



www.UltraDisk.co.uk

Digital Voice Recorder **User Manual**

DVR 2

Product Overview

- DVR 2 UltraDisk Digital Voice Recorder
- One touch for recording and playing, high quality recording.
- VOR/VAR function: Voice operated/activated recording.
- Three recording modes:
LP: long-time recording SP: Standard recording (SP recording mode is defaulted as VAR, and the VAR sensitivity can be adjusted) HP: high quality recording
- Recording monitor: all the recording modes support the recording monitor function using headphones, and the monitor volume can be adjusted.
- High grade built-in microphone. High quality speaker.
- Recording telephone conversation, recording via external microphone and line function using UltraDisk Telephone recording adaptors.
- LCD screen with green backlight.
- Work as drive free USB flash disk, store any digital file.
- FM Radio.
- Built-in rechargeable lithium battery, charged via PC or AC Adapter.
- Low-battery indication function.
- Works as MP3 Music Player.
- Portable note taker allows playing of selected files. Pause playing, delete the selected files, volume adjustment, automatic break recording.
- Sectional automatic break & repeat from marker A to B.
- Time setting.

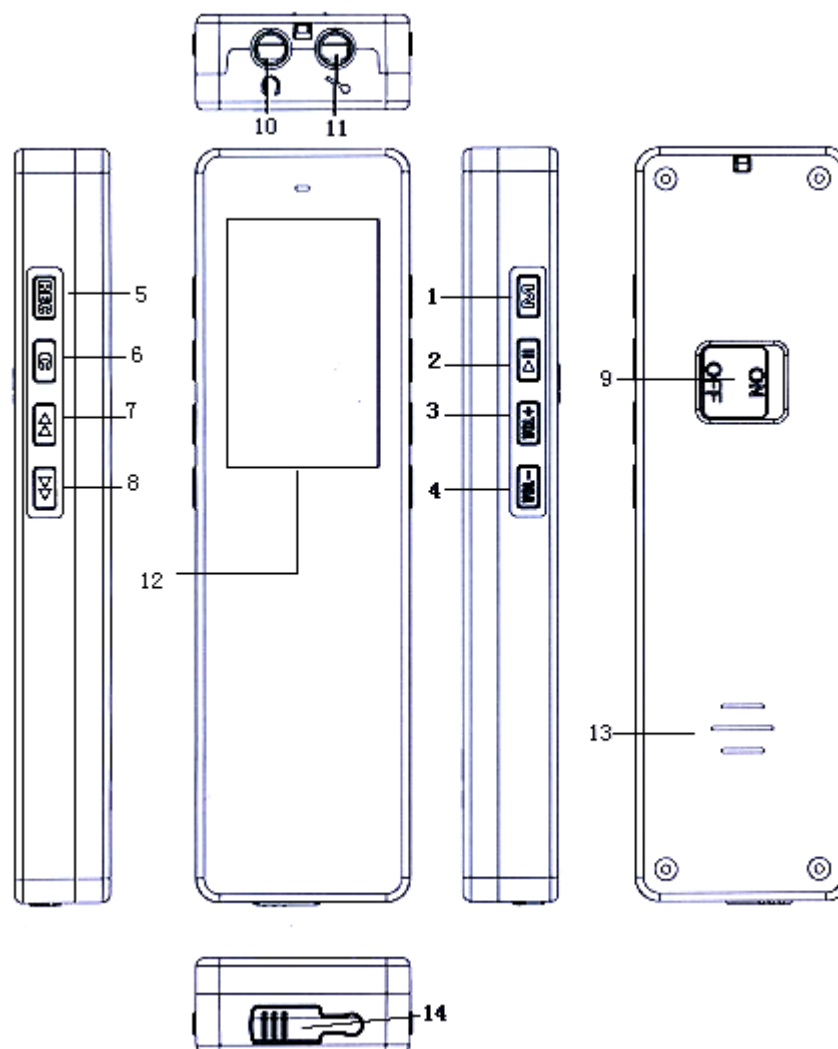
Product advice & warnings

- Please switch off the recorder and push the power "ON/OFF" button to "OFF" side if you are not using the recorder for a long time. This is to avoid needless battery wear during periods of storage.
- Please charge the battery fully when the low-battery indication shows on the screen.
- Please read the user instruction manual carefully before using the device
- Please keep your voice recorder away from moisture and high temperature
- Do not press the screen forcefully. Otherwise it may cause damage of the LCD screen.
- If there is any problem with the recorder, please contact your distributor or visit www.UltraDisk.co.uk support area for free assistance.
- Occasionally backup the files to your computer, just in case!
- We are not responsible for the users' recording without others' approval.
- We reserve the right to modify the design and specifications of the recorder.
- We have no responsibility to give separate notice for the modification.

