🌀 Safety Instructions

- These instructions describe the precautions and about how to deal with the product to prevent personal injury or property loss. Please read the following safety precautions carefully.
- Keep this instruction in the place which you can find easily whenever you need.

※ Warning and Caution

⚠	**Warning**	▶ This symbol indicates that personal injury may occur or the product may be damaged when you fail to follow the given instruction.
⚠	**Caution**	▶ This symbol indicates that property loss may occur or the product may malfunction when you fail to follow the given instruction.

🌀 Contents

⚠ Precautions ●

● Precautions for use of the product

Do not install the product in a place exposed to these conditions:

High temperature (above 40℃)
Poorly ventilated or closed
(car inside, especially summer)

Much moisture (humidity, above 75%).
Dusty place.

Make sure not to place cash cards or pass cards, susceptible to magnetic influences, near to the speaker of the product.

Do not rub the surface using chemicals such as alcohol, benzene, or sinner, etc.

Place the battery in a location that your children or infants cannot access to.

Do not drop down any materials on the product or impact against the product.

Do not impact against the LCD of the product.

• Does not have any responsibility for property loss due to your use of the product even if you use the product correctly. Also does not have any responsibility for demanding any compensation from others.
• Does not have any responsibility for memory data corruptions and resulted property loss due to product malfunction or fault, repair, and/or other reasons.

Digital Power Player

⚠ Precautions ●

● Precautions for use of the battery

Make sure to use the specified standard battery. ('Ni-MH' rechargeable battery)

Do not impose heat on it. Do not disassemble or short-circuit.

Do not place the metals such as coins and keys with the battery. Otherwise, it may cause a fire due to frictional heat.

Make sure that the polarities are correct when inserting a battery.

Use the battery after fully charged.

Excessive charge or discharge makes the battery lifetime shorter.

Place the battery in a location that your children or infants cannot access to.

Make sure to remove the battery when you do not use the product for a long time.

⚠ **Warning**
● When your skin or clothes is stained with electrolyte:
Wash them with clean water immediately. When your skin has been hurt, make sure to consult your doctor.
● When electrolyte enters your eye;
Do not rub your eye. Wash it with clean water immediately and make sure to consult your doctor.

⚠️ Precautions

● Safety Precautions

If the product smokes or any modification occurs due to heating, remove the battery immediately.

Do not use the product in an airplane or a place where electronic devices should not be used.

Do not use earphone during driving or walking. Otherwise it may cause a traffic accident.

Do not use the product during driving such as cars, motorbike etc.

Do not disassemble the product arbitrarily.

Do not plug the adapter into a wall outlet with wet hands.

Do not listen to with a loud volume. Otherwise it may damage your hearing. Control the volume again.

> ### ⚠️ Warning
> ● Do not insert many plugs into one outlet. It may cause a fire.
> ● Do not disassemble the charger.

🌐 Product Features

● **Compact Size**
Handy to carry due to compact size and light-weight.
● **Adapting flash memory**
Recorded sound is preserved even if the power is cut off.
● **Automated Power Break**
Automated power break reduces battery consumption.
● **VOS(Voice Operated Recording System)**
Recording is proceeded only when voice is emitted to reduce the memory usage.
● **Long-time Recording**
See specifications.
● **EL lighting**
You can see the message on the LCD screen even if the place is dark.
● **Easy-to-use folder/file management**
You can easily manage the files by grouping and saving them into the voice, MP3, data folders.
● **Portable External Storage Device**
D folder can be used for a USB storage drive.
● **Playback Speed Control**
You can control playback speed in 3 levels.
● **MP3 Playback Function**
You can listen to the saved MP3 files.
● **Equalizer Function**
You can listen to a MP3 file in the Flat, Pop, Classic, Jazz, or Rock mode.
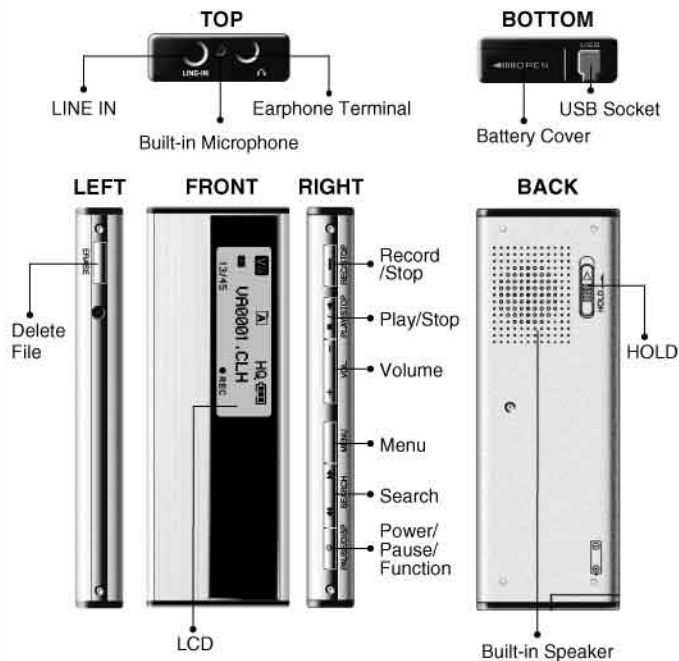● **Receiving and Recording FM Radio**
You can receive and record an FM radio.
● **Remote Control**
You can conveniently set or change the functions of the product using the remote control.

🌀 Names of Parts (Recorder)

TOP
LINE IN   Earphone Terminal

Built-in Microphone

BOTTOM
USB Socket

Battery Cover

LEFT
Delete File

FRONT
LCD

RIGHT
- Record /Stop
- Play/Stop
- Volume
- Menu
- Search
- Power/ Pause/ Function

BACK
HOLD

Built-in Speaker

🌀 Names of Parts (Remote Controller)

LEFT
Search

HOLD

FRONT
- Earphone Terminal
- Power/Pause /Function/Display
- Play/Stop /Preset Memory
- Equalizer (A-B repeat)

RIGHT
Volume

BACK
Clip

◎ LCD Descriptions

VOICE, MUSIC, FM mode icon

Folder icon

Repeat icon

Battery capacity icon

```
Voice  VOS  A  1⟲  HQ  ▊▊▊
HQ   VA0013.CLH
13/45          ▶00:06:27
```

Recording mode icon

Current file/Total file number

Recording/Playback time/Current time

File name

◎ Before Using

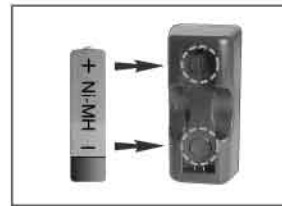● **How to Charge Battery**

1. Insert the Ni-MH rechargeable battery into the charger with correct polarities.
2. Plug the charger to outlet.
   After fully charging, the light changes from red color to green color.

