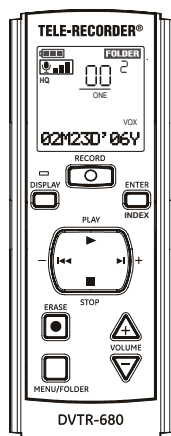


TELE-RECORDER®

MODEL DVTR-680

VOICE ACTIVATED DIGITAL TELEPHONE RECORDER



OWNER'S GUIDE

Please read this instruction manual carefully.

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons including the following:

1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electrical shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of the battery in a fire. They may explode. Check with local codes for possible special disposal instructions.
5. Plug the adapter to the socket outlet that is near the equipment and shall be easily accessible.
6. This equipment is to be supplied from an identified USB port complying with the requirements of Limited Power Source.

SAVE THESE INSTRUCTIONS

IMPORTANTES MESURES DE SÉCURITÉ

Certaines mesures de sécurité doivent être prises pendant l'utilisation de matériel téléphonique afin de réduire les risques d'incendie, de choc électrique et de blessures. En voici quelquesunes:

1. Ne pas utiliser l'appareil près de l'eau, p.ex., près d'une baignoire, d'un lavabo, d'un évier de cuisine, d'un bac à laver, dans un sous-sol humide ou près d'une piscine.
2. Éviter d'utiliser le téléphone (sauf s'il s'agit d'un appareil sans fil) pendant un orage électrique. Ceci peut présenter un risque de choc électrique causé par la foudre.
3. Ne pas utiliser l'appareil téléphonique pour signaler une fuite de gaz s'il est situé près de la fuite.
4. Utiliser seulement le cordon d'alimentation et le type de piles indiqués dans ce manuel. Ne pas jeter les piles dans le feu: elles peuvent exploser. Se conformer aux règlements pertinents quant à l'élimination des piles.
5. La socket-sortie sera installée près de l'équipement et sera facilement accessible. L'équipement doit être fourni à partir d'un acquiescement gauche identifié d'USB aux conditions de la source d'énergie limitée.
6. L'équipement doit être fourni à partir d'un acquiescement gauche identifié d'USB aux conditions de la source d'énergie limitée.

CONSERVER CES INSTRUCTIONS

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A Features

The DVTR-680 Voice Activated Digital Tele-Recorder® is ideal for recording memos, lectures, interviews, meetings, and telephone conversations.

Recorder Features:

- Lightweight, compact, and easy to operate.
- Multifunction display indicates recorder status, date and time, recording and folder number, battery condition, remaining recording time.
- Voice activated recording conserves battery life and recording memory.
- Built in 32 MB Flash memory.
- Three recording modes (HQ, SP and LP) provide up to 880 minutes of recording time.
- Five folders can store up to 99 recordings per folder.
- Fast Forward or Rewind of recordings during playback.
- Index mark to quickly find selected parts of recordings.
- Features include moving, inserting, cutting and appending recordings.
- External Mic jack allows use of an external microphone (not included).
- Earphone jack allows private listening (ear bud included).
- Requires 2 AAA Batteries (not included).

Docking Station Features:

- Connects recorder to your telephone and PC using supplied cables.
- Supplies power from PC to recorder when inserted in docking station.
- Allows use of an optional AC power adapter (not included).

File Manager Software Features:

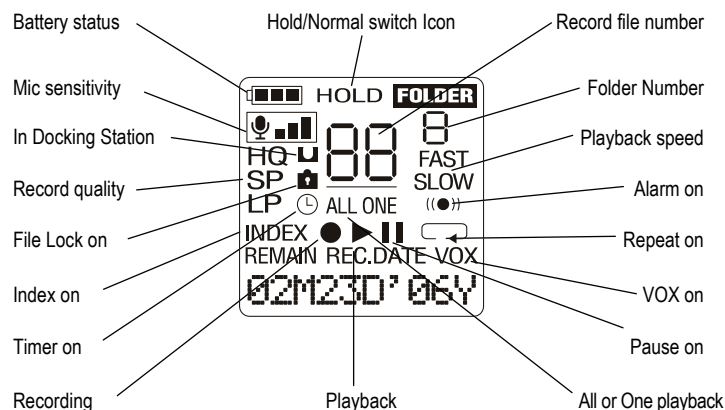
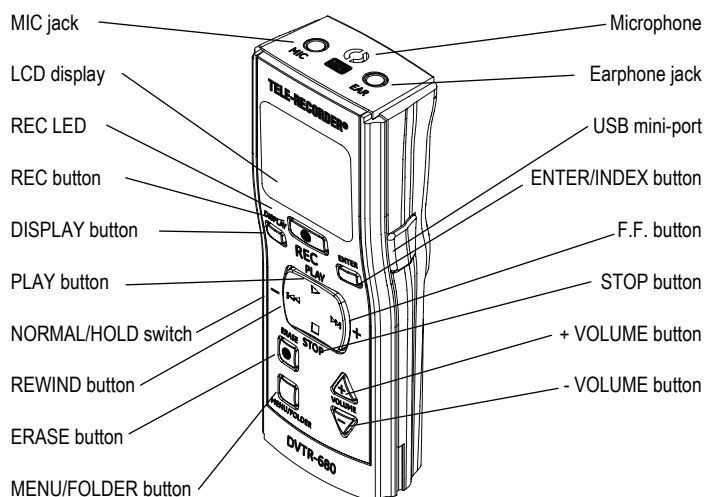
- Use File Manager software to transfer data between recorder and PC.
- Upload the date and time to the recorder as well as setting changes.
- Playback, convert, and edit voice data files using PC.

B Getting Started

Congratulations on your purchase of the Voice Activated, DVTR-680 Digital Voice Tele-Recorder®. This package contains the following items:

- DVTR-680 recorder.
- Docking Station.
- USB cable.
- Short modular handset cord.
- Ear bud type earphone.
- DVTR-680 Owner's Guide.
- DVTR-680 File Manager Software installation CD.

