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# Function Overview

- One-touch recording. High quality recording.
- Three recording modes.
- VAR/VOX System (Voice Activated recording.)
- Recording via high grade built-in microphone. Playing via high quality speaker.
- Recording telephone conversation.
- Recording via external microphone.
- LCD screen with color backlight.
- Work as drive free USB flash disk.
- FM Radio (Selectable).
- Built-in rechargeable lithium battery.
- Low-battery indication function.
- Work as MP3 Player.
- Sectional automatic break & repeat from A to B. Volume adjusting.
- Time stamp.
Important Notice

- Please switch off the recorder if do not use the recorder for long time. It is to avoid power consumption.
- Please charge the batteries properly when the low-battery indication showing on the screen.
- Please read the instruction manual carefully before operating. Please keep it from moisture and high temperature, and don't put it near the fire.
- Please avoid collision when using the recorder. Do not push the screen. Otherwise it may cause damage of the LCD screen and it may cause improper work of the screen display.
- If there's problem with the recorder, please contact with our company or your local distributor. Please don't remove the battery or replace the internal parts.

Please backup the files before sending the recorder for repair. We are not responsible for the lost of files which caused by repair.
- We are not responsible for the users' recording without others' approval.
- We reserve the right to modify the design and specifications. We have no responsibility to give separate notice for the modification.
- Appearance and buttons -

1. M (Menu)
2. Play/stop playing
3. Volume +
4. Volume -
5. REC/Stop recording
6. delete
7. Forward
8. Backward
9. Power on/off
10. Signal in jack.
11. Earphone jack
12. Screen
13. Speaker
14. USB jack

- Technical specification -

<table>
<thead>
<tr>
<th>Dimension:</th>
<th>95mm * 26mm * 12mm</th>
<th>Weight:</th>
<th>33g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply:</td>
<td>Lithium 3.7v 210mAh</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash memory:</td>
<td>FLASH 128MB-1GB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Record bit ratio:</td>
<td>LP 8 Kbps / SP 32 Kbps / HP 64 Kbps</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Recording time</th>
</tr>
</thead>
<tbody>
<tr>
<td>128MB: LP 35 hours / SP 8 hours / HP 4 hours</td>
</tr>
<tr>
<td>256MB: LP 70 hours / SP 17 hours / HP 8 hours</td>
</tr>
<tr>
<td>512MB: LP 140 hours / SP 35 hours / HP 17 hours</td>
</tr>
<tr>
<td>1 GB: LP 280 hours / SP 70 hours / HP 33 hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FM Radio (selectable):</th>
<th>87.5MHz - 108MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency response</td>
<td>20Hz - 20KHz</td>
</tr>
<tr>
<td>Signal noise ratio</td>
<td>80dB</td>
</tr>
<tr>
<td>Maximum output</td>
<td>≥5mW</td>
</tr>
<tr>
<td>Diameter of speaker</td>
<td>23mm</td>
</tr>
<tr>
<td>Support system: Windows98/SE/Me/2K/XP/MacOS 10/Linux2.4.2</td>
<td></td>
</tr>
<tr>
<td>Recording audio format: ACT WAV</td>
<td></td>
</tr>
<tr>
<td>Music audio format: MP3 WMA WAV ASF</td>
<td></td>
</tr>
</tbody>
</table>
Operation:

- **Turn on**: Push the power "Power Switch ①" to "ON" side. The recorder will turn on in 3 seconds. If the recorder is off under sleep mode and the power switch ① is at "ON" side. Long time press "Play/stop playing" button ②, the screen lightens up, the recorder is turned on.

If there's no recording file in the recorder, the recorder will automatically enter in the main menu which the recorder was turned off previous time. (Recording modes: LP/SP/HP. Play recording file: Music: ③, FM Radio: ④.) Screen show one of the below interface:

- LP rec mode
- SP rec mode
- HP rec mode

Recording files  Music  FM Radio  Time-setting mode
If there are recording files in the recorder, the recorder will automatically enter in Recording file playback standby condition. Screen shows:

- **Turn off**:
  
  **Step 1**: Long-time press "Play/stop playing" key ② in the standby condition, screen shows "OFF", the recorder is turned off.

  **Step 2**: Push the power "power ON/OFF" key ③ to "OFF" side.
**Attention** After turn off the recorder, please make sure the power “power ON/OFF” button ⊙ is pushed to “OFF” side to avoid power consumption.

- **Low battery indicates function:** Recorder will show 🌡 if the battery is low. If you are fail to notice the indication of low battery during recording. The recorder will automatically save the present recording file and automatically turn off within 30 seconds. Please recharge the in time and back up the recording files.

**Attention:** Please don’t push the “Power ON/OFF” key ⊙ to OFF side (Don’t shut off the power) during recording. It may cause the losses of message & the recorder being frozen. The frozen condition caused by misuse should be formatted on the computer. The recorder can only be used normally after formatting. Please select FAT system to format the recorder.

