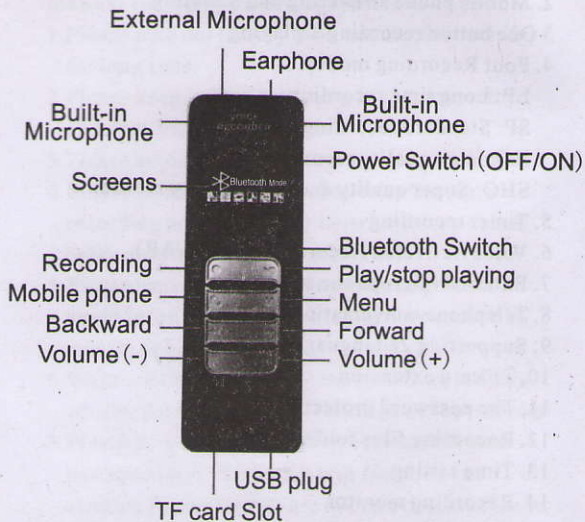


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In order to avoid accidents, please read user's manual carefully before operations.

1. Please take out battery if do not use the recorder for long time.
2. Please keep it from moisture, high temperature and dust, and don't put it near fire.
3. Please avoid collision when using the recorder.
4. Please do not take out the batteries during recording and playing. Otherwise it may cause crash problem and information loss.
5. Please backup files regularly in computer to avoid information loss which may be caused by misuse or breakdown.
6. We are not responsible for the recording failures which caused by misuse or damage of the recorder.
7. Please do not disassemble or replace the inner parts yourself. Please backup files before sending for repair. We are not responsible for the information loss which caused by repair.
8. We are not responsible for the user's recording without other's approval.
9. We reserve the right to modify the design and specifications. If there are any differences due to the different technology and manufacturing batch, please subject to the voice recorder.

1. Mobile Bluetooth recording
2. Mobile phone answering and redialing
3. One button recording & playing
4. Four Recording modes:
 - LP: Long time recording
 - SP: Standard recording
 - HQ: High quality recording
 - SHQ: Super quality and high fidelity recording
5. Timer recording
6. Voice Activated Recording (VOR/VAR)
7. External microphone recording
8. Telephone conversation recording
9. Supporting 28 languages operation
10. TF card extension
11. The password protecting
12. Recording files folder setting
13. Time setting
14. Recording monitor
15. Automatic section-break
16. 8-Class intelligent power control
17. Built-in high power loudspeaker
18. Built-in rechargeable polymer lithium battery



◆ Turn on/off

★ Turn on:

Push the power switch (OFF/ON) to “ON” side. The screen will lighten up, the recorder is turned on. In the power-off condition, Long time press ►■ button, the screen is lighted up and “ON” shows on it, the recorder turns on.

★ Turn off:

Push the power switch (OFF/ON) to “OFF” side. The screen shows “OFF” and the recorder turns off. In any standby condition, long time press ►■ button, the screen shows “OFF” and the recorder turns off. The recorder will automatically turn off if there is no further operation in two minutes.

▲ Power-off condition: Turn off the recorder without turning the power switch off.

★ Insert TF card

Inserting the TF card under turned off condition as follows:



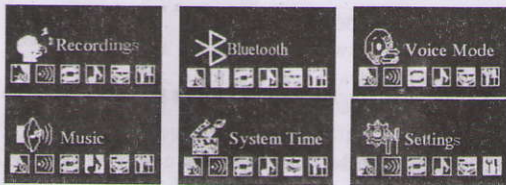
After insert the TF card and turn on the device, if you want to store recording files on TF card, please select the “Storage - External Memory” under the menu of “Recordings” mode Pressing down the TF card

lightly after turn off the device, it will pop out automatically.

Supports 128MB—8GB TF card

◆ Main menu

Long-time press “M” button to enter the main menu at standby condition. The screen of the main menu display as follows:



◆ Recordings Mode

Press <<>> buttons at the main menu interface to select “Recordings” mode. Press “M” button to enter into it. Then press <<>> buttons to choose “Start Recording” and press “M” button again to start. Press ● button to stop and save the recording file. The screen of recordings mode display as below:



① Recordings mode ② Serial number of the file ③

Total files ④ the statement of the recording ⑤ The rest of time for the recording files ⑥ Time of the current recording file ⑦ Battery power ⑧ Recording files' folder ⑩ TF card ⑪ Function of VOR/VOS ⑫ Recording type

★ One button Recording

Press ● button in any pause or stop condition could start recording.

★ Recording pause and saving

Press ● button start recording, press ▶■ button to stop recording and repress it to start again. Press ● button, recording stops and it is saved

★ Automatic section-break

After continue recording 4 hours, the recorder will save the recording file automatically then move on to the next recording.