C Control Location and Display Information

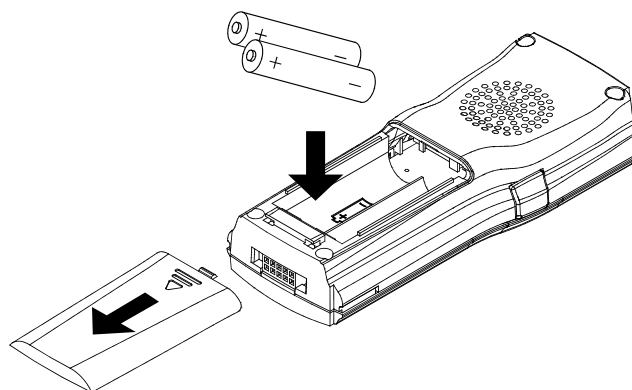


D Installation Information

BATTERY INSTALLATION

For best performance, the use of alkaline batteries is recommended.

- Press down lightly on arrow and slide battery compartment cover open.
- Observing the correct polarity, insert two fresh AAA size batteries. Close the battery compartment cover completely.
- The **BATTERY** icon in the display will indicate three boxes when fresh batteries are used.
- Replace batteries if "CHANGE BAT" icon appears in the display.
- Power shuts off automatically when recorder is idle for 30 seconds.
- Remove batteries if recorder will not be used for a few weeks or more. Battery leakage can damage your recorder.



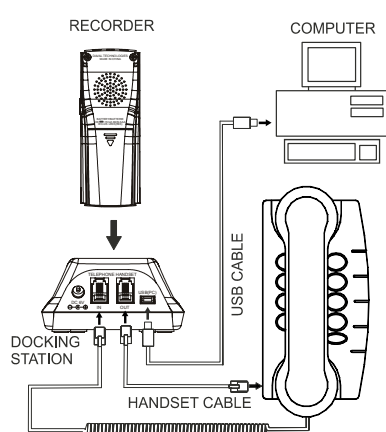
Docking Station Installation

Connect the docking station to your telephone via the handset jack located in the base of most telephones.

- Remove coiled handset cord from **HANDSET** jack in telephone base.
- Plug loose end of coiled handset cord into docking station **IN** jack.
- Plug end of supplied short handset cord into docking station **OUT** jack.
- Plug remaining end into **HANDSET** jack in telephone base.


The USB cable included in this package must be used with this equipment to ensure compliance with the Class B FCC limits.

- Insert large connector end of USB cable into a available **PC USB** port. Insert small connector end of USB cable into **DOCKING STATION** mini-USB port.
- The docking station receives power from the PC via USB cable when PC is turned on. Recorder batteries are automatically disconnected when recorder is inserted in docking station.




IMPORTANT SAFETY INFORMATION ⚠ You can use a Listed Direct Plug-In AC Power Unit (not supplied) marked "Class 2 (Classe) 2" that must be rated at 6VDC @300mA with positive center tip output plug. Plug dimensions are 10 mm plug length, 5 mm OD, and 2 mm ID. Using an AC power unit that does not meet these specifications could seriously damage the recorder. The correct orientation for the ac power unit is in a vertical or floor mount position.

FOR USA

CAUTION: Use only with Class 2 power source listed to UL1310 that supplies 6 VDC 300 mA -  +

For Canada

CAUTION: Use only with Class 2 power source, listed to CAN/CSA C22.2 No.223, that supplies 6VDC 300mA -  +

Utiliser uniquement une alimentation de classe II, listée dans CAN/CSA C22.2 No.223, qui fournit 6V, C.C. et 300 mA.

You can purchase a DC adaptor through service center or retailer shop. For servicing or replacement please contact us for suitable DC adaptor.


Vous pouvez acheter un transformateur C.C. par le service central ou le magasin du distributeur. Contacter nous S.V.P. pour entretenir ou remplacer votre transformateur C.C. de façon convenable.

Daval Technologies LLC
PO Box 27
Chappaqua, New York 10514
Tel: 914-251-9220

E Operating Information

Normal/Hold Switch

The **NORMAL/HOLD** switch is located on left side of the recorder. It prevents the recorder control buttons from being accidentally pressed when it is in your pocket or brief case.

1. Set **NORMAL/HOLD** switch located on left side of recorder to **HOLD** position. 
2. The **HOLD** icon will be displayed. When **PLAY** button is pressed, "LOCK: ON" will be displayed briefly.
3. Return **NORMAL/HOLD** switch to **NORMAL** position to resume normal recorder operation.

Idle Mode Display Information

Your recorder will display battery status, folder number and number of recordings, recording mode, MIC sensitivity, playback mode, VOX status, and current time when recorder is in idle mode.

1. Press **DISPLAY** button to display year and date.
2. Press and hold **STOP** button to display the total number of files in the present folder and the remaining recording time.
3. The idle mode information is displayed for approximately thirty (30) seconds after the last button is pushed.

Selecting Record Folders

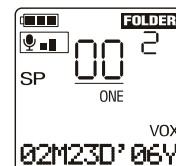
The recorder has five recording folders, each capable of storing 99 recordings.

1. Press **MENU/FOLDER** button as required to select desired folder prior to making or playing back recordings.

Setting Year/Date/Time

When batteries are first installed or replaced, the current year, date and time must be entered into the recorder's memory. Start entering within 15 seconds or the display will return to idle mode.

1. Press and hold **MENU/FOLDER** button until "DATE/TIME" flashes. Press **ENTER/INDEX** button, "01M01D'06Y", will appear.
2. The last three digits "06Y" (year digits) will flash. Press **F.F.** or **REWIND** button as required to enter current year.
3. Press **ENTER/INDEX** button to confirm, "01M" (month digits) will flash. Press **F.F.** or **REWIND** button as required to enter current month.
4. Press **ENTER/INDEX** button to confirm, "01D" (day digits) will flash. Press **F.F.** or **REWIND** button as required to enter current day.
5. Press **ENTER/INDEX** button to confirm, the "12:00 AM" (hour digits) will flash. Press **F.F.** or **REWIND** button as required to enter current hour.
6. Press **ENTER/INDEX** button to confirm, the "01" (minute digits) will flash. Press **F.F.** or **REWIND** button as required to enter current minute.
7. Press **ENTER/INDEX** button to confirm, "RECORD MODE" will flash. Press **ENTER/INDEX** button to enter menu or press **STOP** button to return to idle mode.