☞ Note ☜
▶ It takes around 2.5 hours in totally discharged condition.
▶ The charger is free voltage.

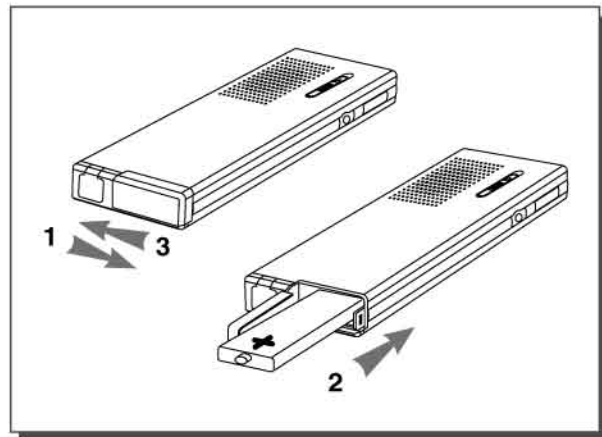**Warning**
● Do not disassemble the charger.
● Do not over charge or over discharge.
● Use the specified standard battery only.
  ('Ni-MH' rechargeable battery)

● **Inserting Battery**

1. Push the battery cover slightly and slide it in the arrow direction.
2. Insert the rechargeable battery with correct polarities (+, -).
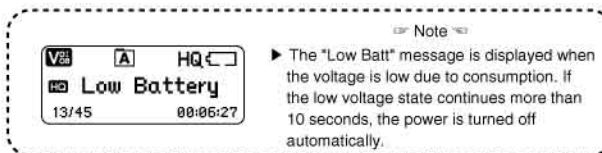3. Close the battery cover.

⚠ **Caution**
● Make sure to replace the batteries in stop state.
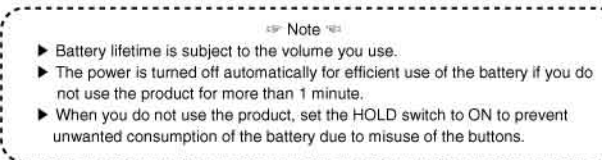● Make sure that the polarities (+, -) are correct.

● **Battery Usage Icon**

Full   Little consumed   Much consumed   Time to replace

☞ Note ☜
▶ The "Low Batt" message is displayed when the voltage is low due to consumption. If the low voltage state continues more than 10 seconds, the power is turned off automatically.

● **Battery Lifetime**

Battery	Recording Voice	Playback MP3	Receiving FM	Playback with Speaker	Playback with Earphone
Ni-MH Battery	6 hours	12 hours	11 hours	10 hours	12 hours

☞ Note ☜
▶ Battery lifetime is subject to the volume you use.
▶ The power is turned off automatically for efficient use of the battery if you do not use the product for more than 1 minute.
▶ When you do not use the product, set the HOLD switch to ON to prevent unwanted consumption of the battery due to misuse of the buttons.
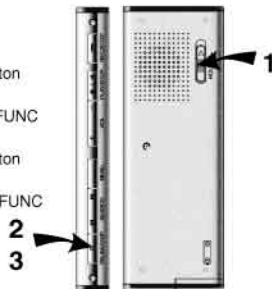
🔊 Before Using

● Powering On/Off

1. Set the HOLD button to OFF.
2. [Recorder] Press the POW/PAUSE/DISP button shortly once to turn the power on.
   [Remote Controller] Press the POW/PAUSE/FUNC /DISP button shortly once.
3. [Recorder] Press the POW/PAUSE/DISP button longer than 3 seconds to turn the power off.
   [Remote Controller] Press the POW/PAUSE/FUNC /DISP button longer than 3 seconds.

1

2
3

> ☞ Note ☜
> ▶ The power is turned off automatically if there is no operation in VOICE and MP3 mode for 1 minute.

● Button Functions
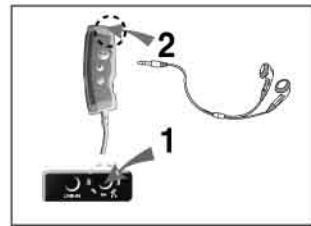
▶ PLAY/STOP: Playback and Stop
▶ REC/STOP: Recording and Stop
▶ FF: Fast forward
▶ REW: Rewind
▶ VOLUME: Volume control
▶ POW/PAUSE/DISP: Turns the power on, stops playback/recording temporarily, and selects functions.
▶ MENU: Selecting folder, mode and VOS function
▶ ERASE: Deleting recorded files.
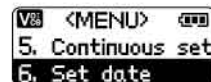▶ HOLD: Button hold on/off to prevent unwanted operations.

🔊 Before Using

● Connecting Remote Controller

1. Insert the remote controller's plug into Earphone Terminal on top of the recorder.
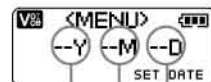2. Insert the earphone plug into Earphone Terminal on top of the remote controller.

2

1

● Setting Date/Time

1. Turn the power on.
2. Press the MENU button.
3. Select '6. Set date' using the FF/REW button.
4. Set the year.
   Select a year you want using the FF/REW button when the "--Y" message blinks on the LCD screen and press the MENU button shortly once. The year you selected is set and the mode changes to the mode you can set a month.
5. Set the month
   Select a month you want using the FF/REW button when the "1M" message blinks on the LCD screen and press the MENU button shortly once. The month you selected is set and the mode changes to the mode you can set a day.
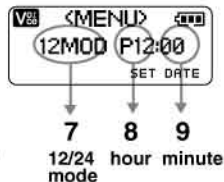6. Set the day
   Select a day you want using the FF/REW button when the "1D" message blinks on the LCD screen and press the MENU button shortly once. The day you selected is set and the mode changes to the 12/24 time mode you can set a time.

```
V॒8  〈MENU〉    🔋
5. Continuous set
6. Set date
```

```
V॒8  〈MENU〉    🔋
--Y  --M  --D
           SET DATE
```

4   **5**   **6**
Year Month Date

⦿ Before Using

7. Set the 12/24 time mode.
   Select the 12 or 24 time mode using the FF/REW button when the "12MOD" message blinks on the LCD screen and press the MENU button shortly once. The time mode is set to 12 or 24 and the mode changes to the mode you can set a time.

