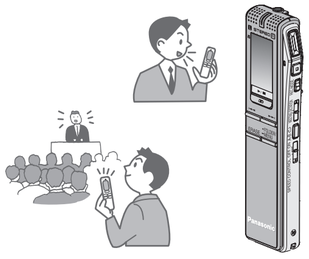


Panasonic

Operating Instructions
IC Recorder

Model No. **RR-US050**

Dear customer

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.
Before connecting, operating or adjusting this product, please read the instructions completely.
Please keep this manual for future reference.

E

Matsushita Electric Industrial Co., Ltd.
Web Site: http://www.panasonic.co.jp/global/

En

RQT8098-B
H0205TA0

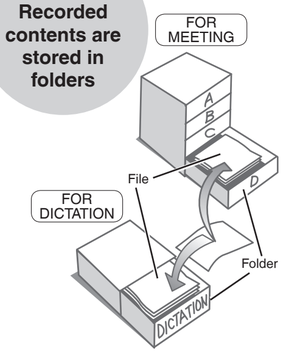
Before use

Hint 1
Release hold before use

- There is no power button.
- After use, switching to hold is recommended to save the batteries and prevent accidental operations. (The display will turn off.)

- **Press [■ STOP] to stop the operation midway/ cancel the setting.**
- **The unit returns to standby if there is no operation during each setting after 10 seconds have elapsed.**

Hint 2
Recorded contents are stored in folders



- A maximum of 99 files can be stored in each folder.

Hint 3
Important business → Meeting recording
Urgent business → Dictation recording

MEETING RECORDING

- By combining settings, you can record the sound that best suits your needs.

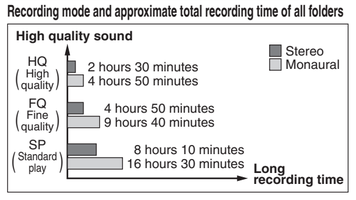
DICTATION RECORDING

- Because the settings are automatically set, you can record easily to take notes.

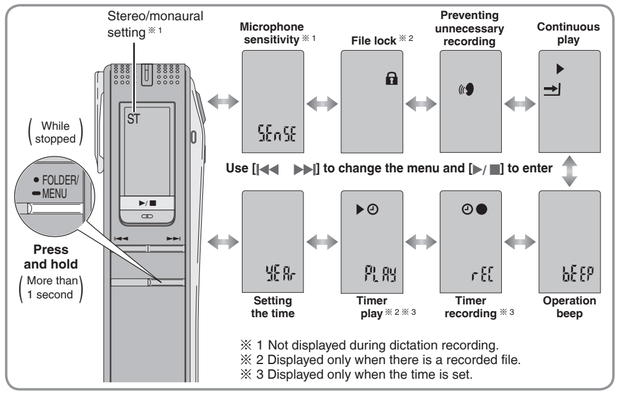
Combining stereo/monaural, microphone directional and microphone sensitivity

Recording settings \ Microphone sensitivity	HI (Distance)	LO (Close)
Stereo	Large-scale meeting etc.	A language lesson etc.
Monaural **Microphone directional [OFF]** (multiple sound sources)	A normal meeting etc.	A symposium etc.
Monaural **Microphone directional [ON]** (one-way sound source)	A lesson, lecture etc.	An interview during a meeting etc.

Recording mode and approximate total recording time of all folders



Menu display



※ 1 Not displayed during dictation recording.
※ 2 Displayed only when there is a recorded file.
※ 3 Displayed only when the time is set.

Supplied accessories

Stereo earphones.....(L0BAB0000172)
CD-ROM (Voice Editing Ver.1.0 Professional Edition)
USB cable..... (K1HA09BD0001)
Dictation cord..... (K2KC2CA00003)

- Use numbers indicated when asking for replacement parts. (Product numbers correct as of February 2005. These may be subject to change.)