Setting Recording Mode

Depending on your recording requirements, select one of three record modes.

HQ: provides best sound quality with about 120 minutes of recording time.

SP: provides average sound quality with about 340 minutes of recording time.

LP: provides less sound quality with about 880 minutes of recording time.

1. Press and hold **MENU/FOLDER** button until "DATE/TIME" flashes.
2. Press **F.F.** or **REWIND** button as required until "REC MODE" flashes.
3. Press **ENTER/INDEX** button, "REC MOD:" will appear and the present record mode, HQ, SP, or LP will flash.
4. Press **F.F.** or **REWIND** button as required to select desired record mode. Press **ENTER/INDEX** button to confirm.
5. "MIC SEN" will flash, press the **ENTER/INDEX** button to enter menu or press **STOP** button to return to idle mode.

Setting Microphone Sensitivity

Your recorder has three preset microphone sensitivity settings. Medium (MI) setting works well for most recording situations.



1. If sound source is loud or located near recorder, use low (LO) setting.
2. If sound source is low or located away from recorder, use high (HI) setting.
3. Press and hold **MENU/FOLDER** button until "DATE/TIME" flashes.
4. Press **F.F.** or **REWIND** button as required until "MIC SEN" flashes.
5. Press **ENTER/INDEX** button, "MIC SEN:" will appear and present record mode (LO, MI, or HI) will flash.
6. Press **F.F.** or **REWIND** button as required to select desired microphone sensitivity.
7. Press **ENTER/INDEX** button to confirm, "PLAY MODE" will flash. Press **ENTER/INDEX** button to enter menu or press **STOP** button to return to idle mode.

Setting Playback Mode

Set recorder to playback either one recording or all recordings in folder.

1. Press and hold **MENU/FOLDER** button until "DATE/TIME" flashes.

2. Press **F.F.** or **REWIND** button as required until **"PLAY MODE"** flashes.
3. Press **ENTER/INDEX** button, either **"PLAY ONE"** or **"PLAY ALL"** will flash. Press **F.F.** or **REWIND** button to select desired playback mode.
4. Press **ENTER/INDEX** button to confirm, **"VOX SET"** will flash. Press **MENU/FOLDER** button to enter menu or press the **STOP** button to return to idle mode.


Setting VOX Record Mode

When using VOX record mode, recording starts only when the sound level at the microphone or the telephone line reaches the preset level.

1. Press and hold **MENU/FOLDER** button until **"DATE/TIME"** flashes.
2. Press **MENU/FOLDER** button as required until **"VOX SET"** flashes.
3. Press **ENTER/INDEX** button, either **"VOX ON"** or **"VOX OFF"** will flash.
4. Press **F.F.** or **REWIND** button to set the **VOX** function **ON** or **OFF**.
5. Press **ENTER/INDEX** button to confirm, **"TIMER REC"** will flash. Press **ENTER/INDEX** button to enter menu or press **STOP** button to return to idle mode.

Setting Timer Record Mode

The recorder can be set to automatically schedule a recording session at a preset time.


1. Press and hold **MENU/FOLDER** button until **"DATE/TIME"** flashes.
2. Press **F.F.** button as required until **"TIMER REC"** flashes.
3. Press **ENTER/INDEX** button, **"TIMER"** will appear and **"ON"** or **"OFF"** will flash. Press **F.F.** button as required to select **ON** or **OFF**.
4. Press **ENTER/INDEX** button to confirm. If timer record mode is **ON**, the timer record icon and **"01M01D'06Y"** will appear in display.
5. The start recording month digits **"01M"** will flash. Press **F.F.** or **REWIND** button as required to enter desired month.
6. Press **ENTER/INDEX** button, the start recording day digits **"01D"** will flash. Press **F.F.** or **REWIND** button as required to enter desired day.
7. Press **ENTER/INDEX** button, **(S)** for start will be displayed. The start recording hour digits **"12"** as well as **"AM"** or **"PM"** will flash. Press **F.F.** or **REWIND** button as required to enter desired hour.
8. Press **ENTER/INDEX** button, the start recording minute digits **"00"** will flash. Press **F.F.** or **REWIND** button as required to enter desired minute.
9. Press **ENTER/INDEX** button, **(E)** for end will be displayed. The end recording hour digits **"12"** as well as **"AM"** or **"PM"** will flash. Press **F.F.** or **REWIND** button as required to enter desired hour.
10. Press **ENTER/INDEX** button to confirm, the end recording minute digits **"00"** will flash. Press **F.F.** or **REWIND** button as required to enter the desired minute.
11. Press **ENTER/INDEX** button to confirm, **"ALARM PLAY"** will flash. Press **MENU/FOLDER** button to enter menu or press **STOP** button to return to idle mode.
12. If timer record mode is set to **ON**, the timer icon will appear in idle mode. 

Setting Alarm Playback Mode

The recorder can automatically playback a selected recording at a preset time.


1. Press and hold **MENU/FOLDER** button until **"DATE/TIME"** flashes.
2. Press **F.F.** or **REWIND** button as required, until **"ALARM PLAY"** flashes.
3. Press the **ENTER/INDEX** button, **"ALARM"** will appear in display and **"ON"** or **"OFF"** will flash. Press **F.F.** or **REWIND** button as required to select **ON** or **OFF**.
4. If you do not want to activate this feature, select **"OFF"** and advance to next menu.
5. If you selected **"ON"**, the alarm playback icon will appear in display. Press **ENTER/INDEX** button, **"DATE:"** will appear in display and **"YES"**

will flash.

