# HYUNDAI
## 韩国现代

# HYV-E10+使用说明书

## 二、功能概述

1、储存容量具有大空间内存可存：1GB/2GB/4GB。
2、可录99条语音信息。
3、具有MP3、WMA、ADPCN格式播放
4、录音指示。
5、MUSIC歌曲播放功能。
6、有声控VOR功能选择，SP、LP两种录音格式选择：

| 内存 录音格式 | 1GB | 2GB | 4GB | 备注 |
|---|---|---|---|---|
| 00/SP | 1020分钟 | 2040分钟 | 4080分钟 | 不带VOR功能 |
| 00/LP | 4080分钟 | 8160分钟 | 16320分钟 | 不带VOR功能 |
| 01/SP | 1020分钟 | 2040分钟 | 4080分钟 | 带VOR功能 |
| 01/LP | 4080分钟 | 8160分钟 | 16320分钟 | 带VOR功能 |

7、循环模式：
　　Nor（不循环）One（单循环）All（全部循环）。
8、7种播放均衡模式：
　　NATURL（普通）ROCK（摇滚）POP（流行）
　　CLASSOL（古典）SOFT（柔和）JAZZ（爵士）DBB
　　（重低音）。
9、复读模式（A→B）：重复播放歌曲的某一段。
10、删除功能：删除现存的MP3歌曲文件和语音文件，可删除单个文件，也可删除全部文件。
11、录音及录音播放。
12、32(0-31)级音量调节。
13、USB方式连接，方便上传和下载语音文件（包括音乐和MP3歌曲）。
14、内置扬声器。
15、电池低电指示。
16、HOLD键盘锁：在任何工作模式下，打开HOLD开关都将锁定全部按键。

## 三、电池装置

1）打开电池盖。
2）将电池装进播放机中，将电池盖沿图示，箭头方向向右滑动，按照正负极方向放入7号电池二颗，沿图示箭头反方向向左推动，合上电池盖。

3）装好电源之后开机查看电池剩余电量。当系统进入低电状态时，会自动提示"Lo"2秒。正在播放MP3/播放录音状态，系统低电，音量自动降低一半。以后每10秒显示"Lo"一次，提示用户更换电池，直到自动关机.正在/暂停录音状态时低电，系统将保存当前录音文件，返回停止录音状态。停止录音状态，系统低电，将无法进行录音，系统提示"Lo"。

如图



电量充足　　耗电大部分　　无电
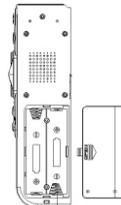
4）当电池电量剩余二格时，因电量消耗较多，内置功放消耗电流比较大，电量供应不够，会引起播放停止退出，播放时请把音量调小或使用耳塞播放。电池使用时间依电池类型与放音音量有差异。

注意：● 如果更换了新电池后，液晶显示（LCD）仍然没有显示，请及时查看电池的正负极。如果电池正负极安装正确，但液晶显示仍然没有显示，请及时取出电池并尽快与指定的售后服务部联系。
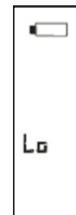
警告：
1）本机在工作过程中请不要取出电池；和PC通讯，显示"busy"字样时，请不要拔出USB连接线，否则，将会造成本机程序混乱，不能开机、甚至丢失程序等严重后果！！！
2）长时间不使用本机时，请将电池取出，以免电池漏液，腐蚀电路板。
3）电池使用注意事项：
●长时间不使用时，请将电池从主机中取出。
●使用充电电池时，请先阅读电池和充电器的使用说明书后方可安装使用。

**四、操作说明**

**1. 开/关机：**

●上电时先把HOLD键打开，上电后系统自动开机。关机状态下需长按"PLAY"键2秒开机，首先显示机器内存容量2秒后显示待机模式（即录音模式）如图画面。在待机模式二分钟内无按键动作会自动省电关机,平时长按"STOP"键2秒以上自动关机.图中上行00表示当前播放曲目为第0首，下行F00表示总曲目数，当有录音文件或下载有MP3曲目时，下行会交替显示总曲目和当前曲目时间。

**2、录音**

1）选择录音方式：

●开机即进入录音模式（DVR），MP3状态时按"MODE"键选择录音模式，在停止录音状态，录音模式时短按VOL+键或VOL−键，选择VOR功能和录音方式："LP"为长时录音，"SP"为短时录音，"00"为无VOR功能，"01"为有VOR功能，再按"mode"键确认。系统显示如下：