8. Set the time.
   Select the time you want using the FF/REW button when the "12" message blinks on the LCD screen and press the MENU button shortly once. The time you selected is set and the mode changes to the mode you can set a minute.
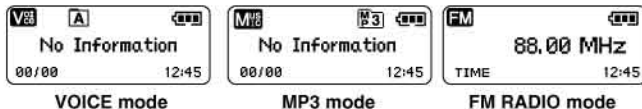
9. Set the minute.
   Select the minute you want using the FF/REW button when the "00" message blinks on the LCD screen and press the MENU button longer once to set the minute you selected. The time setting is completed and the product changes to the standby mode.

```
┌─────────────────────────┐
│ V⁰¹     <MENU>      ▭▭   │
│  CH                      │
│  12MOD  P12:00           │
│              SET DATE    │
└─────────────────────────┘
     ↓       ↓    ↓
     7       8    9
   12/24   hour  minute
   mode
```

☞ Note ☜
- When setting date and time, if you do not press any button for more than 20 seconds or you press the MENU button longer, the date and time you have set is canceled and the mode changes to the standby mode.

● Selecting mode
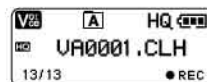Use the POW/PAUSE/DISP button after powering on.

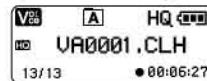| V⁰¹ 🅰 ▭▭	M⁰¹ 🎵3 ▭▭	FM ▭▭
No Information	No Information	88.00 MHz
00/00 12:45	00/00 12:45	TIME 12:45
VOICE mode	**MP3 mode**	**FM RADIO mode**

⦿ Using Voice Recorder

● Recording
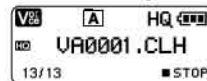1. Turn the power on and press the REC/STOP button shortly once.
2. Press the REC/STOP button again recording.

```
┌─────────────────────────┐
│ V⁰¹   🅰    HQ ▭▭        │
│  CH                      │
│ HD   VA0001.CLH          │
│ 13/13        ●REC        │
└─────────────────────────┘
      Start Recording
┌─────────────────────────┐
│ V⁰¹   🅰    HQ ▭▭        │
│  CH                      │
│ HD   VA0001.CLH          │
│ 13/13        ●00:06:27   │
└─────────────────────────┘
        Recording
┌─────────────────────────┐
│ V⁰¹   🅰    HQ ▭▭        │
│  CH                      │
│ HD   VA0001.CLH          │
│ 13/13        ■STOP       │
└─────────────────────────┘
      Stop Recording
```

1 ►
2

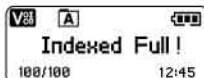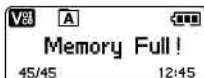## 🌐 Using Voice Recorder

☞ Note ☜

▶ If the recording source is shorter than 2 seconds, it is not recorded.
▶ Volume control is disabled during recording.
▶ If the number of the files is more than 100 for a folder, "Indexed Full!" is displayed and recording is disabled.

V	A	🔋
Indexed Full !		
100/100		12:45

< When the number of files is more than 100 >

▶ When the recording time is over, "Memory Full!" is displayed and recording is disabled (See Specifications).

V	A	🔋
Memory Full !		
45/45		12:45

< When you fail to record due to recording time over >

⚠ **Caution** ▶ Try a test recording first to prevent recording failure.

🌐 Using Voice Recorder

● **Playback**

You can hear the recorded sound using the built-in speaker or earphone.
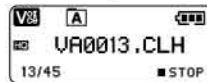
1. Select the number of the folder or the file you wish to playback (See page 19, 29).
2. Control the volume using the VOLUME button.
3. [Recorder] Press the PLAY/STOP button shortly once.
   [Remote Controller] Press the PLAY/STOP/PRESET button shortly once.
4. [Recorder] Press the PLAY/STOP button again shortly to stop playback.
   [Remote Controller] Press the PLAY/STOP/PRESET button again shortly.

V	A	🔋
🔳	VA0013.CLH	
13/45	▶ PLAY	

Start Playback

V	A	🔋
🔳	VA0013.CLH	
13/45	▶00:06:27	

Playback

V	A	🔋
🔳	VA0013.CLH	
13/45	■STOP	

Stop Playback

⚠ **Warning**
● Do not listen to recorded files with a loud volume. Otherwise it may damage your hearing.
● Start from a low volume, and then set the volume to an appropriate level.

● **Scanning File (FF/REW)**

Using the FF/REW button, you can move to the file you want.

▶ Moving to the previous or next file:
[Recorder]/[Remote Controller] Press the FF/REW
button shortly during playback.

▶ Scanning file:
[Recorder]/[Remote Controller] Press the FF/REW
button longer during playback. For the first 10 seconds:
The playback time is increased or decreased by second.
After 10 seconds: The playback time is increased or
decreased by 10 seconds.

▶ Selecting the previous or next file :
[Recorder]/[Remote Controller] Press FF/REW
button shortly in the stop state.

Moving to the previous or next file

◆ When you want to listen to the recorded sound from the 30-minute position
on the fourth of 5 recorded files:
1. Move to the fourth file by pressing the FF/REW button shortly in the stop mode.
2. Press the PLAY button.
3. Press the FF/REW button longer to move fast to a position. Fast forward/rewind
works while you are holding it down. When moved to the 30-minute position,
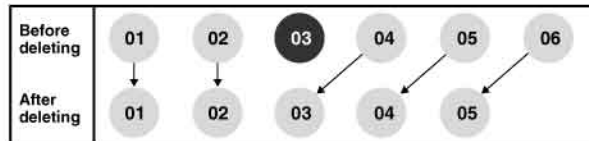stop holding it down and playback starts from the position you stop.

● **Deleting Recorded Sound**
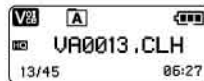
Deletes the sound recorded in the product.

Deleting one file

Deletes one file in the recoded sounds.
The file numbers are decreased by one after deleting file.

▶ When deleting the file #3:

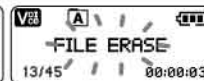| Before deleting	01	02	03	04	05	06
After deleting	01	02	03	04	05	

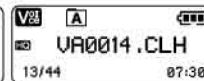※ The number 4 file is moved to the number 3 file automatically.

1. Select the file to delete in stop state.
2. Press the ERASE button longer once. The
"FILE ERASE" message blinks and the first 5 seconds
of the recorded file are played back.
3. Press the ERASE button longer once again to delete file.

2
3

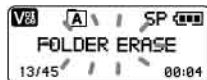| VA0013.CLH	FILE ERASE	VA0014.CLH
13/45 06:27	13/45 00:00:03	13/44 07:30
〈삭제 전〉	〈삭제 중〉	〈삭제 후〉

▶ If you press other button except the ERASE button, file deletion is cancelled.
▶ If you do not press any button for 5 seconds the ERASE function is released automatically.
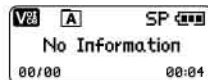
Deleting all files in a folder

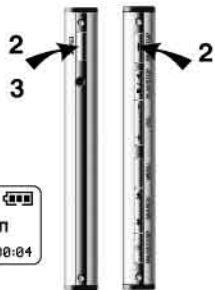Deletes all the recorded files saved in a folder.