6. Press **ENTER/INDEX** button, **"01M01D'05Y"** will appear in display. The alarm playback year digits will flash. Press **F.F.** or **REWIND** button as required to enter desired year.
7. Press **ENTER/INDEX** button to confirm, the alarm month digits will flash. Press **F.F.** or **REWIND** button as required to enter desired month.
8. Press **ENTER/INDEX** button to confirm, the alarm hour digits as well as either **AM** or **PM** will flash. Press **F.F.** or **REWIND** button as required to enter desired hour.
9. Press **ENTER/INDEX** button to confirm, the alarm minute digits will flash. Press **F.F.** or **REWIND** button as required to enter desired minute.
10. Press **ENTER/INDEX** button to confirm, **"FILE LOCK"** will flash.
11. Press **ENTER/INDEX** button to enter this menu or press **STOP** button to return to idle mode.
12. If alarm playback mode is set to **ON**, the alarm icon will appear in the display during idle mode. 

Locking a File

The file lock feature is used to prevent important recordings from being accidentally erased. If a file is locked, the file locked icon will appear in the display during idle mode.

1. Press **MENU/FOLDER** button as required to select folder containing recording to be locked. Press **F.F.** or **REWIND** button as required to select recording.
2. Press and hold **MENU/FOLDER** button until **"DATE/TIME"** flashes.
3. Press **F.F.** or **REWIND** button as required until **"FILE LOCK"** flashes.
4. Press **ENTER/INDEX** button, **"LOCK:"** will appear in display and **"ON"** or **"OFF"** will flash.
5. Press **F.F.** or **REWIND** button to set **FILE LOCK** to **ON** or **OFF**. 
6. Press **ENTER/INDEX** button, **"KEY TONE"** will flash. Press **ENTER/INDEX** button to enter menu or press **STOP** button to return to idle mode.

Setting Key Tone Mode

If the **KEY TONE** is on, a beep will be heard when a button is pressed except during recording and playback modes.

1. Press and hold **MENU/FOLDER** button until **"DATE/TIME"** flashes.
2. Press **F.F.** button as required until **"KEY TONE"** flashes.
3. Press **ENTER/INDEX** button, **"TONE"** will appear in display and **"ON"** or **"OFF"** will flash.
4. Press **F.F.** or **REWIND** button as required to set key tone **ON** or **OFF**.
5. Press **ENTER/INDEX** button, **"CONTRAST"** will flash. Press **ENTER/INDEX** button to enter menu or press **STOP** button to return to idle mode.

Setting Display Contrast

The display contrast can be adjusted to suit your personal viewing needs.

1. Press and hold **MENU/FOLDER** button until **"DATE/TIME"** flashes.
2. Press **F.F.** button as required until **"CONTRAST"** flashes. Press **ENTER/INDEX** button, **"LCD = 03"** will flash.
3. Press **F.F.** or **REWIND** button as required to select desired contrast level between **01** and **05**.
4. Depending on lighting conditions **03** is usually a good choice.
5. Press **ENTER/INDEX** button, **"RESET ALL"** will flash. Press **ENTER/INDEX** button to enter menu or press **STOP** button to return to idle mode.

Resetting to Factory Default

The recorder can be reset to its original factory default settings.

1. Press and hold **MENU/FOLDER** button until “**DATE/TIME**” flashes.
2. Press **F.F.** or **REWIND** button as required until “**RESET ALL**” flashes. Press **ENTER/INDEX** button, “**RESET ALL?**” will flash.
3. Press **ENTER/INDEX** button, “**SURE?**” will flash. Press **STOP** button to cancel, or press **ENTER/INDEX** button to confirm.
4. “**DEFAULT.**” will appear briefly confirming all settings have been reset to the original factory settings. “**ABOUT ...**” will flash briefly. Press **STOP** button to return to idle mode.

Manual Recording

When manual recording, the user must start and stop the recorder.

1. Prior to recording, select desired recording mode **HQ**, **SP**, or **LP**.
2. Select desired preset microphone sensitivity **LO**, **MI**, or **HI**.
3. Confirm the **VOX** function is set to **OFF**.
4. Press **RECORD** button to start recording. The red **LED** will light during recording.
5. The elapsed time of the recording will appear in display. Press **DISPLAY** button to see how much recording time is available.
6. Press **+ VOLUME** or **- VOLUME** button during recording to fine adjust microphone sensitivity. Five (5) is ideal for most recording situations.
7. While recording, alternately press **RECORD** button to pause or resume recording. During pause, the amount of recording time used is displayed.
8. Press **STOP** button to stop recording. The remaining recording time will be displayed briefly before returning to idle mode.
9. While recording, you can chose to press **PLAY** button to playback your recording immediately without pressing the **STOP** button first.

Automatic Recording

When using the VOX feature, the recorder will start and stop automatically.

1. Prior to recording, select desired recording mode **HQ**, **SP**, or **LP**.
2. Select desired microphone sensitivity **LO**, **MI**, or **HI** setting.
3. Confirm that the **VOX** function is set to **ON** mode.
4. Press **RECORD** button to start recording, the red **LED** will light during recording and flash when recording is automatically stopped. Reduce the Mic Sensitivity if recording continues after three seconds of silence.
5. The elapsed time of the recording will be continuously displayed. Press **DISPLAY** button to see how much recording time is available.
6. The elapsed recording time will pause and recording will stop when the sound being recorded is less than the microphone sensitivity level. Reduce the Mic Sensitivity as necessary to allow recording to stop when there is no sound to record.
7. Press **+ VOLUME** or **- VOLUME** button during recording to fine adjust microphone sensitivity. Five (5) is ideal for most recording situations.
8. While recording, alternately press **RECORD** button to pause or resume recording. During pause, the amount of recording time used is displayed.
9. Press **STOP** button to stop recording. The remaining recording time will be displayed briefly before returning to idle mode.
10. While recording, you can chose to press **PLAY** button to playback your recording immediately without pressing **STOP** button first.