录音前　　初始化　　正在录音
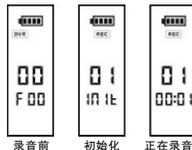
**3、录音播放：**（录音播放包括：播放、暂停、停止、选播、音量、循环、A−B?复读）

（1）、在停止录音状态，短按"PLAY"键，开始播放录音。

（2）、正在放音状态，短按PLAY键，暂停放音。

（3）、停止/暂停放音状态，短按PLAY键，开始/继续放音。正在/暂停放音状态，短按STOP键，停止放音，如不松手按住可直接关机。

（4）、正在/停止放音状态，短按UP键，选播/选择下一个录音文件，如果已是最后一个录音文件，则选播/选择第一个录音文件.正在/停止放音状态，短按DOWN键，选播/选择上一个录音文件，如果已是第一个录音文件，则选播/选择最后一个录音文件。录音文件按顺次播放完毕后自动停在最后一条录音文件。

（5）、调节音量：

当录音笔处于播放状态时，按"VOL+"或"VOL−"键，数字音量显示会变化，增加或减少。

按住"VOL+"或"VOL−"键，快增、快减音量，有32级音量可调。显示如图

●注录音无EQ音效模式！

（6）、循环模式：

播放过程中，短按"MODE"键，进入循环模式选则，显示rEP后，按"UP"或"DOWN"键选择：所有录音文件循环ALL( )，或单个录音文件循环1( )不循环，系统显示屏上无图标提示，退出此设置按"MODE"键进入下一设置。如果在8秒内无按动任何按键，则系统会确定保存当前设置，返回正在播放录音文件状态。

（7）、（A−B）录音文件复读设定：

正在播放录音文件时，循环方式选择项下，短按"MODE"键，进入A−B复读方式，此时"A−B"图标点亮，且"A−"开始闪动，短按"UP"键，选定复读起点，此时屏幕上"A−"停止闪动，"B"开始闪烁，再次短按"UP"键，选定复读终点，"B"停止闪动，开始复读。第三次短按"UP"键时，取消本次复读，恢复正常播放。此时"A−"再次闪动，等待确定新的复读起点。如果在5秒内无按动任何按键，则系统会确定保存当前设置，返回正在播放录音文件状态。正在播放录音文件状态，A−B复读方式下，短按"MODE"键，返回正在播放录音状态。

（8）、删除录音文件：

在停止状态下短按"UP"或"DOWN"键选则删除目录，长按"MODE"键，进入删除状态，显示如图：可按PLAY键删除所选的文件，删除完成。如果要全部删除则再次按住MODE键，系统会提示信息(ALL?)按PLAY键删除全部。取消删除操作,短按"MODE"键。删除完成后返回录音模式，如果已经删除全部的录音文件，系统将显示00−F00。

**4、播放MP3：**

（1）、进入待机模式后短按"MODE"键选择MP3模

式。（显示如图），01表示当前选择播放第一首曲目，F05表示总曲目数有5首。

2）、播放MP3包括正在播放、暂停播放、调节音量、删除文件、快进、快退、以及播放中设定循环方式、复读、音效等多种显示状态，依次如下：

●正在播放：按"PLAY"键开始播放。显示播放时间进度。（显示如图）

●暂停播放：在播放时，短按"PLAY"键，暂停播放，此时"MP3"图标闪动。再次短按"PLAY"键继续播放，"MP3"图标停止闪动。●停止播放：在播放时，短按"STOP"键，停止播放。此时按"MODE"键，可进行模式转换。

●快进、快退：放过程中，长按"UP"键或"DOWN"键。播放时间进度会快速递增或减小。

●EQ（音效）模式：在播放MP3状态，循环方式选择项下，短按"MODE"键，进入EQ方式选择项，通过"UP"或"DOWN"键选择：选择EQ方式。00代表NATURAL（普通）、01代表ROCK（摇滚）、02代表POP（流行）、03代表CLASSIC（古典）、04代表SOFT（柔和）、05代表JAZZ（爵士）、06代表DBB（重低音）。如果在5秒内无按动任何按键，则系统会确定保存当前设置，返回正在播放MP3状态。