**Record**
- **Setting recording mode:** Press “Menu” button ⊘ to enter in main menu. Press “Forward/backward” buttons ⊘ ⊙ to select the recording modes. Press “M” button ⊘ to confirm the selection.

Following are the screens of recording modes: (the sign of recording mode twinkle on the screen when we come to different modes)

- ![LP recording mode](image)
- ![SP recording mode](image)
- ![HP recording mode](image)
**One key recording:** Press "REC" key (5) in any standby condition, screen shows 'REC', and the 'REC' twinkle. The recorder enters in SP recording mode. It begins VAR (Voice Activated Recording), will twinkle when there's no sound input. The recording time stop stamping. Record pauses. It will automatically start recording when there's sound input. Screen shows:

LP: Long time recording (ACT format)
SP: Standard recording (WAV format)
HP: High quality recording (WAV format)

Only SP recording mode has Voice Activated function.

⚠️ Attention: When screen shows "FULL", it indicates the disk is full. Then some files should be deleted to keep enough space for saving new recording files & other information. If the recorder is in low battery condition it should be recharged.

The recorder can only be work properly after recharging. The recorder can save 200 pieces of recording messages.

**Automatic section-break:** When record for full 4 hours, it will automatically save the recording message to next file.

- **Stop recording:** Repress "REC" key ③, record stops. Screen show:

- **Play/stop playing recording files:**

  - **Play recording files immediately after recording:**
    Press "Play" button ② in record ceasing condition to start playing the recording files. The recording files will play one by one. Repress "Play" button ② to stop playing.

  - **Play recording files:**
    Step 1: Press "M" button(①) to enter main menu.
    Step 2: Press "Forward/Backward" button ⑦
(Playback recording file)

Step 3: Press “M” button① to enter in. Press “forward/backward” button ⑦/⑧ to select the recording files you want to play. Please “Play” button ② to play.

- A—B repeat
  Set AB repeating: Press “REC” button ③ when playing to confirm point “A”, repress “REC” button ⑤ to confirm point “B”. The recorder starts to repeat from A to B.
- Stop repeating: The recorder will automatically stop repeating after repeating for 3 times when repeating music. And it will repeat all the time when repeating recording files. Or press “REC” button ③ to stop repeating.
- Adjust volume: Press “volume+/volume-” button ③/④ to adjust the volume.

- Select segment: Press “Forward” button ⑦ in standby condition to select the next segment, press “Backward” button ⑧ for previous order. Long time press “Forward/Backward” button ⑦/⑧ to skip the messages and select one to be played.
- Loop playing
  It is defaulted as loop playing when play recording files (It plays from the first file to the last file, then stop playing. If there’s ACT recording files which recorded at LP mode, it is defaulted the ACT file as the last file.)

- Music
  - Enter into Music mode: Press “M” button ① in standby condition to enter into main menu. Press “forward/Backward” button ⑦/⑧ until the screen show like picture (1) below. Repress “M” button ① to confirm and enter in music mode. Then the recorder enters in Music standby condition (if there are music files in the recorder, the screen shows like picture 2).
**Play/stop playing:** Press "Play/stop playing" button ② to start playing in MUSIC standby condition. Repress "Play/stop playing" to stop playing.

- **A-B repeat:** The same operation with A-B repeat in playing recording files.
- **Select the segment:** The same operation with select segment in playing recording file.
- **Loop playing:** It is defaulted as loop playing when playing music. It plays from the first file to the last, then stop.

**Attention:** As playback of this recorder adopts Dual Audio stereo, we suggest listen with the stereo earphone due to listening with the speaker can't get the best sound.

**Delete**

- In the recording and playing ceasing condition, select the file should be deleted.

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Short time press “C (Cancel)” button ⑤ for deleting the one you select. The screen shows like below: picture 1.

- Long time press “C (Cancel)” button ⑤ for deleting all. The screen shows like below: picture (2).

**Attention:** After entering in the "Delete" condition, no further operations on the recorder with in 3 second, the recorder will automatically exit delete mode.
Automatic scan channel: Long time press "Rec" button (3) for automatic scan channel. Press "Forward & Backward" button (11) to save the channel when the recorder scans the channel. After saving the channel, press "Rec" button (3) to continue scan channel.

Save the channel: Press "Forward & Backward" button (11) to select the saved channel. After saving the channel, press "Rec" button (3) to delete the saved channel.

Delete the saved channel: Press "Rec" button (3) to delete the saved channel.

Remark: Please use earphone, which accompanying with the recorder, when listening to FM radio (earphone used as an aerial).

Setting Time:

Enter into time-setting mode: Long time press "M" button (1) at any standby condition to enter into main menu. Press "Forward & Backward" button (11) to select the time-setting mode. The screen shows (see picture below). When it come to the time setting mode, press "M" button (1) to enter.

Attention: Please backup the important files in the computer before delete or format the recorder.