Overwriting Recordings

Any recording can be over written instead of erasing it.

1. Press **MENU/FOLDER** button as required to select the folder containing recording you are going to overwrite.
2. Press **F.F.** or **REWIND** button as required to select recording to over write. Press **PLAY** button, then press **RECORD** button to start recording. The red **LED** will light.

3. The previous recording will be erased and overwritten with the new recording.

Inserting Recording

A new recording can be inserted anywhere into an existing recording.

1. Press **MENU/FOLDER** button as required to select folder containing recording to insert a recording.
2. Press **F.F.** or **REWIND** button as required to select desired recording. Press “**PLAY**” button and decide where you want to insert the recording.
3. Press **MENU/FOLDER** button as required until “**INSERT ?**” appears in the display.
4. If the file is too large to insert a recording, **LARGE FILE** appears in the display. Large files cannot be edited in the recorder; please use the FMS software.
5. Press **ENTER/INDEX** button to confirm and begin making recording.
6. The red **LED** will light and the remaining recording time as well as “**INSERT REC**” will alternately flash in display.
7. Press **STOP** button when you have finished making recording. “**WAIT...**” will appear momentarily prior to returning to idle mode.

Appending Recording

A new recording can be inserted at the end of an existing recording.

1. Press **MENU/FOLDER** button as required to select folder containing recording to be appended.
2. Press **F.F.** or **REWIND** button as required to select desired recording. Press “**PLAY**” button to start playback.
3. Press **MENU/FOLDER** button as required until “**APPEND ?**” appears in display.
4. Press **ENTER/INDEX** button to confirm. The red **LED** will light, and you can start recording.
5. The remaining recording time as well as “**APPEND REC**” will alternately

appear in display while recording.

6. Press **STOP** button when you have finished recording. The remaining recording time will be briefly displayed.
7. When recordings are played back, “**WAIT...**” will appear momentarily in the display.

Telephone Line Recording

The recorder must be inserted into Docking Station to record from the telephone line. The internal microphone is disabled while in docking station.

NOTE: Do not engage the File Manager software when recording from the telephone line. While recorder is in **USB MODE**, all buttons are disabled and will not record.

IMPORTANT: Do not use this recorder on a party line, since it will record the conversation of all parties. This would be unlawful. Federal law requires the consent of all parties in a conversation before the conversation can be recorded. Check your state and local regulations for further guidelines.

Manual Telephone Recording

If the VOX feature is turned off, the recorder must be manually started and stopped when recording telephone conversations.

1. Insert recorder into the docking station. The recorder will automatically detect the docking station.
2. Please refer to directions for manual recording found in a previous section of this manual.

Automatic Telephone Recording

If the VOX feature is turned on, the recorder will automatically record all telephone conversations.

1. Insert recorder into docking station. The recorder will automatically detect

the docking station.

2. The recorder will start recording only when the signal level from telephone line is large enough to activate the VOX function.
3. The current recording is considered to be ended when the VOX is not activated for fifteen (15) seconds or more. The record counter will increase by one and is ready to record the next telephone conversation.
4. Please refer to the directions for Automatic Recording found in a previous section of this manual.

Playing Back Recordings

Please see directions regarding setting playback mode in a previous section of this manual. Set playback mode to play back one or all recordings.

1. Press **MENU/FOLDER** button as required to select desired folder. Press **PLAY** button to start playback of recordings. If nothing happens, there are no recordings to play back.
2. During playback, press **F.F.** button to play next recording or press **REWIND** button to play previous recording.
3. Press **+ VOLUME** or **- VOLUME** button as required to adjust speaker sound level.
4. Press and hold **PLAY** button for at least two seconds to pause playback. Press **PLAY** button again to resume playback.
5. During playback, the recording playback speed can be increased or decreased by alternately pressing **PLAY** button.
6. Press **DISPLAY** button as required to display recording time, remaining recording time, or date and time of recording.
7. During playback, press and hold **F.F.** button. Playback will stop and fast forward towards end of recording.
8. The recording time counter display will advance rapidly. Playback is not heard during fast forward. Release **F.F.** button to continue playback.
9. If **F.F.** button is not released by end of recording, two beeps will be heard and recorder will fast forward to next recording.
10. If recording contains an index mark, playback will pause one (1) second to

display the index mark.

11. During playback, press and hold **REWIND** button to fast rewind. Playback will stop and fast rewind to previous recordings.
12. Release **REWIND** button to return to play mode. Steps 6 through 9 above are the same except are based on using the **REWIND** button.

Repeat Playback

During playback, a recording can be played back continuously.

1. Press **PLAY** button to start play back. Press **MENU/FOLDER** button, "**REPEAT ?**" will appear in display.
2. Press **ENTER/INDEX** button to select the beginning of repeat playback.
3. Press **MENU/INDEX** button to select the ending of repeat playback.
4. Press **ENTER/INDEX** button to start repeat playback.
5. The repeat playback icon will appear in display. Press **STOP** button when desired to cancel repeat playback.



Intro Playback

Introductory playback is used to review the first three seconds of each recording within the same folder.

1. Press and hold **PLAY** button to start introductory playback. "**INTRO PLAY**" will appear. Recorder will playback first three seconds of recording.
2. Press **PLAY** button to quit introductory playback and listen to recording.
3. If a recording is not selected, introductory playback mode will automatically cancel after last recording.

Index Marks

Index marks provide quick access to selected parts of recordings during playback. A maximum of sixteen (16) index marks can be set for each message.

1. During record or playback, press **ENTER/INDEX** button to insert an index mark at the desired location.
2. The "**INDEX**" icon will flash. "**MK**" and the recording time location will display for two (2) seconds.
3. During playback, press **F.F.** or **REWIND** button to locate next or previous index mark.
4. When "**INDEX**" icon is displayed, press **ERASE** button to delete an index mark. "**ERASE MARK**" will appear briefly in display.
5. During playback, press and hold **F.F.** button. Playback will pause for one (1) second when next or previous index mark is located.
6. Release **F.F.** button to resume playback.