●（A-B）复读设定：在播放MP3时，在EQ模式选择项下，短按，选择了复读起点，此时屏幕上"B"开始闪烁，再短按"UP"键，选定复读终点，"B"停止闪动，开始复读。再次短按"MODE"键，返回正在播放MP3状态。

●音量调节：录音工作模式操作相同。

●循环方式：录音工作模式操作相同。

●删除录音文件：录音工作模式操作相同。

5、HOLD键盘锁：

拨动HOLD开关有效，系统提示"HoLd"，2秒后恢复原有显示，此时所有按键均不被响应，直到HOLD开关无效为止。在关机状态下，HOLD有效，长按PLAY键试图开机时，系统提示"HOLD"。

6、可移动磁盘（上传/下传）：

1）除正在升级外，任何情况下将可移动磁盘插

入PC的USB口，系统均将立即中断当前操作，与PC联机，操作系统中出现磁盘盘符后，即可进行磁盘操作。

2）上传/下传：当检测到可移动硬盘后，您要把MP3/WMA文件或其它文件上传/下传时。（采用复制方式）

3）USB空闲状态，短按MODE键切换到MP3工作模式。当磁盘与PC之间进行数据传输时，系统会提示"busy"，此时不能断开连接，否则会造成数据丢失。

## 五、格式化内存：

格式化处理，此时您应该将录音笔插入电脑USB接口，进入"USB"连接模式，对录音笔内存进行格式化处理。（注：WINDOW2000以上版本，选择"FAT"低级格式化。）在电脑的任何系统下格式化，都如您格式化电脑硬盘、软盘的方法相同（即选定"可移动磁盘"时行格式化）。

注意：当录音笔显示电池低电时，应及时更换电池，以免电池液体流入机内，损坏机芯。

## 六、接线盒的使用：

1：按下图的方式将室内电话线与本机配送的电话线以及LINE-IN线同接线盒接好后连到本机：

室内电话线

本机配送的电话线到电话机

螺钉

LINE-IN线到本机
的外接咪线插孔

2：进入本机的录音模式后按录音键即可录取电话的通话。

## 七、产品规格参数

| 项　目 | 描　述 | | |
|---|---|---|---|
| 外形尺寸 | 108*30*15mm | | |
| 显 示 屏 | LCD 显示屏 | | |
| 连接电脑 | USB2.0 | | |
| 内存 | 内置 1G-8G 等可选 | | |
| 电源 | 使用二节 AAA 电池 | | |
| MP3 | 优质 MP3 功能 | | |
| 录音 | 采样率 | 8KHz | |
| | 录音格式 | SP MP3（128K bps）　LP MP3（32K bps） | |
| | 录音时间 | SP：17H　LP：68H　（1GB Flash） | |
| MP3、WMA、ASF | 耳机最大输出 | (L)5mW+(R)5mW(32Ohm) | |
| | MP3 比特率 | 8K bps -320K bps | |
| | WMA 比特率 | 5K bps-384 K bps | |
| | 频率响应 | 20Hz 至 20KHz | |
| | 信噪比 | >=90dB | |
| 使用温度 | -5 至 40 摄氏度 | | |
| 所支持操作系统 | Windows98/se/me/2K/XP、MacOS 10、linux 2.4.2 | | |
| 固件升级功能 | 支持 | | |
| 复读功能 | 支持 | | |
| 扬声器 | 内置高质量扬声器 | | |
| 数字音量 | 数字化 31 级音量调节 | | |
| 声控录音 | VOR 和 AGC 功能 | | |
| 电话录音 | 通过适配器实现电话录音功能 | | |
| 保护 | 电池低电压检测自动保护功能 | | |
| 移动 U 盘 | 支持 | | |
| 重量 | 30g 左右 | | |
| 附件 | 1、 使用说明书<br>2、 耳机<br>3、 数据线<br>4、 音频线<br>5、 电话连接器<br>6、 电话线<br>7、 麦克 | | |

**产品规格如有更改，恕不另行通知，以实物为准。**

HYUNDAI
韩国现代

HYV-E10+User manual

# PREFACE

Thanks for your using digital voice recorder!

For you to operate it proficiently as soon as possible, we have equipped complete manual for users, from which you can know the introductions to the relative products, using methods, system setting and safety precautions. Before using your digital voice recorder, you must read all relative materials carefully so that you can use it better.