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Appearance and buttons



- | | |
|---------------------------|------------------------|
| (1) M (Menu) | (2) Play/stop (▶▶) |
| (3) Volume+ | (4) Volume - |
| (5) REC | (6) delete/Cancel (C) |
| (7) Forward (▶▶) | (8) Backward (◀◀) |
| (9) Power on/off (OFF/ON) | (10) Earphone jack (🎧) |
| (11) Signal-in jack. (🔊) | (12) Screen |
| (13) Speaker | (14) USB jack |

Technical specification

Dimension: 95mm*26mm*12mm	Weight : 33g
Power supply : Lithium 3.7v 210mAh	
Flash memory : FLASH 128MB~2GB	
Record bit ratio: LP 8 Kbps / SP 32 Kbps / HP 64 Kbps	
Recording time	128MB: LP 35 hours / SP 8 hours / HP 4 hours
	256MB: LP 70 hours/SP 17 hours/HP 8 hours
	512MB:LP 140 hours/SP 35 hours /HP 17 hours
	1GB: LP 280 hours/SP 70 hours/HP 33 hours
	2GB: LP 560 hours/SP 140 hours/HP 65 hours
FM Radio : 87.5MHz~108MHz	
Frequency response 20Hz~20KHz	
Signal noise ratio 80db	
Maximum output: 10mW(L) + 10Mw(R)	
Diameter of speaker 23mm	
Supports Operating Systems Windows98/Me/2K/XP/Vista/Mac OS 10/Linux2.4.2	
Recording audio format: ACT WAV. Music audio format: MP3 WMA WAV	

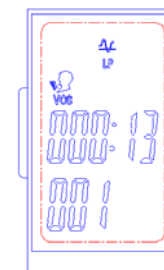
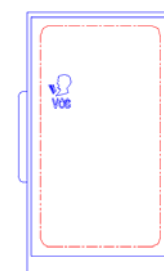
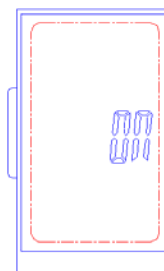
Operating Instructions

Turning on :

Push the power switch (OFF/ON) (9) to "ON" side. The recorder will turn on in 3 seconds. If the recorder has turned off under the sleep mode and the power switch (3) is at the "ON" side, press "▶||" button (2) to wake the device up, the LCD screen will light up again and the recorder is awoken from sleep mode.

If there is no recording file in the recorder, the recorder will automatically enter into the main menu, as shown on the right image.

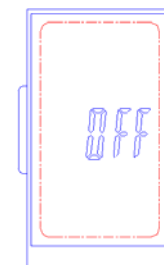
If there are recording files in the recorder, the recorder will automatically enter into the recording file playback mode. As shown on the right image.



Turning off:

Step 1: press "▶||" button (2) for 3 seconds when the voice recorder is on, the screen updates and shows "OFF", the recorder is turned off.

Step 2: Push the power "ON/OFF" button (9) to "OFF" side.



! Attention : After turning off the recorder, please make sure that the power "ON/OFF" button (9) is pushed to "OFF" side to avoid battery wear.

Low battery indication function:

The Recorder will show  if the battery is low.

If you do not notice the indication of the low battery indicator during recording. The recorder will automatically save the present recording file and automatically turn off within 30 seconds. Please recharge the battery in time and back up the recording files.



Attention : DO NOT turn of the recorder during recording.

It may cause the loss of your recording message & could freeze the recorder by creating a corrupt file. If the recorder appears frozen and will not turn on, the recorder should be formatted on the computer to remove the damaged file. The recorder can only be used normally after formatting. Please select FAT system to format the recorder. You will lose all recording off your recorder if you do not back them up before you do this.

Recording:

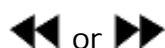
Record with one-touch button: Press "REC" button when you turn on the device to start recording. The screen shows the recording icon, the recorder enters in SP recording mode by default. It begins recoding.