Erasing Recordings

Any recording within a folder can be selected for erasure.

1. While in idle mode, select the folder containing the recording to be erased. Select the recording to be erased.
2. Press and hold **ERASE** button until "**ERASE IT ?**" is displayed. To cancel, press **STOP** button, "**CANCEL**" will appear.
3. Press **ERASE** button to confirm. "**ERASE DONE**" will appear in display confirming erasure.

Erasing Sections of Recordings

Sections of recordings can be selected during playback and erased.

1. Select recording for partial erasure, then press **PLAY** button to playback.
2. Press **ERASE** button to select start of erasure. "**CS**" short for (cut start) will be displayed.
3. If the file is too large to erase recorded sections, **LARGE FILE** will be displayed. Large files cannot be edited in the recorder; please use the FMS software.
4. Press **ERASE** button again to select end of erasure. "**CE**" short for (cut end) will flash in display and playback will pause.
5. Press **ERASE** button to confirm erasure or **STOP** button to cancel. "**CUT DONE**" will appear in display and playback will continue.

Erasing All Recordings within Folder

All recordings within a selected folder can be erased simultaneously.

1. Select folder containing recordings to be erased. Press and hold **ERASE** button (about 3 seconds) until "**DEL-FOLD ?**" appears in display.
2. To cancel erasure, press **STOP** button until "**CANCEL**" is displayed. Press **ERASE** button to continue erasing all recordings within folder.
3. "**WAIT . . .**" will appear in momentarily indicating erasure is in process. "**ERASE DONE**" will appear confirming erasure.

Erasing All Recordings

All recordings within all folders can be erased simultaneously.

1. Press and hold **ERASE** button for at least 7 seconds until "**DEL-ALL ?**" is displayed. To cancel, press **STOP** button until "**CANCEL**" is displayed.
2. Press **ERASE** button to continue. "**WAIT . . .**" will appear briefly in display during erasure.
3. "**ERASE DONE**" will appear confirming all recordings in all folders have been erased.

Moving Recordings between Folders

Recordings can be moved from one folder to another folder.

1. Select recording to be moved, then press **PLAY** button. Press **MENU/FOLDER** button as required until "**MOVING?**" appears in the display.
2. Press **ENTER/INDEX** button to confirm, press **F.F.** or **REWIND** button as required to select target folder.

3. If the file is too large to insert a recording, **LARGE FILE** will appear in display. Large files cannot be edited in the recorder; please use the FMS software.
4. Press **STOP** button to cancel or press **ENTER/INDEX** button to confirm.
5. **"WAIT . . ."** will appear in display while file is being moved.

Using an Earphone

For private listening, use the supplied ear bud type earphone.

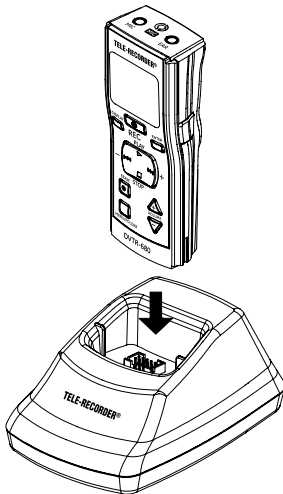
IMPORTANT: *To protect your hearing, follow these guidelines when you use earphones.*

1. Plug the ear bud into recorder **EAR** jack. The internal speaker will be automatically muted.
2. Set **- VOLUME** button to lowest setting before beginning to listen. Then adjust volume to a comfortable level.
3. Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.

F Using the Docking Station

The recorder must be inserted in the docking station to record from the telephone line or communicate with your PC.

1. Take care when inserting the recorder into the docking station.
2. Notice that there are guide slots in the docking station. The guides mate with grooves on both sides of the recorder.
3. Align the recorder grooves with the docking station slots to provide the correct starting angle when inserting the recorder.
4. Do not try to force the recorder into docking station. Improper insertion can cause damage to the connector pins located in the docking station.
5. When the recorder is properly inserted, the docking icon will appear in the display during idle mode.



G Software Installation

File Manager Information

The File Manager is used to exchange files, information between the recorder and PC as well as perform various editing functions.

1. Download voice data files from the recorder to PC.
2. Upload voice data files to the recorder from PC.
3. Upload date/time and settings to the recorder from PC.
4. Voice data file player allows playback of recordings using a PC.
5. Integrated recording editor with waveform display.
6. Copy recordings as well as cut and paste parts of recordings.
7. Convert voice data file format files to WAV file format.
8. Convert WAV file format files to voice data file format.

Minimum Computer Hardware Requirements Minimum

Computer:	IBM PC/AT compatible PC
OS:	Microsoft Windows 98SE/Me/2000 Professional/XP Professional, Home Edition
CPU:	Intel Pentium 166 MHZ processor or higher
RAM:	64MB or more
Free hard disk space:	10MB or more
Drive:	CD-ROM drive
Sound card:	Installed
Audio output:	Speakers connected
Display:	1024 x 768 pixels, 256 colors or more
USB port:	One free port

File Manager Installation

1. Insert File Manager CD into PC CD-ROM drive. In a few seconds, the installation wizard will appear and guide you through the installation.
2. If the installation wizard does not start, click on the setup.exe file found on the CD to start installing USB driver and program files.
3. A **DVTR-680 File Manager Software** directory will be created in your **Program Files** directory. All installed files are in this directory.
4. Click on **"Finish"** to complete installation. Refer to the **"Help File"** included on the DVTR-680 installation CD for additional information.