1. Select the folder to delete .
2. Press the ERASE and REC/STOP buttons at the same time in stop mode for more than 2 seconds. The "FOLDER ERASE" message blinks on the LCD screen.
3. Press the ERASE button longer once again to delete all files in the folder.

V🔋 🅰 \ / SP ▥	V🔋 🅰 SP ▥
FOLDER ERASE	No Information
13/45 / / \ 00:04	00/00 00:04
〈삭제 전〉	〈삭제 후〉

☞ Note ☜
▶ When deleting all the files or formatting, if you press other button except the ERASE button or you do not press any button for 5 seconds, file deletion is cancelled.

⚠ **Caution** ▶ The deleted recording file cannot be recovered. Please make sure to decide carefully and check the file(s) you select to delete.

Formatting

Deletes all recorded files in the product.

1. Press the ERASE and REC/STOP buttons at the same time in stop mode for more than 4 seconds. " FOLDER ERASE" message is displayed then "FORMAT" message blinks on the LCD screen.
2. Press the ERASE button longer once again to delete all recorded files saved in the product.

V🔋 🅰 \ / HQ ▥
–FORMAT–
13/45 / / \ 06:27

☞ Note ☜
▶ When deleting all the files or formatting, if you press other button except the ERASE button or you do not press any button for 5 seconds, file deletion is cancelled.

⚠ **Caution** ▶ The deleted recording file cannot be recovered. Please make sure to decide carefully and check the file(s) you select to delete.
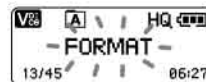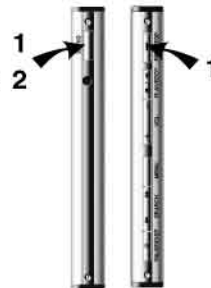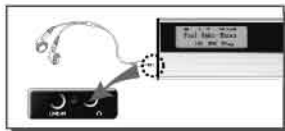
● **Recording Functions**

Recording Monitoring

Records the sound with hearing the recording sound using an earphone.
Connect an earphone to the earphone terminal of the product.

Recording Pause

Stops the recording temporarily.
1. [Recorder] Press the POW/PAUSE/DISP button shortly once to pause a recording.
[Remote Controller] Press the POW/PAUSE/FUNC /DISP button shortly once to pause a recording.
2. [Recorder] Press the POW/PAUSE/DISP button or REC/STOP button shortly once to start recording again.
[Remote Controller] Press the POW/PAUSE/FUNC/DISP button shortly once to start recording again.

> ☞ Note ☞
> ▶ When 30 minutes are passed after you paused, the power is turned off automatically.

Index Added Recording

Adds the indexing number (file number) of the file being recorded.

[Recorder] Press the FF button during recording, the file number of the file being recorded is increased and saved automatically.
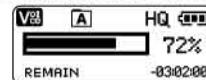[Remote Controller] Press the FF button during recording, the file number of the file being recorded is increased and saved automatically.

◆ When you press the FF button and record for 30 minutes after recording for 30 minutes starting from the number 1 file, the sound is recorded in the number 1 file for 30 minutes and in the number 2 file for 30 minutes.

Memory Capacity and Remaining Recording Time Display

Shows currently remaining memory capacity and remaining recording time.
1. [Recorder] Press the POW/PAUSE/DISP button longer during recording, REC DATE(recording date) displays.
[Remote Controller] Press the POW/PAUSE/FUNC/DISP button longer during recording, REC DATE displays.
2. [Recorder] Press the POW/PAUSE/DISP button shortly once again, currently remaining memory capacity shows on the LCD.
[Remote Controller] Press the POW/PAUSE/FUNC/DISP button shortly once again, currently remaining memory capacity shows on the LCD.

> ☞ Note ☞
> ▶ You can check the memory capacity and remaining recording time only during recording and playback. During recording, REC DATE -> Remain (remaining recording time) is displayed. And during playback, remaining playback time -> Remain (remaining capacity) is displayed.

● **Playback Functions**

Volume Control

Controls the volume using the VOLUME button. The range is between 0 and 15.

⚠️ **Warning**
- Do not listen to the recorded files with a loud volume. Otherwise it may damage your hearing.
- Start from a low volume, and then set the volume to an appropriate level.

Pause

Stops the playback temporarily.
1. [Recorder] Press the POW/PAUSE/DISP button shortly once during playback.
   [Remote Controller] Press the POW/PAUSE/FUNC/DISP button shortly once during playback.
2. [Recorder] Press the POW/PAUSE/DISP button or PLAY/STOP button shortly again to start playback again.
   [Remote Controller] Press the POW/PAUSE/DISP button or PLAY/STOP button shortly to start playback again.

☞ Note ☜
▶ If there is no operation for 30 minutes after the product paused, the power is turned off automatically.

Scan and Playback

The first 5 seconds of each files are played back one by one.
1. [Recorder] Press the PLAY/STOP button longer once in the stop mode.
   [Remote Controller] Press the PLAY/STOP button longer once in the stop mode.
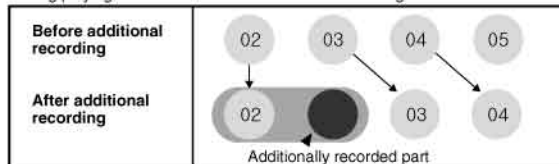2. ▶ SCAN PLAY blinks on the LCD and the first 5 seconds of each file are played back in the order.

Resume

Playbacks from the position you stopped when you stopped playback by pressing the PLAY/STOP button during playback and then press the PLAY/STOP button again.

Additional Recording

During playing back file # 2 start an additional recording.

Before additional recording	02	03	04	05
After additional recording	02 ⬤		03	04

Additionally recorded part

1. Press the REC/STOP button longer once during playback.
2. Recoding starts successively at the end of the file being played back.
3. Press the REC/STOP button once again to stop recording and change to the standby mode.

◆ When you want to add an additional recording to the number 2 file:

1. Press the FF/REW button to search the file # 2.
2. Press the PLAY button to playback the file.
3. Press the REC/STOP button longer than 1 second during playback to record additional sound at the end of the number 2 file.
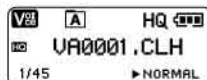4. Press the REC/STOP button to stop recording.
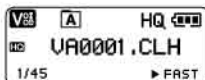
🔘 Using Voice Recorder

Playback Speed Control

You can control playback speed in 3 levels: Fast (20% faster than the normal speed), Normal (steady speed), or Slow (20% slower than the normal speed).