SP recording mode is the defaulted recording mode in the recorder. And it is also defaulted as Voice Activated Recording. The sensitivity of VAR can be adjusted properly according to the sound source and room ambience.

Adjusting the sensitivity of VAR:

After entering the SP recording mode. Press the "REC" button once to make a shot recording and then stop recording, then press

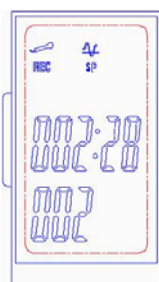


to select the levels of VAR on the screen to suit, the minimum setting is 1 and the maximum is 4. Repress the "REC" button to continue recording after finishing any adjustments.



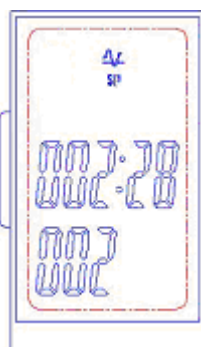
Will flash on the LCD screen when there is no sound heard by the recorder after 3 seconds. The recording time will stop and the recording will pause. The recording will automatically start recording again when

sound is heard. Screen shows:



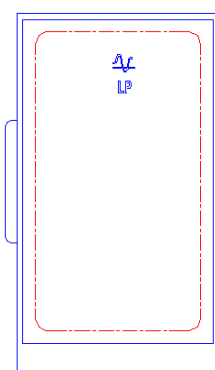
Stop recording:

Repress "REC" button (5) to stop the recording. Screen shows:

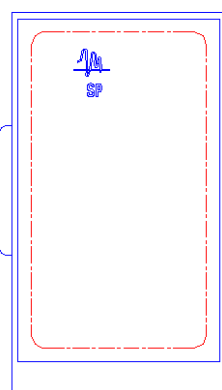


Setting recording mode:

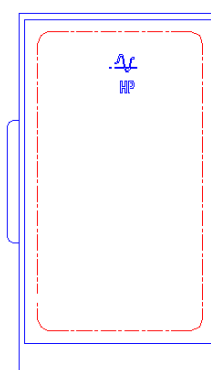
Press "Menu" button (5) to enter in main menu. Press ◀◀ or ▶▶ buttons (7) or (8) to select the recording modes. Press "M" button (1) to confirm the selection. Images below show the signs of recording mode displayed on the screen when selected.



(LP recording mode)



(SP VAR recording)



(HP recording mode)

- LP: Long play recording (ACT)
- SP: standard recording (WAV)
- HP: high quality recording (WAV)

*Only the SP recording mode has Voice Activated Recording




Attention: When screen shows "FUL", 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 a low battery condition it should be recharged. The recorder can save 200 individual recording files.




Automatic section-break:

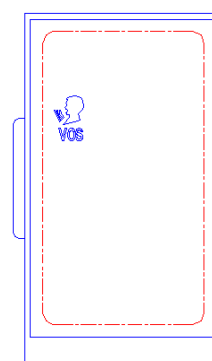
When recording for over 4 hours, the recorder will automatically save the recording message and continue recording in another file.

Play recorded files:

Press  button (2) when the recording has finished, or in the default mode to start playing the recording files. The recording files will play one by one.

Repress  button (2) to pause playing. Or in the main menu





interface, press  or  to choose the playing mode, as the picture (1) above shows, press "M" button(1) to confirm your selection, and then enter into the playing standby condition, to start playing with  button (2).



Adjust volume:

Press "volume+/volume-" button (3) or (4) to adjust the volume.

Selecting a file to play :

Press  button (7) in playing condition to select the next file, press  button (8) for last one. Press and hold  or  button (7) or (8) to fast forward or go backward in the recording.

Recording monitor :

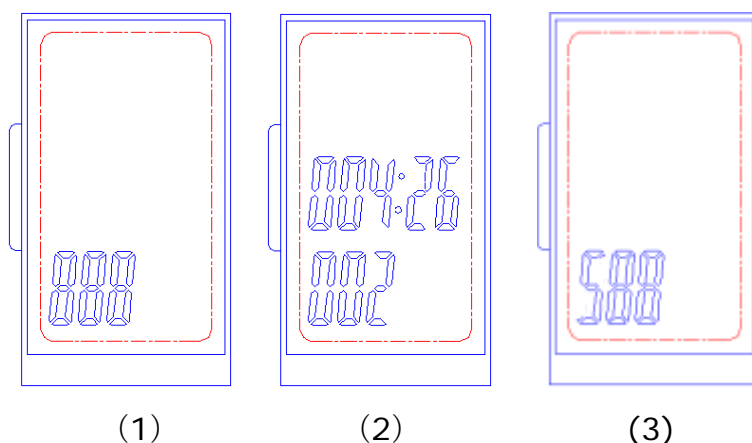
Insert the earphone when the recording is being made, you can hear what you are recording, and you can also adjust the volume in the earphone:

press the "REC" to stop the recording and then press the "VOLUME+" or "VOLUME-" to select the volume for listening, the minimum recording monitor volume is 0 and the maximum is 31. After finishing the adjustment, press "REC" to continue recording.

Music Playback Mode MP3 :

To enter into Music mode: Press "M" button (1) in standby condition to enter into the main menu. Press ◀◀ or ▶▶ button (7) or (8) until the screen shows like picture (1) below. Repress "M" button (1) to confirm the selection and enter in music mode.

When the recorder has entered into Music standby mode as the picture (2) shows, if there are no music files loaded onto the recorder, the screen shows picture(3) and will return to the main menu.



Play/stop playing:

Press ▶|| button (2) to start playing in music mode. Repress ▶|| to stop playing.

Adjust Volume:

Press "VOL+" or "VOL-" (3) or (4) to adjust the volume

Select the music to play:

The same operation with select segment in playing recording file.



Attention : As the recorder adopts Dual Audio stereo earphone output, we suggest listening with the stereo earphone to achieve the best stereo sound. The built in speaker will playback the music file, but will not be in stereo.

A—B repeat playback marker

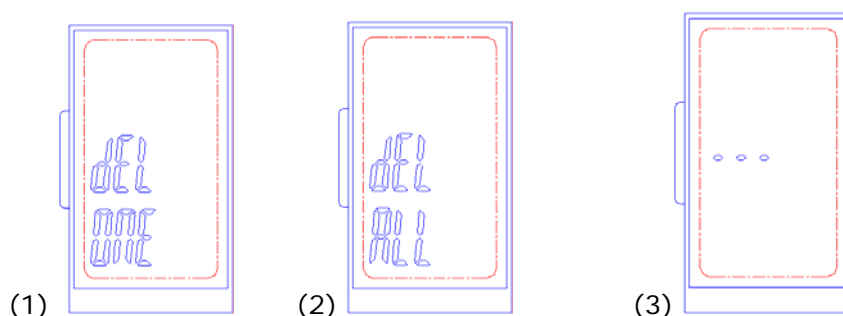
To Set A—B repeat with marker points: Press “REC” button (5) in recording or music playing mode to confirm point “A”, at the desired end point repress “REC” button (5) to confirm point “B”. The recorder starts to repeat playback from marker A to marker B.

Stop repeating : The recorder will automatically stop repeating after repeating the selected markers for 3 times only when repeating music. And it will repeat all the time when repeating recorded audio files. Press “REC” button (5) or “M” button (1) to stop repeating.

Deleting recordings

In the recording and playing stopped mode, select the file which should be deleted. Briefly press “C (Cancel)” button (6) for deleting the file you selected. The screen shows below: picture (1).

Hold down the “C (Cancel)” button (6) for a longer time to delete all recordings. The screen shows like below: picture (2).



Press “M (Menu)” button (1) to confirm the deletion. If successful in deleting, the screen shows (3):

! Attention : After entering the “Delete” mode, no further operations can be made on the recorder for 3 seconds, the recorder will automatically exit delete mode.

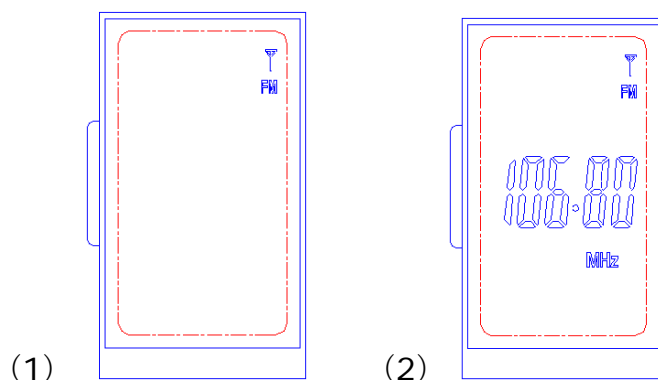
! Attention: Please backup the important files in the computer before deleting or formatting the recorder.