USB Driver Installation

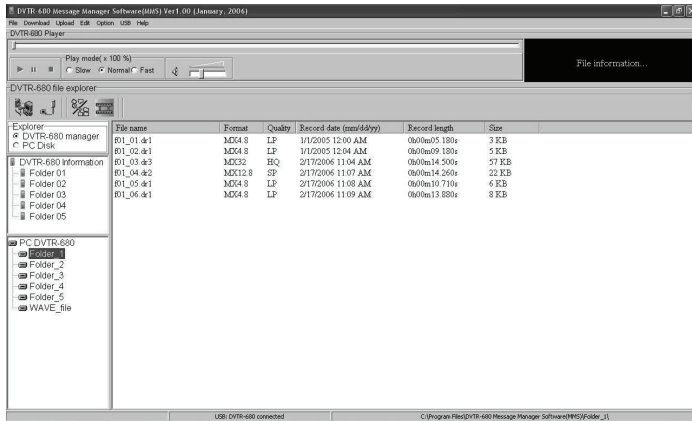
1. Connect the recorder (directly or via the docking station) to an available USB port on PC. The **"add new hardware wizard"** should start.
2. The PC should detect the recorder as a USB device when connected for the first time.
3. If your PC has sound capability, a double beep will be heard each time the recorder is connected or disconnected from the computer.
4. Click **"Next"** on PC screen to proceed with installation. Select **"Search for the best driver for your device. (Recommended)"**.
5. Click **"Next"** to specify a location. Enter the drive letter of the CD ROM

drive, or click on "browse" to locate the requested file.

6. Once the file path has been entered in the box, click on **"Next"** to continue the installation.
7. Windows may display a message **"Building driver database"**, while locating the file.
8. Click on **"Next"** to install the device. Windows should display a message indicating the installation was successful.

Using the File Manager Program

The recorder communicates with your PC using supplied USB cable and File Manager software. Start the File Manager program by clicking on the **DVTR-680 Icon** located in Windows **Start/All Programs** or **Desk Top**.



1. Press **F11** key on PC keyboard to activate “**Auto Detect and Connect DVTR-680**” option.
2. Insert recorder into Docking Station or connect directly to PC via Mini-USB connector on right side of recorder.
3. “**USB MODE**” will appear in recorder display and “**Connect to DVTR-680**” will appear in PC display. Press **ENTER** key on PC keyboard to connect.
4. When finished using File Manager software, disconnect recorder by pressing **F6** key on PC keyboard.
5. “**Disconnect to DVTR-680**” will appear in PC display. Press **ENTER** key on PC keyboard.
6. The Auto Detect and Connect feature allows the recorder to be removed from Docking Station or Mini-USB plug to be removed without completing steps 4 and 5 above.
7. If you are not using Auto Detect and Connect feature, do remove the recorder from Docking Station or remove Mini-USB port cable prior to completing steps 4 and 5 above.

Recorder Settings

When the recorder is connected to the PC, the current date and time can be easily uploaded instead of using the recorder setup menu.

1. VOX set, Play and Record mode, MIC sensitivity, LCD contrast can be viewed, changed, and updated without using recorder setup menu.
2. Information is obtained from recorder by clicking on **USB-DVTR680** information directories using a mouse or by pressing **F7** key on PC keyboard.
3. Click on Explorer box to choose **DVTR-680 File Manager** or **PC Disk**.

Using the DVTR-680 File Manager

Files stored in the recorder cannot be edited or modified. All editing and conversion of files is done to duplicate files downloaded to your PC.

1. Select the DVTR-680 manager to view the five folders and the files contained within them in the DVTR-680 recorder. Click on the desired DVTR-680 folder or files to download to PC.

Using the PC Disk

Five sub directory folders were created within the PC during software installation to store files downloaded from the recorder.

1. Files can be deleted, copied, cut and renamed. Select desired file then right click on the desired function on the pull down menu.
2. Selected files can be copied, or deleted within folders. Select desired file, then right click on the desired function on the pull down menu.
3. Files can be moved from the present folder to a selected folder by dragging the selected file to the desired folder.

Downloading Files from Recorder

Click on any folder within the DVTR-680 group to download files from the recorder to the PC. Three download options are available.

1. Select **ALL FOLDERS** option to download all files in all folders. Select **FOLDER** option to download all files in selected folder. Select **FILE** option to download the selected file.

Using the PC Disk Explorer

Use the **PC Disk Explorer** to browse PC file folders. Four icons, Download, Upload, File Converter, or File Editor provide quick access these functions.

Using the DVTR-680 File Player

Use the DVTR-680 file player to playback files downloaded from the recorder or compatible files located elsewhere in your computer.

1. Three recorder file formats (**LP**, **SP**, and **HQ**) including standard **WAV** file format can be played back.
2. When a file is selected for playback, the file name, format, record quality, record date and recording length will be displayed in the file list box.
3. Start playback by clicking on the **PLAY** icon. Playback can be paused or stopped by clicking on the **Pause** or **Stop** icon.
4. Select **Slow**, **Normal** or **Fast** during playback using option setting window.
5. During playback, click on speaker icon to mute and un-mute playback.
6. Use left mouse button to click and hold the Speaker Volume slider. Move slider left or right as required to adjust the playback sound level.
7. The **Seek Bar** visually indicates current playback percentage and location. Right click on **Seek Bar** as required to change playback location.

Using the File Format Converter

The file format converter is useful to convert 8 kHz 16 bit WAV files to DVTR-680 file format, or to convert DVTR-680 file format to WAV file format.

1. Larger size WAV format files can be converted to the smaller size DVTR-680 file format to save hard disk space.

Using the File Editor

The advanced file editor can be used to edit DVTR-680 format files that have been downloaded from the recorder as well as standard WAV files.

1. Use left mouse button to select and open the advanced file editor from the top task bar.
2. Select desired function from the editor task bar. Choices include cutting, deleting, copying, pasting, or saving selected recordings.
3. Recordings can be played back while their waveform displayed.

Uploading from PC to Recorder

Only DVTR-680 format files can be uploaded from the PC to the recorder. Three upload options are available.

1. Select **ALL FOLDERS** option to upload all files in all folders. Select **FOLDER** option to upload all files in the selected folder. Select **FILE** option to download a selected file.

H Care and Maintenance

Your DVTR-680 Digital Voice Tele-Recorder® is designed to give years of trouble free service. Please read the following maintenance instructions.