1. Press the PLAY/STOP button longer during playback.
2. Select Normal, Fast, or Slow using the FF/REW button.

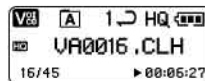|		
V̄OL A HQ 🔋 HD VA0001.CLH 1/45 ▶NORMAL	V̄OL A HQ 🔋 HD VA0001.CLH 1/45 ▶FAST	V̄OL A HQ 🔋 HD VA0001.CLH 1/45 ▶SLOW
Normal	**Fast**	**Slow**

Repeating File

Repeats the selected file continuously.

1. Press the MENU button longer during playback to repeat playback.
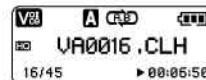2. Press the MENU button longer once again to release repeating file.

V̄OL A 1↪ HQ 🔋
HD VA0016.CLH
16/45 ▶00:06:27

🔘 Using Voice Recorder

Repeating A-B Section

Repeats playback for a specified section.

1. Press the MENU button shortly once on the first position of the section you wish to repeat during playback, the position A is set.
2. Press the MENU button shortly once on the end position of the section you wish to repeat during playback. The position B is set and then the A-B section is played back repeatedly.
3. Press the PLAY/STOP button to release repeating section.

V̄OL A ⟲ 🔋
HD VA0016.CLH
16/45 ▶00:06:50

```
☞ Note ☜
▶ After selecting the position A, if you do not select the position B, the end
  position of the file is set to the position B.
```
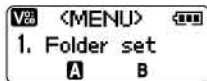
● **Setting Menu**

Setting Folder

You can save a file in one of A, B folders.
1. Press the MENU button shortly once.
2. Select '1. Folder Set' using the FF/REW button and press the MENU button shortly once.
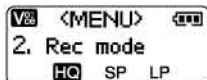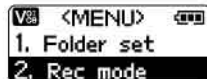
```
V⊠  <MENU>   ▥
1. Folder set
2. Rec mode
```

3. Select one of A, B folders using the FF/REW button and press the MENU button shortly once to set the selected folder and move to the top menu.

```
V⊠  <MENU>   ▥
1. Folder set
  A      B
```

Setting Recording Mode

You can record in appropriate mode you want according to your situation.
1. Press the MENU button shortly once.
2. Select '2. REC mode' using the FF/REW button and press the MENU button shortly once.

```
V⊠  <MENU>   ▥
1. Folder set
2. Rec mode
```

3. Select one option of HQ, LP, and SP using the FF/REW button and then press the MENU button shortly once to finish setting the recording mode and move to the top menu.

```
V⊠  <MENU>   ▥
2. Rec mode
  HQ   SP   LP
```

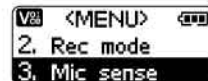| Recording Mode	Compression Rate
HQ (High quality recording mode)	64 Kbps
SP (standard recording mode)	32 Kbps
LP (long time recording mode)	16 Kbps

☞ Note ☜
▶ The recording quality is better in the order of HQ > SP > LP.
▶ Recording time means the available maximum recording time. If you have recorded to the maximum recording time on the number 1 file in the HQ mode, no more can be recorded and you must delete the recorded files in order to record again.

Setting microphone sensitivity

You can record in appropriate mode of Hi or Low mode according to your situation.
1. Press the MENU button shortly once.
2. Select '3. Mic sense' using the FF/REW button and press the MENU shortly once.

```
V⊠  <MENU>   ▥
2. Rec mode
3. Mic sense
```

3. Select one option of Hi and Low using the FF/REW button and then press the MENU button shortly once to finish setting the microphone sensitivity and move to the top menu.

```
V⊠  <MENU>   ▥
3. Mic sense
  Hi    Low
```

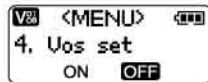| Hi: Quiet place (when recording a lecture) |
|---|
| Low: Noisy place |

⊗ Using Voice Recorder

Setting VOS

Recording is proceeded only when sound is emitted. It reduces memory usage.
1. Press the MENU button shortly once.
2. Select '4. VOS set' using the FF/REW button and press the MENU button shortly once.

> **V₈₈ <MENU> ▭**
> **3. Mic sense**
> **4. Uos set**

3. Select ON or OFF using the FF/REW button and then press the MENU button shortly once again to finish setting VOS and move to the top menu.

> **V₈₈ <MENU> ▭**
> **4. Uos set**
> **ON OFF**

☞ Note ☜
▶ The battery consumption in the VOS ON mode is the same with other mode. When the battery runs out the power is turned off automatically.
▶ Only VOS SET and MIC SENSE can be set during recording.

⊗ Using Voice Recorder

Repeating folder playback

Playbacks all the files in a folder repeatedly.
1. Press the MENU button shortly once
2. Select '5.Continuous set' using the FF/REW button and press the MENU button shortly once.

> **V₈₈ <MENU> ▭**
> **4. Uos set**
> **5. Continuous set**

3. Select ON or OFF using the FF/REW button and press the MENU button shortly once to activate the repeating folder playback function and move to the top menu.

> **V₈₈ <MENU> ▭**
> **5. Continuous set**
> **ON OFF**

☞ Note ☜
▶ Press the MENU button, the REC/STOP or PLAY/STOP button longer once to escape from the sub menu to the Voice function directly after completing setting each item.
▶ Press the REC/STOP or PLAY/STOP button shortly once to cancel setting on the sub menu.

Setting Date/Time

See page 14 for details.

🎵 Using MP3 Function

● Switching to MP3 function

[[Recorder] Press the POW/PAUSE/DISP button shortly once in the power-on state to switch to the MP3 function.
[Remote Controller] Press the POW/PAUSE/FUNC/DISP button shortly once to switch to the MP3 function in the stop state after turning the power on.

```
M P3  CLAS.           P3
     SONG.MP3
13/20              A12:45
```
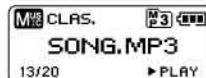
Shortly once ◀

> ☞ Note ☜
> ▶ Switching to the Voice, MP3, or Radio function is available only in the stop state.

● Playback

You can listen to MP3 file saved in the product.

2,3

1. [Recorder] Press the PLAY/STOP button shortly once.
   [Remote Controller] Press the PLAY/STOP/PRESET button shortly once.
2. [Recorder] Press the PLAY/STOP button shortly once again to stop playback.
   [Remote Controller] Press the PLAY/STOP/PRESET button shortly once.

1

```
M P3  CLAS.           P3
     SONG.MP3
13/20            ▶PLAY
```
Start Playback

```
M P3  CLAS.           P3
     SONG.MP3
13/20            ▶00:06:27
```
Playback

```
M P3  CLAS.           P3
     SONG.MP3
13/20            ■STOP
```
Stop Playback

🎵 Using MP3 Function

> ☞ Note ☜
> ▶ To save MP3 files, please refer to the Power Voice IV manual.