We had carefully edited this manual and thought the information in it was true and reliable. However, errors or missing could not be avoided completely, we excuse ourselves to you and your opinions will be warmly welcome.

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# CONTENTS

## I.Structure Description

1  REC Record button
2  STOP (Stop/power off)
3  UP Next song (skip forward)
4  DOWN Previous song (skip backward)
5  HOLD (key lock)
6  VOL+ (volume increase)
7  VOL– (volume decrease)
8  MODE Mode switching button
9  PLAY/PAUSE (power on/play/pause)

10  Record Indicator
11 LCD (display)
12 Built–in trumpet
13 USB interface
14 Battery back cover
15 Hook
16 Headset jack
17 External microphone
18 MIC Built–in microphone
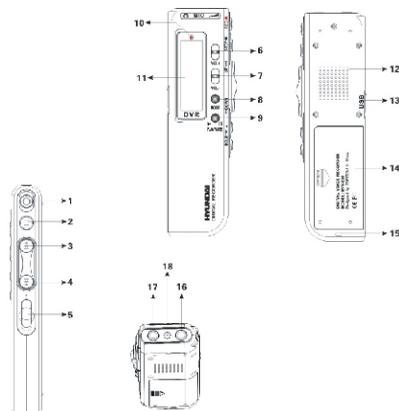
## 2.Function Description

1.Large memory space for storage available in 32M–1GB.

2.Record up to 99 voice messages.

3.MP3, WMA and ADPCN format support.

4.Record indication.

5.MUSIC playing function.

6.Choose voice activate function or not , SP and LP record format available , record time as follows respectively:

| Recording tot... / Memo ... | 1GB | 2GB | 4GB | Remark |
|---|---|---|---|---|
| 00/SP | 1020min | 2040min | 4080min | Without VOR function |
| 00/LP | 4080min | 8160min | 16320min | Without VOR function |
| 01/SP | 1020min | 2040min | 4080min | With VOR function |
| 01/LP | 4080min | 8160min | 16320min | With VOR function |

8.Loop mode

Nor (no loop) One (loop one) All (loop all).

9.7 playing balance modes:

NATURL (normal) ROCK (rock and roll) POP (pop) CLASSOL (classic) SOFT (soft) JAZZ (jazz) DBB (dynamic bass boost).

10.Repeating mode (A→B): Repeatedly play certain segment of a song.

11.Delete music: delete existing MP3 music files and voice files, individually or all.

12.Record and record playing,

13.Volume adjustment in 32 levels.

14.USB connectable for uploading and downloading voice files (including music and MP3 song)

15.Built–in speaker.

16.Low battery indication.

17.HOLD key lock: Under any mode, enabling the HOLD switch will lock all keys.

## 3.Install Batteries

1.Open the battery box cover.

2.Slide the battery cover to the right as indicated by the arrow and place the 2 batteries (AAA) into the Player according to proper polarity, and then re–fit the cover by pushing it in opposite direction to the left as indicated by the arrow.
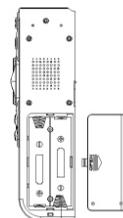
3.Power on after the batteries are in place to examine the remaining power in the batteries. The system will automatically indicate "Lo" for 2s in case of low voltage. Under MP3 playing/playing mode, the volume will automatically decrease by half in case of low voltage, after which the "Lo" will emerge every 10 seconds, indicating the user to replace batteries until auto power off; under recording/pause recording mode, the system will save current recording files and return to stop record mode, under which a "Lo" will indicate that the recording can not be performed in case of low voltage.

**As shown in the figure**

| Sufficient | Heavy consumption | Out of power |
|---|---|---|
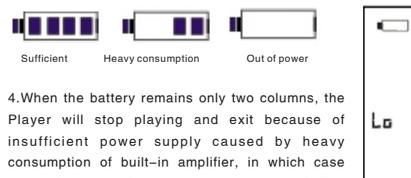
4.When the battery remains only two columns, the Player will stop playing and exit because of insufficient power supply caused by heavy consumption of built–in amplifier, in which case please turn down the volume or use headset. The operating time of battery varies from battery type and playing volume.

## Notes:

- If the LCD displays nothing after replacing with new batteries, please check the polarity in time. If the LCD displays nothing still though the polarity is correct, please take out the batteries and contact specified after–services as soon as possible.
- If the player will be leaved unused for a long time, please take the batteries out from it.
- Before using rechargeable battery, please read the user manual for the battery and charger first.