FM Radio (The FM covers 87.00MHZ ~ 108.0MHZ)

FM Radio: Press "M" button (1) in standby condition to enter the FM

Radio function from the main menu. Press ◀◀ / ▶▶

button (7) or (8) until the screen shows like picture (1) below. Press "M" button (1) to confirm and enter into the FM Radio mode. Then the screen shows like picture (2).



Scan Channels: briefly press ◀◀/▶▶ button (7) (8) for manual scanning. Press ◀◀/▶▶ button (7) or (8) for longer for automatic scanning. If the channel is scanned, the recorder will stop to play the channel automatically.

Save the channel: Press "REC" button (5) to save the channel when recorder scans the channel. After saving the channels, press ▶|| button (2) to select the saved channels. Press ◀◀/▶▶ button (7) or (8) to continue scanning channels.

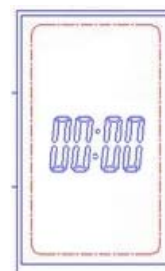
Delete the saved channels: Press "C (Cancel)" button (6) to delete the saved channels.



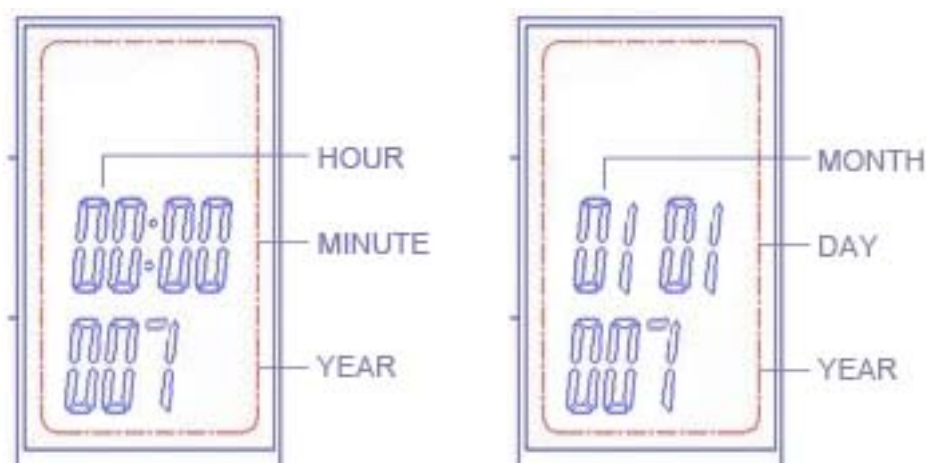
Attention : Please use headphones when listening to FM radio as the earphone is used as the aerial.

Time setting & recording date stamp

Press the "M" button (1) at any standby condition to enter into main menu. Press "◀◀/▶▶" button (7) or (8) to select the time-setting mode. The screen changes, press "M" button (1) to edit the time:



Press "◀◀/▶▶" button (7) or (8) to select the part which should be adjusted. The selected part will flash. Press "VOL+/VOL-" button to adjust the part. As the pictures show:



After finishing the setting the recorder will save it automatically. After 6 seconds in standby condition or by pressing "M" button (11) at any time, the recorder will return to the record mode menu.

Checking the recording time

Transfer the recording files to the computer. Right click the mouse and open "Properties". You will see the time data of the recording file:

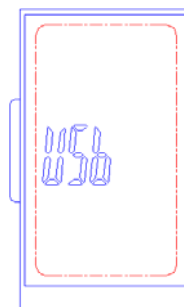
- The creation time is the time when recording started.
- The modified time is the time when recording stopped
- The access time is the time when the recording files were uploaded to the computer.

There is no clock memory function in the recorder; the time which is indicated can be different with daily time, please reset the time when you need this function.