Sales and Support Information
(For the United Kingdom and Republic of Ireland)

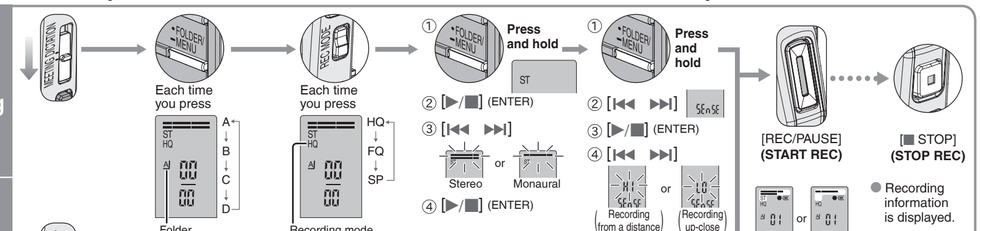
Customer Care Centre
- For UK customers: 08705 357357
- For Republic of Ireland customers: 01 289 8333
- Visit our website for product information
- E-mail: customer.care@panasonic.co.uk

Direct Sales at Panasonic UK
- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care Centre Monday-Friday 9:00am-5:30pm. (Excluding public holidays)
- Or go on line through our Internet Accessory ordering application at www.panasonic.co.uk
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products, take a browse on our website for further details.

Recording

1 Select meeting or dictation recording
2 Select the folder
3 Select the recording mode
4 Select stereo or monaural
5 Select the microphone sensitivity
6 Recording

Meeting recording



(⇨ refer to "Recording mode and approximate total recording time of all folders" on page 3)

Dictation recording

(When dictation recording, the following settings are automatically set.)

Dictation folder — HQ mode — Monaural recording — Dictation recording mode

- Recording information is displayed.
  (Recording date) ↓ (Recording start time) ↓ (Recording time) ↓ (Total number of files)
- Press to pause recording. Press again to restart the same file.

■ **To record a one-way sound source more clearly** (microphone directional)

- Is effective with dictation recording or monaural sound.

■ **To listen to the recorded audio**

➡ Use the included stereo earphones.
(⇨ refer to "Other play methods" on page 4)

Other recording methods

Preventing unnecessary recording (VAS: voice activated system)

Recording automatically pauses when there is no sound.

1 **Enter the menu mode** 2 **Select "🎙"** 3 **Select "On"**

■ **To turn the function off** ➡ Select "OFF" in step 3.

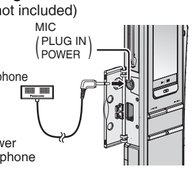
! Turn the function off when recording important files.
! The first three seconds (approximately) are always recorded.

■ **Checking the remaining available recording time**

- Press again to return to the elapsed recording time display.

! Available recording time also appears when the remaining time becomes very short.

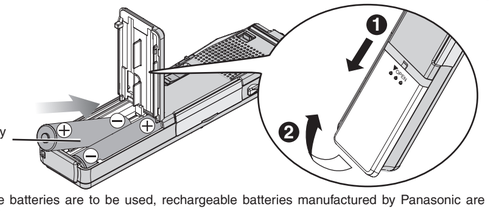
■ **Recording through an external microphone** (not included)



Plug type: 3.5 mm stereo (The built-in microphone switches off.)

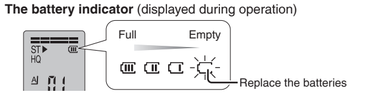
Use a plug in power compatible microphone stereo.

Preparation 1 Inserting batteries



- If rechargeable batteries are to be used, rechargeable batteries manufactured by Panasonic are recommended.
  (Rechargeable batteries may not last as long as regular batteries.)

The battery indicator (displayed during operation)



- Replace the batteries within 30 seconds to preserve the settings. The clock however will stop until the batteries have been inserted. Recordings remain intact.