● Scanning File (FF/REW)

Using the FF/REW button, you can move to the file you want.
▶ Moving to the previous or next file:
   [Recorder]/[Remote Controller] Press the FF/REW button shortly during playback.
▶ Scanning file:
   [Recorder]/[Remote Controller] Press the FF/REW button longer during playback. For the first 10 seconds: The playback time is increased or decreased by second. After 10 seconds: The playback time is increased or decreased by 10 seconds.
▶ Selecting the previous or next file :
   [Recorder] / [Remote Controller] Press FF/REW button shortly in the stop state.

Moving to the previous or next file ▼

● Deleting MP3 File

You can delete the MP3 files saved in the product.

Deleting one file

2

3

Deletes one file in the recoded sounds.
The file numbers are decreased by one after deleting file.

1. Select the file to delete in stop state.
2. Press the ERASE button longer than one second. The "FILE ERASE" message blinks and the first 5 seconds of the recorded file are played back.
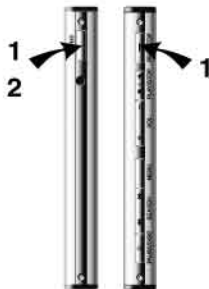3. Press the ERASE button longer once again to delete file.

Deleting all files in the MP3 folder.

Deletes all the recorded files saved in a folder.

1. Press the ERASE and REC/STOP buttons at the same time in stop mode for more than 2 seconds. The "FOLDER ERASE" message blinks on the LCD screen.
2. Press the ERASE button longer once again to delete all files in the folder.

1

2

1

☞ Note ☜
▶ If you press other button except the ERASE button, file deletion is cancelled.
▶ If you do not press any button for 5 seconds the ERASE function is released automatically.

⚠ **Caution** ▶ The deleted recording file cannot be recovered. Please make sure to decide carefully and check the file(s) you select to delete.

● MP3 Playback Functions

Volume Control

Controls the volume using the VOLUME button. The range is between 0 and 15.

⚠ **Warning** ▶ Do not listen to the recorded files with a loud volume. Otherwise it may damage your hearing.
▶ Start from a low volume, and then set the volume to an appropriate level.

Pause

Stops the playback temporarily.
1. [Recorder] Press the POW/PAUSE/DISP button shortly once during playback MP3 file.
   [Remote Controller] Press the POW/PAUSE/FUNC /DISP button shortly once during playback MP3 file.
2. [Recorder] Press the POW/PAUSE/DISP button or PLAY/STOP button shortly once again to continue playback.
   [Remote Controller] Press the POW/PAUSE/FUNC/DISP button or PLAY/STOP/ PRESET button shortly once again to continue playback.

```
CLAS.        MP3
SONG.MP3
13/20        ‖PAUSE
```

☞ Note ☜
▶ If there is no operation for 30 minutes after the product paused, the power is turned off automatically.

Scan and Playback

The first 5 seconds of each files are played back one by one.
1. [Recorder] Press the PLAY/STOP button longer in stop mode.
   [Remote Controller] Press the PLAY/STOP/PRESET button longer in stop mode.
2. The first 5 seconds of the recorded files are played back in the order.

⊘ Using MP3 Function

Resume

Playbacks from the position you stopped when you stopped playback by pressing the PLAY/STOP button during playback and then press the PLAY/STOP button again.
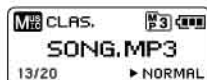
☞ Note ☜
▶ If you press other button than the PLAY/STOP button after stopping playback, the file is played back from the first position.
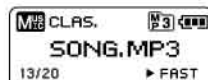
Playback Speed Control

You can control playback speed in 3 levels: Fast (20% faster than the normal speed), Normal (steady speed), or Slow (20% slower than the normal speed).
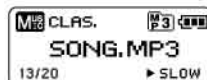1. [Recorder] Press the PLAY/STOP button longer during playback.
   [Remote Controller] Press the PLAY/STOP/PRESET button longer during playback.
2. [Recorder]/[Remote Controller] Select Normal, Fast, or Slow using the FF/REW button.

CLAS. [M3]	CLAS. [M3]	CLAS. [M3]
SONG.MP3	SONG.MP3	SONG.MP3
13/20 ▶ NORMAL	13/20 ▶ FAST	13/20 ▶ SLOW
Normal	**Fast**	**Slow**

⊘ Using MP3 Function

Repeating A-B Section

Repeats playback for a specified section.
1. [Recorder] Press the MENU button shortly once on the first position of the section you wish to repeat during MP3 playback, the position A is set.
   [Remote Controller] Press the EQ button shortly once on the first position of the section you wish to repeat during MP3 playback, the position A is set.

CLAS. [M3]
SONG.MP3
13/20   ▶ 00:06:50

2. [Recorder] Press the MENU button shortly once on the end position of the section you wish to repeat during playback. The position B is set and then the A-B section is played back repeatedly.
   [Remote Controller] Press the EQ button shortly once on the end position of the section you wish to repeat during playback. The position B is set and then the A-B section is played back repeatedly.
3. [Recorder] Press the MENU button to release repeating section.
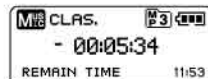   [Remote Controller] Press the EQ button to release repeating section.

☞ Note ☜
▶ After selecting the position A, if you do not select the position B, the end position of the file is set to the position B.

Remaining Playback Time Display

You can view the remaining playback time.
[Recorder] Press the POW/PAUSE/DISP button longer in stop or playback state and then press the button once again to display REMAIN TIME.
[Remote Controller] Press the POW/PAUSE/FUNC/DISP button longer in stop or playback state and then press the button once again to display REMAIN TIME.

CLAS. [M3]
- 00:05:34
REMAIN TIME   11:53
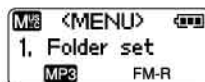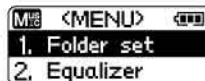
⊘ Using MP3 Function

Memory Capacity Display

Press the POW/PAUSE/FUNC/DISP button during displaying the remaining playback time, then remaining memory capacity is displayed.

● **Setting Menu**

Folder Set

You can select the MP3 and FM-R folder you wish to playback.

1. Press the MENU button shortly once.
2. Select 1. Folder set using the FF/REW button and press the MENU button shortly once.

```
M♫ <MENU>  ▭
1. Folder set
2. Equalizer
```

3. Select one option of MP3 and FM-R and press the MENU button to finish setting folder and move to the top menu

```
M♫ <MENU>  ▭
1. Folder set
MP3      FM-R
```
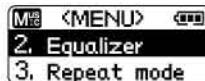
※ MP3 folder : Saving MP3 files FM-R folder : Saving recorded files on radio function.