★ Recording menu

Choose “Recordings” mode, and press “M” button to enter into the Recordings Menu. Then press <<>> button to set it.

1. Start Recording: After choose “Start Recording”, press “M” button to start recording voice.
2. Storage (Displayed after insert TF card): the recording files could be saved in Internal or External Memory.
3. Record mode: Normal, AVR((VOR/VOS)
AVR adjustment: 1-31 (Adjust the sensitivity of VAR, the higher the AVR level, the outside sound

must be louder enough, otherwise it will stop recording, meanwhile the VOS icon will flash continuously)

4. Record type: LP: long-time recording Mp3 format, 32Kbps
 SP: standard recording Mp3 format, 128Kbps
 HQ: high quality recording PCM format, 768Kbps
 SHQ: super quality and high fidelity recording PCM format, 1536Kbps
 5. Folder select: A, B, C. you can save the recording files separately
 6. Monitor volume: press the "+" or "-" to select the volume, listening with earphone when the recording is proceeding, you can hear what you are recording
- Press "M" button to enter into the above menu.
 Pressing << or >> button to set different parameters and repress "M" button then return to the main menu.

★ Telephone record

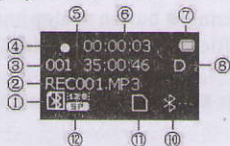


Connect the telephone under the turn off condition as the picture displaying, and then turn on the recorder start recording.

◆ Bluetooth mode

Press << or >> buttons at the main menu interface to select "Bluetooth" mode. Press "M" button to

confirm your selection. The screen of the Bluetooth mode will display as follows:



- ① Bluetooth mode
- ② Serial number of the file
- ③ Total files
- ④ The statement of the recording
- ⑤ The rest of the time for the recording files
- ⑥ Time of the current recording file
- ⑦ Battery Power
- ⑧ Recording files' folder
- ⑩ the statement of the Bluetooth recording
- ⑪ TF card
- ⑫ Recording type

★ Mobile phone Bluetooth connection:

Turn the switch to \times, it displays connecting condition \times....

Turn on the Bluetooth function of your mobile phone, and then search HNSAT. Connect your mobile phone with HNSAT. Please enter 0000 if there is any password needed on your mobile phone. Otherwise you can connect it directly. Then it will display \times.

★ Mobile phone answering and redialing

Long time presses \hookrightarrow call back, short time press \hookrightarrow answer. You can listen to opposite side's voice with earphone. Opposite side could listen to your voice if you speaking to the recorder. Pressing the "+" or "-" to select the volume according to your need.

★ Mobile phone record

Press ● button start recording during the dialogue.
 Press ▶■ button pause recording, repress to continue recording. Pressing ● button to stop and it is saved. The recording files will save in folder D automatically.

Attention: Press ● button means normal recording if no message.

◆Voice mode

Press ◀▶ buttons at the main menu interface to select "Voice mode". Press "M" button to confirm your selection. Then press ◀▶ to choose the folder which recording files saved and press "M" button to enter into. The screen of voice mode display as follows:



① Voice mode ② The name of the current file ③ Total files ④ The number of the current file ⑤ Total recording time of the current file ⑥ Playback time of the current file ⑦ Circulate mode ⑧ Battery power ⑨ Recording files' folder ⑩ TF card ⑪ Sound effect mode ⑫ Recording type

★One button Playing

At recording ceasing condition, press "M" button to play the present recording.

★Play/Pause

Press ▶■ button to stop playing the recording ,repress to continue playing..

★Fast forward/backward

Press ◀◀ button for last file when recording is playing. Press ▶▶ button for next one. Long time press ◀◀ or ▶▶ for fast backward or forward while playing.

★Volume adjustment

Press "+" or "-" to adjust the volume.

★A-B marker repeat

Press ● button after play the recording files, then the "A-B" icon will appear on the screen. Press ● again to select point "A", repress ● to select point "B".

The recorder will start to repeat from A to B.

It will be canceled after three times repeat. Or press ● button to stop repeating.

★Playback setting

Press "M" button enter into playback menu. Press ◀◀ or ▶▶ to select the sub menu

"Sound settings , Delete, Delete All"

Press "M" button to enter into the above menu. Press ◀◀ or ▶▶ button to set the parameters and repress "M" button then return to the main menu.