FM Radio (The FM covers 87.00MHz-108.00MHz)

Remark: This function is only for the recorders which have FM radio. Press "M" button (1) in standby condition to enter in main menu. Press "Forward & Backward" button (11) to enter FM Radio. Then the screen shows like picture (C).

Manual Scan Channel: Press "Forward & Backward" button (11) for manual scanning. If the channel is scanned, the recording will stop to play the channel. Press "M" button (1) to play the radio.

Attention: Please backup the important files in the computer before delete or format the recorder.
Press "Forward/Backward" button 7/8 to select the part which should be adjusted. The selected part will twinkle. Press "VOL+/VOL-" button 9/10 to adjust the part. The press "Forward/Backward" button 7/8 comes to next part.

After finish setting the time and date, press "M" button 11 to confirm the setting. Or, the recorder will automatically confirm the setting within 5 seconds. The recorder comes back the time-setting mode menu. The screen shows:

- Connect the recorder with the computer via USB cable

- Please insert the USB cable with the recorder into the "USB Jack" 11, and connect the USB cable with the computer. It comes to the below interface.

- The recorder has the full function of standard USB flash disk. It can support Windows 98 system (But should install the driver), Windows 2000 or above (no need to install driver), Mac OS X10.3 or above, Linux Red Hat 8.0 or above.

\[\text{Attention:}\]

When using the recorder as USB flash disk, please compress the files before copy & save them into the recorder. Please avoid the files which are not audio files in "WAV" format saving in the recorder. Otherwise the recorder will have a file named "000", and the time will show: 000:00. The file name "000" can not playback. At this
circumstance, the recorder can work normally. But the working speed will be very slow. Please remove the file and save in computer or other USB flash disk. Then the recorder can work properly. We are sorry for the inconvenience caused.

This recorder can be power supplied by USB. Press "M" button ① to exit USB function. The recorder can work properly for recording and playing.

⚠️ Attention: In USB power supply condition, the recorder can not playback with loud speaker. Please use earphone to listening to playback music or recording file.

- Recording telephone conversation

1. Insert the telephone line and phone connecting line in the telephone adaptor.
2. Insert one end of the line-in cable into the telephone adaptor, the other end insert to the signal jack ①.
3. Turn on the recorder and press "REC" button ⑤ to start recording.

♀ Hand free/Automatic recording telephone conversation

Please use "VAR" voice activated recording mode for hand free recording telephone conversation. The recorder can automatically record telephone conversations in voice activated recording mode.

- Recording through external Microphone:

Insert the external Microphone in the "Signal in" Jack ⑪. Turn on the recorder and press "REC" to start recording.

- Install driver to computer

Place the accompanying CD into the CD ROM of PC (or manually operate the "set up. exe" in the CD), enter in installation interface, click "Next" button, click "Next" button after selecting installation path. Click "Next" to start installing.
the program. After successful installation, click "Close" button to fulfill software installation. To start from PC's "Start" → "Program" → "MP3 Player Upgrade, Sound Convert". MP3 Player Upgrade is an upgrade tool and Sound Convert is for converting the Voice Files. MP3 player Disk Tool is for setting the password for the disk.

**Convert ACT recording file into *WAV format**

The ACT format file recorded by the player can be converted into WAV format via the accompanying installation program tool kit.

1. Run "Sound Converter" program, and click "Open" button

2. Select ACT file to be converted

3. Click "Convert" button to start converting into WAV file

**Attention:** Before converting the ACT file, please rename or backup the recording file in WAV
format which has the same code with ACT format need to convert.
For example: We want to convert “REC001 ACT” to WAV format. Before converting it, we have to rename the “REC001”. Otherwise the new file “REC001” created by converting will replace the original “REC001”.

- **Recharge the battery**
  - Please insert one end of USB cable with the accompanying adaptor, and the other end with recorder. Insert the adaptor to the DC socket. Red and green indicator light indicates power recharge is proceeding. Red indicator light power off. Green indicator light on indicates recharge is over.
  - Please use up the power before the first time of battery recharging. And recharge the battery for more than 6 hours, then the battery life will prolonged.
  - **Attention:** Please push the “Power Switch” button on “OFF” side before recharge. Please pay be careful when use AC source.

- **Solutions to the problems**
  - The recorder can not turn on.
    Please check the power switch is at “ON” side or check whether there's not enough battery, please recharge the battery.
  - No sound when playing files.
    Please adjust the volume or check the file to see whether the file is damaged.
  - It can not record sometimes.
    Please format the recorder at FAT system. But please backup the important files before formatting.
  - The recorder is frozen, can not respond.
    Please take out the battery and put them back after 3 second. Then connect the recorder with PC via USB cable. Format the recorder at FAT system. But please backup the important files before formatting.
  - Can not connect with PC
    Please check whether there’s something wrong with the USB cable. Please check whether the driver was installed properly. Please check whether the recorder and the PC were connected in right way.