## Warning:

1.Never take out the batteries when the Player is in operation; and never pull out the USB connecting line when communicating with PC while "busy" displayed, or, serious damages such as program chaos, fail to power on, even program loss may be resulted in!!!

2.If the player will be leaved unused for a long time, please take out the batteries to prevent PCB corrosion due to battery leakage.

3.Considerations on battery use:

- If the player will be leaved unused for a long time, please take out the batteries.
- Before using rechargeable battery, please read the user manual for the battery and charger first.

## 4.Operation Description

**4.1.Power on/off**

Open the HOLD key before powering on. The system will automatically boot up after been powered on. Under power off status, you need to press the PLAY key for 2s to boot up. The memory space will be displayed for 2s, and then enter into idle mode (i.e. record mode), as shown in the figure. If there is no key operation within 2m under idle mode, the system will automatically power off. Under normal status, press the STOP key more than 2s to automatically shut down. The upper row 00 in the figure indicates that current playing song is the 0 one, and the lower row F00 indicates the total number of songs. The lower row will alternatively show total number of songs and current song time when there is a record file or downloaded MP3 music.

**4.2.Record**

4.2.1 Select record mode

The system will enter record mode (DVR) after booting up. Shortly press the MODE key under MP3 mode to select record mode. Under stop record status and record mode, shortly press VOL+ or VOL– key to select voice activate function and recording modes: LP is long–time record , SP is short–time record, 00 is not voice activate function , 01 is voice activate function . The system displays the following, then press "mode" key to enter.
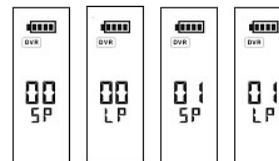
4.2.2. Recording/pausing/stop record

● Shortly press the REC key under record mode to start record, as shown in the figure.（Before recording ,the "InIt" will be showing on display for few time.）

● Shortly press the REC key under recording status to pause record.

● Shortly press the STOP key under recording/pause record status to stop record.

Before recording    initialization    recording
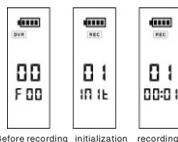
## 4.3.Record playing

(Record playing includes: playing, pause, stop, skip forward, skip backward, select, volume, loop and A–B repeating)

4.3.1 Play record

Shortly press the PLAY key under stop record status to play record.

4.3.2 Pause playing record

Shortly press the PLAY key under playing status to pause playing record.

4.3.3 Stop playing record

Shortly press the PLAY key under stop/pause playing record status to begin/resume playing; shortly press the STOP key under playing record/pause playing status to stop playing, and hold the key to directly power off.

4.3.4 Skip forward record files

Long press the UP key under playing status to skip forward.

4.3.5 Skip backward record files

Long press the DOWN key under playing status to skip backward.

4.3.6 Select record files

Shortly press UP key under playing/stop playing status to play/select next record file. If it is already the last record file, the system will play/select the first record file; Shortly press the DOWN key under playing/stop playing status to play/select previous record file. If it is already the first record file, the system will

play/select the last record file. It will automatically stop at the last record file when all files are played.

4.3.7 Volume adjustment

Press the VOL+ or VOL–key under playing status, the digital volume will change in increase or decrease. Hold these two keys to rapidly increase/decrease volume. The volume is adjustable in a scope of 32 levels, as shown in the figure.

●Note: EQ mode is not applicable to record mode!

4.3.8 Loop mode

Shortly press the MODE key during playing to enter loop mode option. After rEP displayed, press the UP or DOWN key to select: ALL () to loop all record files, 1 () to record one record files, or, no icon indication will be displayed if you select no loop. To exit this setting, press the MODE key to enter next setting. If there is no key operation within 8s, the system will save current setting and exit to playing record file status.

4.3.9 (A–B) Record file repeating settings

During playing record file, shortly press the MODE key under loop mode option to enter A–B repeating mode, under which the A–B icon is highlighted and A– will flicker. Shortly press the UP key to select starting point, now the A– will stop flickering and B begins to flicker, shortly press the UP key again to select the end point, after which the B will stop flickering and start repeating. Shortly press the UP key for the third time to cancel repeating and resume normal playing. The A– will flicker again, waiting for selecting new starting point. If there is no key operation within 8s, the system will save current setting and exit to playing record status.