Setting Equalizer

You can select an appropriate mode according to music file type you wish to playback.

1. Press the MENU button shortly once.
2. Select 2. Equalizer using the FF/REW button and press the MENU button shortly once.

```
M♫ <MENU>  ▭
2. Equalizer
3. Repeat mode
```

3. Select one option of Pop, Jazz, Rock, Clas. (classic), and Flat using the FF/REW button and press the MENU button to finish setting equalizer and move to the top menu.
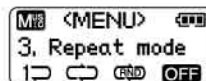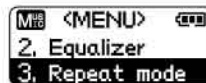
```
M♫ <MENU>  ▭
2. Equalizer
Pop  Jazz  Rock ▶
```

⊘ Using MP3 Functions

Repeating playback

You can set the method of the repeating playback.

1. Press the MENU button shortly once.
2. Select '2. Repeat mode' using the FF/REW button and press the MENU button shortly once.

```
M♫ <MENU>  ▭
2. Equalizer
3. Repeat mode
```

3. Select one option of File Repeat, All File Repeat, Random Repeat, and OFF using the FF/REW button then press the MENU button shortly once to finish setting the repeat mode and move to the top menu.

```
M♫ <MENU>  ▭
3. Repeat mode
1↻  ↻  ↻  OFF
```

1↻	File Repeat	Repeats only the selected filecontinuously.
↻	All File Repeat	Repeats all the files continuously.
↻	Random Repeat	Repeats all the files continuously in random order.
OFF	OFF	Turns off repeat mode.

☞ Note ☜
▶ Press the MENU button, the REC/STOP or the PLAY/STOP button longer once to escape from the sub menu to the MP3 function directly after completing setting each item.
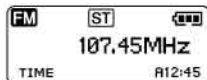▶ Press the REC/STOP or the PLAY/STOP button shortly once to cancel setting on the sub menu.

● **Switching to Radio Function**

[Recorder] Press the POW/PAUSE/DISP button shortly
twice to switch to the Radio function in the stop state
after turning the power on.
[Remote Controller] Press the POW/PAUSE/FUNC/DISP
button shortly twice to switch to the Radio function
in the stop state after turning the power on.

FM ST
107.45MHz
TIME   A12:45

Shortly twice ▶

※ Without inserting earphone, you cannot listen to broadcast.

☞ Note ☜
▶ Switching to the Voice, MP3, or Radio function is available only in the stop state.

● **Scanning Frequency**

Scans the frequency of the broadcast you wish to listen to.
▶ Auto Frequency Scanning
  Press the FF/REW button longer while listening to a
  radio broadcast.
▶ Manual Frequency Scanning
  Press the FF/REW button shortly once while listening
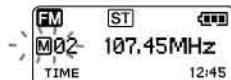 to a radio broadcast.

Auto/Manual frequency scanning ▶

Digital Power Player

● **Using Frequency Preset Memory**

Memorizes the frequency of the current broadcast to
your desired frequency memory number.
1. Press the MENU button shortly once while listening to a
   radio broadcast, the " ☑ " blinks on the LCD screen.

FM ST
M02 107.45MHz
TIME   12:45

1,3 ▶

2 ▶

2. Select your desired frequency memory number using
   the FF/REW button.
3. Press the MENU button shortly once again to save the
   current broadcast frequency to the selected number.

☞ Note ☜
▶ You can save up to 20 frequencies.

● **Listening to Preset Frequency**

You can listen to the frequency broadcast saved with
the preset number.
1. [Recorder] Press the PLAY/STOP button shortly once
   while listening a radio broadcast.
   [Remote Controller] Press the PLAY/STOP/PRESET
   button shortly once while listening a radio broadcast.
2. The " ℗ " blinks on the LCD screen.
3. Select your desired number using the FF/REW button
   to listen to a preset broadcast.
4. Press the PLAY/STOP button shortly once to release
   the Preset Frequency mode.
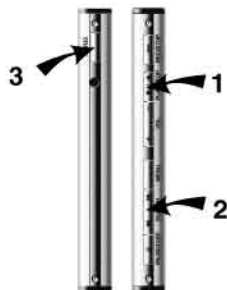
1 ▶

3 ▶

Digital Power Player

⊗ Using Radio Functions

● Deleting Preset Frequency

You can delete a preset frequency.
1. [Recorder] Press the PLAY/STOP button longer once while listening to a radio broadcast.
   [Remote Controller] Press the PLAY/STOP/ PRESET button longer once while listening to a radio broadcast.
2. Select the number you wish to delete using the FF/REW button.
3. Press the ERASE button longer once, the "Erase" is displayed on the LCD screen.

```
FM        ST        ▭
M02  - Erase -
TIME             A12:45
```

4. Press the ERASE button longer once to delete the frequency of the selected number.
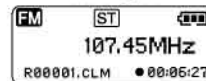
⊗ Using Radio Functions

● Recording Broadcast

Records the broadcast you are listening to.
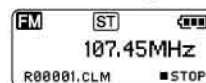1. Press the REC/STOP button longer once to start recording while listening to a broadcast.
2. Press the REC/STOP button longer once to stop recording.

```
FM      ST        ▭
107.45MHz
R00001.CLM      ●REC
```
Recording start

```
FM      ST        ▭
107.45MHz
R00001.CLM      ●00:06:27
```
Recording

```
FM      ST        ▭
107.45MHz
R00001.CLM      ■STOP
```
Recording stop

� Using Radio Functions

● **Pausing Recording**

You can stop recording temporarily

1. [Recorder] Press the POW/PAUSE/DISP button shortly once to stop recording temporarily.
   [Remote controller] Press the POW/PAUSE/FUNC/DISP button shortly once to stop recording temporarily.
2. [Recorder] Press the POW/PAUSE/DISP button shortly once to resume recording.
   [Remote controller] Press the POW/PAUSE/FUNC/DISP button shortly once to resume recording.

☞ Note ☜
▶ After pausing, the power is turned off automatically if you do not press any button for 30 minutes.

● **Setting Menu**

Setting Mono / Stereo mode

You can change to the Mono or Stereo mode while listening to a radio broadcast.
1. Press the MENU button longer once.
2. Select '1.Mono/Stereo' using the FF/REW button and press the MENU button shortly once.

```
FM  <MENU>  ▥
1. Mono/Stereo
2. Areaset
```

3. Select Mono or Stereo using the FF/REW button and press the MENU button shortly once to finish setting the mode.

```
FM  <MENU>  ▥
1. Mono/Stereo
   MO   ST
```
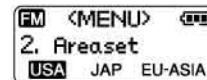
� Using Radio Functions

Setting Area

You can change the frequency band according to your area.