Preparation 2 Setting the time

- When the year is flashing (e.g. 2005 on the display), begin from step 1 below.
- **While setting the time, the clock will return to standby if there is no operation after 10 seconds have elapsed.** If this happens set again from the start.

Flashes until the time is set.

- The clock has a monthly accuracy of +/– 60 seconds at room temperature.

1 Enter the menu mode — Press and hold FOLDER/ MENU. Stereo/monaural setting: ST
- A menu is displayed. (⇨ refer to "Menu display" on page 4)

2 Select "YEAr" — Use [|◄◄ ►►|] to select YEAr → [►/■] (ENTER)

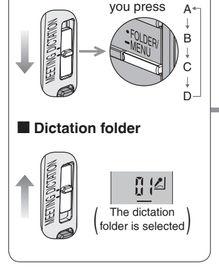
3 Set the time
- ■ Year — Use [|◄◄ ►►|] to select 2005 → [►/■] (ENTER)
- ■ Month — Use [|◄◄ ►►|] to select → [►/■] (ENTER)
- ■ Day — Use [|◄◄ ►►|] to select → [►/■] (ENTER)
- ■ Time display (12/24H) — Use [|◄◄ ►►|] to select 24H → [►/■] (ENTER)
- ■ Time — Use [|◄◄ ►►|] to select 0:00 → [►/■] (ENTER)

Playing/Erasing

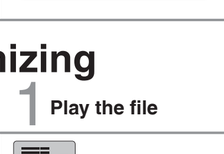
1 Select the folder
2 Select file or folder
3 Play/Erase

Playing

■ **A-D folder**



■ **Dictation folder**



Play → Use [|◄◄ ►►|] to select → [►/■] (PLAY)

File number

After selecting, information at the time of recording is displayed.

■ **To adjust the volume**
Increase 20
Decrease 0

Erasing

Erase → ERASE Press and hold → Use [|◄◄ ►►|] to select
- ■ Selected file
- ■ All files in a folder
- ■ All folders

→ ERASE (ERASE)

! You cannot restore files you erase.

■ **Basic operations during play**

Play/Stop
- While stopped, press again to begin play from where last stopped.

Stop
Forward
- Press to go to the beginning of the next file.
- Press and hold to search.

Backward
- Press to return to the beginning of the file. (Press twice to return to the previous file)
- Press and hold to search.

Organizing

1 Play the file
2 Enter the move mode
3 Select the destination folder
4 Move

Move

Press and hold FOLDER/ MENU → Use [|◄◄ ►►|] to select → [►/■] (ENTER)

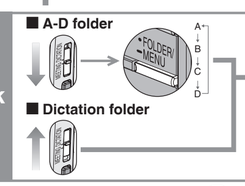
Destination folder
Number of files in destination folder

! You cannot move a file from A-D folder to dictation folder, however you can move it from dictation folder to A-D folder.

1 Select the folder
2 Select the file
3 Enter the menu mode
4 Select "🔒"
5 Lock

File lock

■ **A-D folder**



■ **Dictation folder**

Use [|◄◄ ►►|] to select → Press and hold FOLDER/ MENU → Use [|◄◄ ►►|] to select → [►/■] (ENTER) → [►/■] (LOCK)

■ **To unlock** ➡ Do the above steps and select the file to unlock in step 2.

Other play methods

Plays the files in the folder continuously (Continuous play)

1 **Enter the menu mode** 2 **Select "►, ⮓"** 3 **Select "On"**

Press and hold FOLDER/ MENU → [|◄◄ ►►|] → [►/■] (ENTER) → [|◄◄ ►►|] → [►/■] (ENTER)

■ **To turn the function off** ➡ Select "OFF" in step 3.

To play a file repeatedly (File repeat play)

1 **Select the file** 2 **Set repeat** 3 **Play**

[►/■] Press and hold → [►/■] (PLAY)

■ **To turn the function off**
➡ Press [►/■] once to stop. Then press and hold [►/■] until "↻" disappears on the display.