4.3.10 Delete record files

Long press the MODE key under stop status to enter delete mode, as shown in the figure: shortly press UP or DOWN key to delete the directory, PLAY key to delete the file, and the system will indicate (Er asE) that deletion completed. To delete all, hold the MODE key again and the system will indicate (All?); press the PLAY key to delete all and the system will indicate (Er asE). Shortly press the MODE key to cancel deletion operation. The system will return to record mode after deletion. If all record files are deleted, the system will indicate 00–F00.
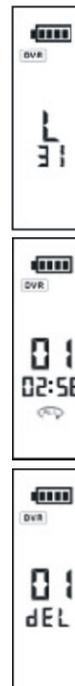
### 4.4.Play MP3

1)Shortly press the MODE key under idle mode to select MP3 mode (as shown in the figure). 01 indicates to select the first song and F05 indicates there are 5 songs in total.

2)Playing MP3 includes multiple operations such as playing, pause playing, adjust volume, delete files, skip forward, skip backward and set up loop mode, repeating mode and sound effect during playing, etc, respectively as follows:
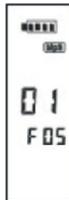
#### 4.4.1 Playing MP3

Press the PLAY key to play with time progress displayed, as shown in the figure.

#### 4.4.2   Pause playing

Shortly press the PLAY key during playing to pause when the MP3 icon begin to flicker. Shortly press the PLAY key again to resume playing and the MP3 icon will stop flickering.

#### 4.4.3   Stop playing

Shortly press the STOP key during playing to stop playing, under which you can press the MODE key to switch between various modes.

#### 4.4.4   Skip forward/backward

Long press the UP or DOWN key during playing to skip forward/backward.

#### 4.4.5   EQ mode

During playing MP3, shortly press the MODE key under the loop mode options to enter EQ mode options. Press the UP or DOWN key to select EQ mode: 00 is NATURAL (normal), 01 is

ROCK (rock and roll), 02 is POP (pop), 03 is CLASSIC (classical), 04 is SOFT (soft), 05 is JAZZ (jazz) and 06 is DBB (dynamic bass boost). If there is no key operation within 8s, the system will automatically save current setting and return to playing MP3 status.

#### 4.4.6   (A–B) Repeating setting

During playing MP3, shortly press the MODE key under EQ mode option, the same as the operation of repeating record files.

#### 4.4.7   Volume adjustment

The same as the operation of record mode.

#### 4.4.8   Loop mode

The same as the operation of record mode.

#### 4.4.9   Delete record files

The same as the operation of record mode.

### 4.5.HOLD key lock

When enabling the HOLD key, the system will indicate "Hold" and restore to original display. No key operation will be response now until disabling the HOLD key. When the HOLD key is enabled under shut down status, the system will indicate HOLD when trying to boot up by long pressing the PLAY key.
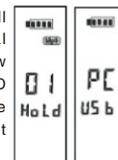
### 4.6.Removable disk (upload/download)

1.Under any circumstance except system upgrading, when insert a removable disk into the USB interface of PC, the system will immediately interrupt current operation, trying to connect with the PC. Disk operation is ready when the disk icon emerges in the PC operation system.

1.Upload/download: When removable disk is detected, you may upload/download (in the manner of copy) MP3/WMA files or other files.

2.When the USB is in idle status, shortly press the MODE key to switch to MP3 operation mode. The system will indicate **"busy"** during data transmitting between the disk and PC. Never disconnect at this time, or a data loss may be caused.
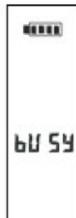
### 5.Tools install and Update the program and convert the recording file

1、There are four functions of the Tools into the CD–ROM, following:

　1）Using of WIN98 drive.

　2）Deal with the U–disk encrypting and formatting.

　3）Update the program of the voice recorder

　4）Convert the recording file and play it into the computer。

2、Tools install process：

CD disk insert to CD –ROM，Click the "setup.exe" file，and click "next。。finish"，the tools have installed successful。

3、Update the program：

Explain：When the voice recorder isn't running, this may be caused by program losses due to incorrect operation, in which case you may carry out troubleshooting according to the following steps:

Steps：ET–880 connect PC from USB，PC shows U disk after 2 sec.，Click and turn on " Start–––––All Programs–––––　Mp3 Player Utilities 1.47––––––Mp3 Player Update Tool" with the mouse ––––display a picture following––––– choose update file（into CD–ROM's update document）––––––click "start" –––––––display dialog box––––––click "accept" –––––––before 2 sec. Pull out the record pen on the computer and reconnect it –––––––in the end of the voice recorder format.