◆Music Mode

Press ◀▶ button at the main menu interface to select "Music" mode. Press "M" button to confirm your selection. Then press ◀▶ button to choose the

folder which stored songs and press “M” button to enter into. The screen of music mode will display as follows:



① Music mode ② The current song's name ③ Total songs ④ The number of current song ⑤ Total time of the current song ⑥ Playback time of the current song ⑦ Circulate mode ⑧ Battery power ⑨ TF card ⑩ Sound effect mode

The operation is the same as voice mode.

◆ System time

Press ◀▶ buttons at the main menu interface to select system time. Press “M” button to confirm your selection. The screen of system time displaying as follows:



① YY-MM-DD ② Hour: Minute: Second

Press ◀ or ▶ to select the part you want to adjust, the selected part will be highlighted, press “+” or “-” to adjust the time. Then press “M” button to return to main menu.

◆ Settings mode

Press ◀▶ buttons at the main menu interface to select “Settings” Mode. Press “M” button to confirm your selection. Long time press “M” button to return to main menu.

★ Backlight timer

0-60: 0 is to keep backlight on. You can select 1 to 60 seconds. The backlight will turn off automatically after set time.

★ Language

Czech, Greek, English, Danish, German, Spanish, French, Italian, Hungarian, Dutch, Norwegian, Polish, Portuguese, Brazilian Portuguese, Russian, Slovak, Finnish, Swedish, Turkish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Hebrew, Arabic, Thai, Romanian, Indonesian.

★ Power off set

Power saving: 0-120second

Sleep timer: 0-60 minute

★ Set Contrast

0-15: adjust the contrast of screen

★ Disk Space

Available space and total space of the internal or external memory..

★ Set Password

“0000” means there is on password needed when the recorder connect with the PC. Press ◀ or ▶ to select

the part you want to adjust, the part which is selected will twinkle continuously, press “+” or “-” to adjust the number. Then press “M” button to save and return to main menu. The recorder needs input password after the password setting.

★Timer Recording-Auto Record(Scheduled Recording time)

- 1.Auto Record on/off
- 2.Select start time
- 3.End time

Press ◀ or ▶ button to select the part you want to adjust, the selected part will be highlighted, press “+” or “-” button to adjust the time. Then press “M” button to save and return to the main menu.

4. Auto Record cycle

Once: Record voice one time automatically according to the setting time

Daily: Record automatically every day according to the setting time

Work day: Record automatically from Monday to Friday according to the setting time

Press “M” button enter into the “Auto record cycle”. Press ◀ or ▶ button to select . Press “M” button to confirm your selection. Press ▶■ button return to the main menu.

▲ Timed recording function is available under the soft shut-down condition or the standby condition. Please ensure that the battery power is enough and do

not turn off the device.

★Bluetooth auto recording

On: Bluetooth recording automatically when talk on cell phone

Off: Bluetooth not recording automatically when talk on cell phone, need to press ● button to start it.

★Format device

Format the internal memory

★Factory data reset

Restore the factory settings

★Hardware version

The date of creating the software and it's version

◆Connect with computer

With built-in rechargeable heavy-duty polymer lithium battery, the recorder can use as USB flash disk and charging automatically when connecting with computer. It will stop charging when the power is full about 3-4 hours later.

Attention: please push the power switch before charging. Then the computer could distinguish the electric quantity exactly.

Press the right mouth button on the popping icon when you finish the operation.

Please follow the prompt of the computer

Problem	Reasons	Solutions
The recorder can not turn on	The battery doesn't have enough power.	Please charging immediately
Unable to record	The battery doesn't have enough power. The number of files is full	Please charging immediately Delete some files
The recording file is frozen	The recording time is less than one second. The recording file is broken	Make sure effective recording time Delete the broken recording file
No sound when playing files	The battery doesn't have enough power. Check whether the earphone is attached. Whether the volume is adjust to the lowest.	Please charging immediately Remove the earphone Adjust the volume
No sound for the earphone	Check whether the earphone is correctly connected. Whether the volume is adjust to the lowest.	Make sure the earphone is correctly connected. Adjust the volume

Size: 93x31x14mm	Weight: 81g / 38g (optional)
Power: Polymer battery 3.7V 380mAh	
Recording time of SP type: 28 hours	
Flash memory: 2GB to 8GB	
TF card capacity: 128MB ~ 8GB	
Recording bit rate: LP 32Kbps/SP 128Kbps/ HQ 768Kbps/SHQ 1536Kbps	
2GB LP 142 hours/SP 35 hours/ HQ 6 hours/SHQ 3 hours	
4GB LP 285 hours/SP 71 hours/ HQ 12 hours/SHQ 6 hours	
8GB LP 570 hours/SP 140 hours/ HQ 24 hours/SHQ 12 hours	
Supporting system: Windows/2000/XP/Vista/7/8	
Music format: MP3 PCM	
Record format : MP3	