice and prevent unnecessary recording. It will maximize the recording time and this function is very useful for recording telephone conversation and lectures. User can set the VOR time.

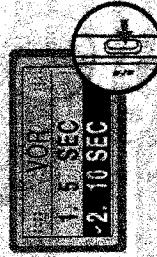
① Press MODE button shortly. And Press FF/REW button to move to 'SYSTEM' menu, and then press PLAY/STOP button.



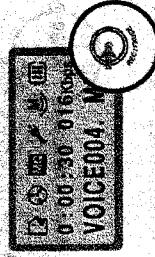
② Press FF/REW button to move to VOR menu, and press PLAY/STOP button, and select 'VOR ON' and then press PLAY/STOP button.



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



④ Press MODE button to exit menu and make sure the setting VOR time during recording.



* User can select VOR time among 5, 10, 15, 20, 25 seconds.

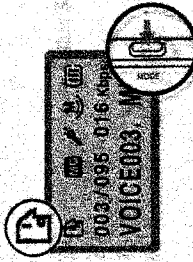
* If there is big or ground noise, VOR function might be not operated properly.

► VOICE RECORDING AND PLAYBACK

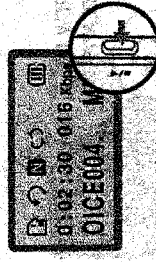
■ How to control playback speed

User controllable play speed during playback.

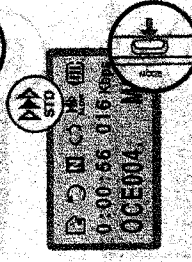
① Press MODE button up to 2 seconds to change to VOICE MODE(or AUDIO MODE, FM PLAY MODE).



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



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



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



* User controllable play speed during playback the file in each MODE(VOICE MODE, AUDIO MODE, FM PLAY MODE).

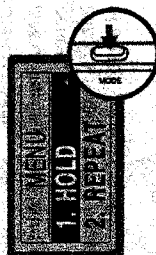
* If user disconnect the earphone from the player during playback of recorded sound or voice file, user can listen to the sound or voice through internal(built-in) speaker.

▶ VOICE RECORDING AND PLAYBACK

■ How to set MONO/STEREO

In case of using audio cable for recording, Set the MODE before recording.

① Press MODE button shortly.



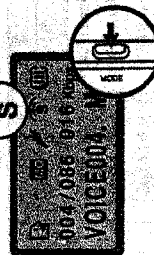
② Press FF/REW button to move to 'M/S' menu and then press PLAY/STOP button.



③ Press FF/REW button to select between MONO and STEREO, and then press PLAY/STOP button.



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



★ If select [MENU] (SOURCE) (LINE IN) and move to M/S MODE, MONO/STEREO menu can be displayed on LCD.

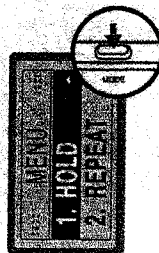
★ STEREO is only available in the state of connection to external device and set the MODE [MENU] (SOURCE) (LINE IN).

▶ VOICE RECORDING AND PLAYBACK

■ How to set recording Quality

User can set up recording—sound quality before recording.

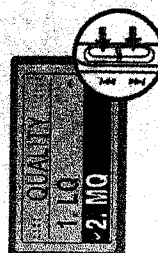
① Press MODE button shortly.



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



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



LQ	MQ	HQ
LOW QUALITY	MEDIUM QUALITY	HIGH QUALITY
Lower sound quality than Normal	Normal/Normal sound quality	Higher sound quality than Normal

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