4、Record file converted and played

1）Copy the recording file into your computer

2）ET–880 connect PC from USB，PC shows U disk after 2 sec.，Click and turn on "Start–––––All Programs––––– Mp3 Player Utilities 1.47––––––Sound Convert Tool" ––––– display a picture following –––––––open to need file that you put it copy the record file of ACT format into your computer ––––––– click "convert" –––––––save a WAV format file to your computer––––––– click " ▶ " go to be playing.

Remark：Converted WAV file that the player of offering of the operating system or support WAV too.

### 6.Format memory

To format the memory, you should insert the DITITAL VOICE RECORDER into the computer's USB interface and enter USB connecting mode to format the DITITAL VOICE RECORDER memory.

Under any operation system, the method of format is the same as that for computer hard disks and floppy disk (namely select the "movable disk" to format).

Note: When the DITITAL VOICE RECORDER indicates low voltage symbol, you should replace the battery immediately to prevent the electrolyte from flowing into the system and damaging the core device.

### 7.Usage of junction box

1.Please connect the recorder with indoor telphone line, telphone cable in package and LINE–IN cable by the junction box as blew picture.



Indoor Tel. Line

Tel. Cable in package, connect juction box with telphone

Bolt

LINE–IN Cable, Connect this junction box with recorder
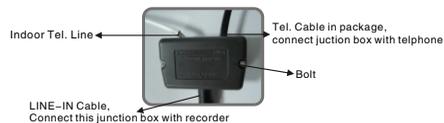
2.Under recorder model, press the MODE key, then can record the conversation on the phone.

**8.I.Product Specification**

| Item | Description | |
|---|---|---|
| Dimension | 108*30*15mm | |
| Display | LCDscreen | |
| Connect to Computer | USB2.0 | |
| Internal memory | Built –in 1G–8G optional | |
| Battery | AAAX 2 | |
| MP3 | Yes | |
| ing<br>Record | HZ | 8KHz |
| | Recording Format | SP MP3（128K bps）　LP MP3（32K bps） |
| | Recording Time | SP：17H　LP：68H　（1GB Flash） |
| WMA<br>MP3 | Earphone Max.<br>Output | (L)5mW+(R)5mW(32 Ohm) |
| | MP3 Bit Rate | 8K bps ∽ 320 K bps |
| | WMA Bit Rate | 5K bps ∽ 3 84 K bps |
| | Frequency<br>Responce | 20Hz – 20KHz |
| | SNR | >=90dB |
| Usage Temperature | –5℃ ∽ 40℃ | |
| Operating OS | Windows98/se/me/2K/XP,MacOS 10, linux 2.4.2 | |
| Firmware Upgrade | Suport | |
| Repeat | Suport | |
| Speaker | Built – in high quality speaker | |
| Digital Volume | Digital 31 level volume control | |
| VOR | VOR and AGC function | |
| Telphone recording | By junction box | |
| Sateguard | Voltage test, auto protection | |
| disk | Suport | |
| Weight | 29.7 g | |
| Accessory | 1. USB cable<br>2. Hi –fi headphone<br>3. Mic<br>4. User manual<br>5. junction box for telphone recording<br>6. Audio cable<br>7. Telephone cable | |

Note：For improvement of product, specifications & design can be changed without previous notice.

**9.Warming:**

1. Do not attempt to open, repair, or modify the device yourself.

2. Do not use your device where the use of electronic devices is prohibited（such as in aircraft, etc.）.

3. Do not put your device or its accessories（e. g. earphone）in your mouth.

4. Do not immerse your device in water or spill liquids on it.

5. Do not expose your device or its accessories to shocks, asthismay cause malfunctions.

6. Do not apply excessive force to the LCD display, as this may damage the display or cause malfunctions.

7. Do not expose your device to direct sunlight or any sourceofheatfor a long period.

8. Do not pull attached earphones, microphones, or USB cables with excessive force.

**10.Statement：**

We will not be hold responsible for unavailability of printed materials, software and for any malfunction or direct, indirect loss (include but not limited to the loss of business profit, the interrupt of business activity and the loss of business information) arising out of unusual use the device.