Transferring recorder files to Computer

Connect the recorder with the computer via USB cable

Please insert the USB cable with the recorder into the "USB" Jack (14), and connect the USB cable with the computer. The screen on the digital voice recorder will show:



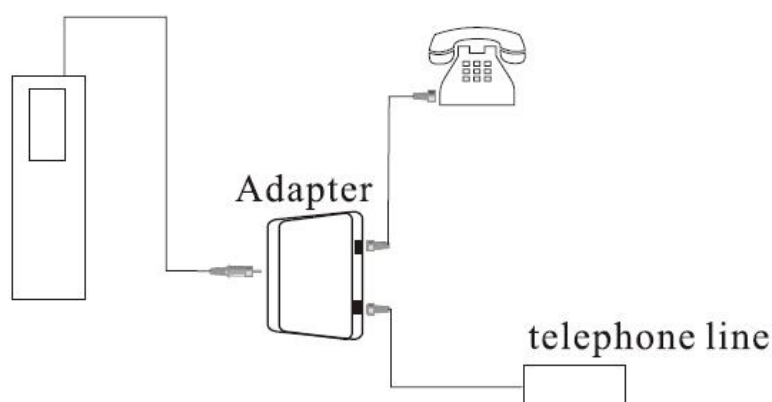
The recorder has the full function of a standard USB flash disk. It can support windows 98 system (But should install the driver), Windows 2000 or above (driver free), Vista, Mac OS X10.3 or above, Linux Red hat 8.0 or above.



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

Recording telephone conversations

Using your UltraDisk voice recorder with UltraDisk telephone recording adapters you can record both sides of a telephone conversation. The diagram below shows the suggested set up.



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-in jack (11)

3. Select the suitable recording mode in the recorder and press "REC" button (5) to start recording.

Record through external Microphone:

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

Record audio via line in:

1. Connect one end of line-in cable with other player's output jack, the other end of the line-in cable with the recorder's "signal-in" jack.
2. To select the suitable recording mode first, after that press "REC" button to start recording, then to turn on the external player and play the audio files, the sound it plays will be recorded.



Attention: In case of occurrence of distortion, please adjust the output volume of the player to proper level.

Install driver (win 98 only) and audio conversion tools 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. Sound Convert is for converting the Voice Files. MP3 player Disk Tool is for setting the password for the disk.

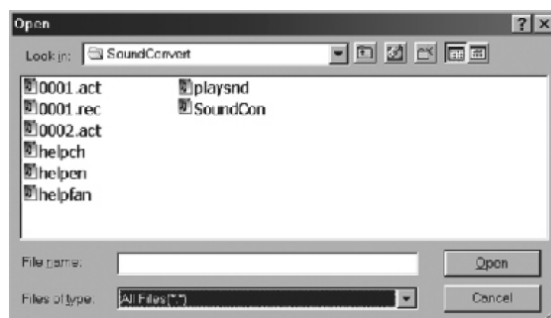
Convert ACT recording file into * WAV format

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

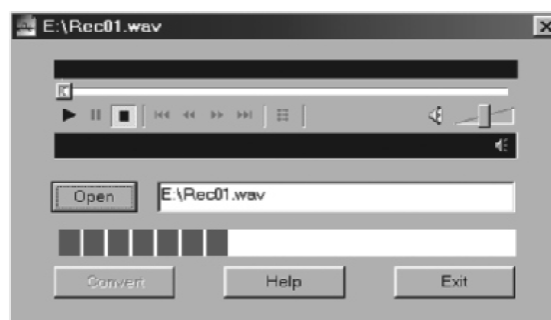
1. Run "Sound Converter" program, and click "Open" button



2. Select the 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".

Recharging the battery

Please insert one end of USB cable into the accompanying charger, and the other end into the USB jack of the recorder. Insert the charger into the AC plug (110V-250V). Red and green indicator light indicates power recharge is proceeding. Red indicator light off and green indicator light on indicates recharge is over. Please recharge the battery for more than 6 hours to prolong the battery life.



Attention : Please push the “Power OFF/ON” button on “OFF” side before recharge. Please be careful when use AC source.

Trouble shooting

The recorder cannot turn on.

Please check the power switch is at the “ON” side or if there is enough battery, please recharge the battery or reformat the recorder

No sound is heard when playing files.

Please make sure the connection of earphone is OK. Please adjust the volume or check the file to see if the file is damaged/corrupted

It will not record.

Please format the recorder at FAT system. But please backup the important files onto your pc/laptop before formatting. All data is wiped from the recorder

The recorder is frozen, can not response.

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.

It will not connect with my PC, it can't be recognized.

Please check whether there's something wrong with the USB cable, use a spare if you have one. If you are on an old Operating system please check that the OS USB driver has been installed properly.

More support and FAQ are available in the UltraDisk support area; please visit www.ultradisk.co.uk or your vendor for direct support.