1. Press the MENU button shortly once.
2. Select '2. Area set' using the FF/REW button and press the MENU button shortly once.

```
FM  <MENU>  ▥
1. Mono/Stereo
2. Areaset
```

3. Select one option of USA, JAP, and EU-ASIA using the FF/REW button and press the MENU button to finish setting area.

```
FM  <MENU>  ▥
2. Areaset
USA  JAP  EU-ASIA
```

☞ Note ☜
▶ Available frequency band according to area.

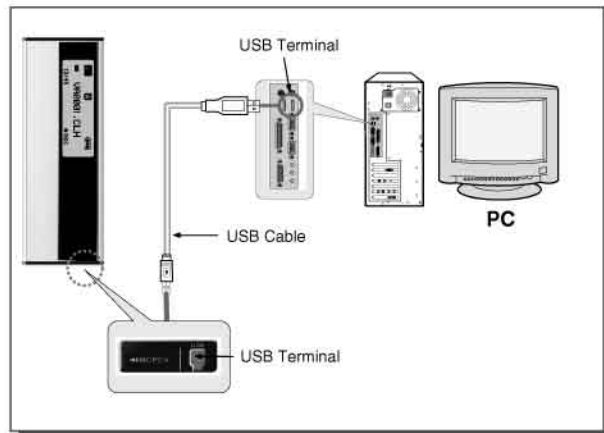| Area	Frequency Band	Mobile Frequency Unit
USA/Korea	88.0 MHz ~ 108.0 MHz	100 KHz
Europe/Asia	88.0 MHz ~ 108.0 MHz	50 KHz
Japan	76.0 MHz ~ 108.0 MHz	76.0 MHz ~ 90.0 MHz : 100 KHz 90.0 MHz ~ 108.0 MHz : 50 KHz

Setting Date/Time

See page 14 for details.

⊘ USB Interface

You can connect the product to your PC with a USB cable and transmit data between them. For more information on how to transmit data, refer to the user manual of Digital Human Voice.

USB Terminal

USB Cable

PC

USB Terminal

⊘ Connecting to External Device

● **When recording the sound of an external device to your recorder**

You can record the sound of an external sound device to your recorder.
1. Connect the output terminal (earphone terminal) of an external device and the LINE -IN terminal of the recorder with an audio cable.
2. Control the volume of the external device properly. If the volume of the device is loud, the sound may be distorted when you playback the recorded sound.
3. Press the playback button of the external device and then press the RECORD button of your Voice recorder.

< From external device to the recorde >
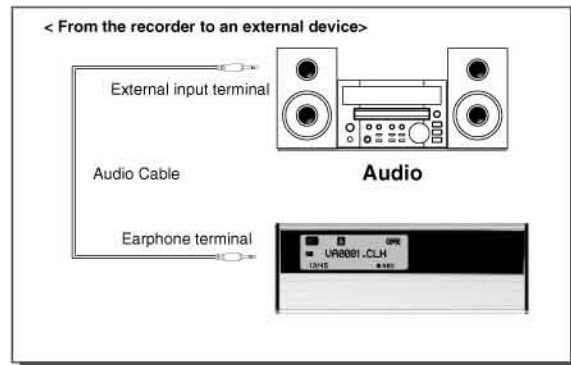
Earphone Terminal

Audio

Audio Cable

LINE IN

⊘ Connecting to External Device

● **When recording the sound recorded in your recorder on to an external device**

You can transmit the sound recorded in your recorder onto an external device.

Connect the earphone terminal of your Voice recorder and the input terminal (microphone terminal) of an external device with an audio cable. Then, press the PLAY/STOP button of your Voice recorder and press the RECORD button of the external device.

< From the recorder to an external device>

External input terminal

Audio Cable   **Audio**

Earphone terminal

UA0001.CLH

☞ Note ☜
▶ Please test before recording.
▶ Please control the recording volume with the volume control of the external device.

Digital Power Player

⊘ Trouble Shooting

※ When you encounter any problem, check the following items.

Symptom	Cause	Action
Nothing is displayed on the LCD screen.	Check whether the battery runs out.	Charge the battery.
	Check whether the polarities are correct.	Make sure that the polarities are correct.
Cannot record.	Check whether the HOLD button is set to ON.	Set the HOLD button to OFF.
	Check whether the memory is full.	Delete unnecessary recorded sound (See page 20 to 22).
	Check whether the battery runs out.	Replace the battery with a new one.
Cannot playback.	Check whether the HOLD button is set to ON.	Set the HOLD button to OFF.
	Check whether your recorder has the sound recorded.	Verify the number of the sound recorded.
	Check whether the battery runs out.	Replace the battery with a new one.
Cannot hear sound from the speaker.	Check the volume is set to 0.	Control the volume.
	Check the speaker is connected.	Disconnect the speaker.
Cannot hear sound through the earphone.	Check the volume is set to 0.	Control the volume.
	Check whether the earphone is connected firmly and correctly.	Connect the earphone firmly and correctly.
"ERROR" is displayed on the LCD screen and all buttons does not operate.	Check whether the USB cable is removed during formatting with connected to a PC.	Format your recorder (See page 22).

Digital Power Player

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 interference, 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 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.**

NOTE:THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Specifications

Item		Specification		
Model		MMR-L800	MMR-L860	MMR-L880
Maximum Recording Time (HQ)		68 min	137 min	273 min
Maximum Recording Time (SP)		137 min	273 min	546 min
Maximum Recording Time (LP)		273 min	546 min	1092 min
Memory		128 MB		
Numbers of folder	Voice (A,B)	2 Folders X 100 Files		
	Data (D)	1 Folder		
	Music(MP3/FM-R)	2 Folders		
Frequency		Voice mode : 100 Hz ~ 4600 Hz		
		MP3 mode : 20 Hz ~ 20000 Hz		
Actual Maximum Output		100 mW		
External Input	Earphone	3.5 Stereo Jack		
	LINE-IN	3.5 Stereo Jack		
	USB Cable	PC Interface USB 1.1		
Speaker		Dynamic 20mm, 8 Ohm		
Dimensions		38 x 107 x 12.8 mm (W x H x D)		
Weight		About 43 g (Except battery)		
Storage Media		Imbeded Flash Memory		
Power		Ni-MH Rechargeable Battery		
Battery Lifetime		Voice Recording : 6 hours Voice Playback : 12 hours		
		MP3 Playback : 12 hours FM Radio : 11 hours		
Operating Temperature		0 ℃ ~ 40℃		
Accessories (Default)		User's manual, Earphone, Ni-MH Rechargeable battery, Battery charger, USB cable, Remote controller, Installation CD, Audio cable		

※ The specifications and appearance of the product may change without notice in order to improve the quality.