1. Keep the recorder dry. If it gets wet, wipe it dry immediately. Liquids can contain minerals that can corrode the electronic circuits.
2. Handle the recorder gently and carefully. Dropping it can damage the circuit boards which can cause it to malfunction
3. Store recorder in normal temperatures. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.
4. Wipe the recorder with a damp cloth to keep it looking new.
5. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the recorder.
6. Use fresh batteries, old or weak batteries can leak chemicals that can destroy electronic circuits.

I Questions and Answers

The recorder display is blank or faint.

1. Check that the two batteries are installed correctly.
2. Check if batteries require replacement.
3. Check if display contrast adjusted is adjusted too low.

The recorder does not respond when the buttons are pressed.

1. The **Normal/Hold** switch maybe in **Hold** position. Move to **Normal** position.

Unable to make a recording.

1. The recorders memory is full or folder message counter is full.

The recorder does not stop recording in automatic record mode when there is silence.

1. The Mic Sensitivity is set too high, or the background noise level may be equal to the sound source being recorded. Try decreasing the Mic Sensitivity until recording stops.
2. Manual record mode may have to be used instead of automatic record mode.

The recorder does not start recording in automatic record mode when there is sound.

1. The microphone sensitivity level is set too low, try increasing the level.
2. The level of the sound source is low. Get closer to the sound source.
3. Try recording in manual record mode.

J FCC Statement

This equipment complies with Part 68 of the FCC Rules and the requirements adopted by the ACTA. On the **bottom** of this equipment is a label that contains, among other information, a product identifier in the format **US:AAAEQ##TXXXX**. If requested, this number must be provided to the telephone company.

b) An applicable certification jacks Universal Service Order Codes (USOC) for the equipment is provided (i.e., **RJ11C**) in the packaging with each piece of approved terminal equipment.

c) A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

d) The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format **US:AAAEQ##TXXXX**. The digits represented by **##** are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

e) If this DVTR-680 equipment cause's harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

f) The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide ad-

vance notice in order for you to make necessary modifications to maintain uninterrupted service.

g) Should you experience trouble with this equipment, please contact Daval Technologies LLC, PO Box 27, Chappaqua, New York, 10514, Tel: 914-251-9220 for repair or warranty information. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

WARNING: *Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

h) Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alternate or repair any parts of device except specified.

i) Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

j) **NOTICE:** If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this **US:RNAKXNANDDVTR-680** equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

NOTICE: According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrestor is recommended.

Applicable for Coin or Pay Phone Only

To comply with state tariffs, the telephone company must be given notification prior to connection for customer-owned coin or credit card phone. In some states, the state public utility commission, public service commission or corporation commission must give prior approval of connection.

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 needed.

Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003. This product meets the applicable Industry Canada technical specifications.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

L Limited Warranty

- A. Daval Technologies warrants that the DVTR-680 sold by Daval Technologies LLC within the continental limits of the United States, Hawaii and Alaska, are free from defects in materials and workmanship under normal use and service for one (1) year.
- B. This warranty is applicable only to the original purchaser of the DVTR-680, when accompanied by a sales receipt stating the date of purchase and name of the company from which purchased. This warranty is in lieu of and excludes all other warranties, expressed or implied, including any implied warranty of merchantability or fitness, and of any other obligation on the part of Daval Technologies LLC.
- C. If the DVTR-680 shall prove to be defective, then Daval Technologies LLC shall either replace or repair the DVTR-680 at its discretion as follows:
1. At no cost to the original purchaser except shipping charges, within 90 days of the date of purchase.
 2. Warranty service for your DVTR-680 is provided by Daval Technologies LLC. From 91 days to 365 days, you may return the DVTR-680 to Daval Technologies LLC at the following address:
- Daval Technologies LLC**
PO Box 27
Chappaqua, New York 10514
Tel: 914-251-9220
- C. Shipping charges are at the customer's expense. Please include a copy of your sales receipt and a check or money order made out to Daval Technologies LLC for the amount of \$7.50 to cover shipping and handling.
- D. There is no informal dispute settlement mechanism available.

- E. Some states do not allow limitations on how long an implied warranty lasts and or do not allow the exclusions or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you.
- F. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
- G. This warranty does not extend to any DVTR-680 sold by Daval Technologies LLC which has been subjected to misuse, neglect, accident, improper application, improper installation or to use in violation of the instructions furnished by Daval Technologies LLC. This warranty does not extend to or apply to any DVTR-680 which has been repaired or altered by any persons who have not been expressly approved by Daval Technologies LLC.
- H. Daval Technologies LLC shall not be liable for any special or consequential damages or for loss or expense directly or indirectly arising from use of the products or any inability to use them either separately or in combination with other equipment or product accessories or from any other cause.
- I. Daval Technologies reserves the right to make changes in the design of the DVTR-680 and to make additions or improvements to the DVTR-680 without incurring any obligation to modify any DVTR-680 previously sold.

K Specifications

Power Requirements	Two AAA 1.5V batteries or; optional docking station AC power adapter rated at: 120VAC to 6VDC 300mA, center positive, 10 mm LONG x 5 mm OD x 2 mm ID plug
Battery Life	Approximately 14 hours in playback mode set at medium volume level using alkaline batteries
Microphone jack	Φ3.5mm, mono, impedance 2KΩ
Earphone jack	Φ3.5mm, mono, impedance 8 Ω or more
Built-in speaker	Φ28mm, 8Ω dynamic speaker
Microphone	Built-in electret condenser microphone
Maximum output power	110mW, THD = <10%
Frequency Response	300~3150Hz
Recording time	HQ mode about 120 minutes SP mode about 340 minutes LP mode about 880 minutes
VOX Cut Off Time	3 Seconds, ± 1 Second
USB	Miniature USB connector
Docking connector	10 pin
Dimensions	3.87 x 1.5 x .875 inches
Weight (with batteries)	2.6 oz

Specifications and product designs are subject to change without notice.