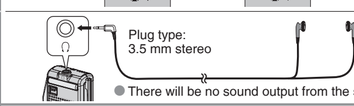
To play one segment of a file repeatedly (A-B repeat play)

1 **Play the file** 2 **Set the start point (A)** 3 **Set the end point (B)** ■ **To turn the function off** ➡

Press → Press → Press

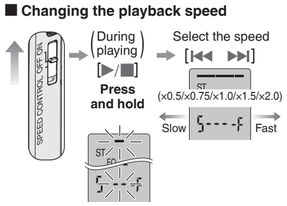
- "A-B↻" disappears on the display.

Listening with the earphones



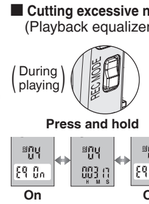
- There will be no sound output from the speaker.

■ **Changing the playback speed**



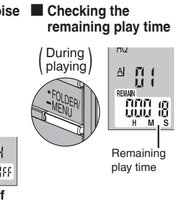
- **To return to normal playback speed** ➡ Move [SPEED CONTROL] to [OFF].

■ **Cutting excessive noise** (Playback equalizer)



- **To check the current mode** ➡ Press [REC MODE] briefly.

■ **Checking the remaining play time**



- Press again to return to the elapsed play time display.

Using the timer

Timer recording

Preparation: Select the folder and recording mode (⇨ refer to “Recording” on pages 2, 3)

1 Enter the menu mode ➡ **2 Select “⏲●, rEC”** ➡ **3 Set the time**

Press and hold [FOLDER/MENU] ➡ [|◀◀ ▶▶|] ➡ [▶/■] (ENTER)

① **Use [|◀◀ ▶▶|] to select “On”** ➡ [▶/■] (ENTER)

② **Use [|◀◀ ▶▶|] to select the start time** ➡ [▶/■] (ENTER)

③ **Use [|◀◀ ▶▶|] to select the end time** ➡ [▶/■] (ENTER)

Timer play

Preparation: Select the file (⇨ refer to “Playing” on pages 2, 3)

1 Enter the menu mode ➡ **2 Select “▶⏲, PLAY”** ➡ **3 Set the time**

Press and hold [FOLDER/MENU] ➡ [|◀◀ ▶▶|] ➡ [▶/■] (ENTER)

① **Use [|◀◀ ▶▶|] to select “On”** ➡ [▶/■] (ENTER)

② **Use [|◀◀ ▶▶|] to select the start time** ➡ [▶/■] (ENTER)

■ **To cancel the timer** ➡ Select “OFF” in step 3- ① .

■ **To confirm the set time** ➡ From the menu (⇨ refer to “Menu display” on page 4), select “⏲●, rEC” or “▶⏲, PLAY” and press [▶/■].

! Even when “↻” or “▶, ⇄” are displayed during timer play, the continuous play and file repeat play functions cannot be used.

Various functions

Cancelling the operation beep

1 Enter the menu mode ➡ **2 Select “bEEP”** ➡ **3 Select “OFF”**

Press and hold [FOLDER/MENU] ➡ [|◀◀ ▶▶|] ➡ [▶/■] (ENTER) ➡ [|◀◀ ▶▶|] ➡ [▶/■] (ENTER)

■ **To turn operation beep on** ➡ Select “On” in step 3.

Preventing accidental button presses (HOLD)

In order to prevent accidental operations while recording or while stopped, button operations are ignored.

Move up

■ **To release**

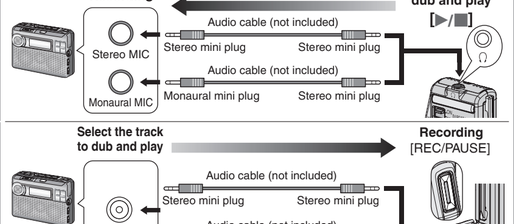
Move down

● “ho ld” is displayed if a button is pressed while hold is on.

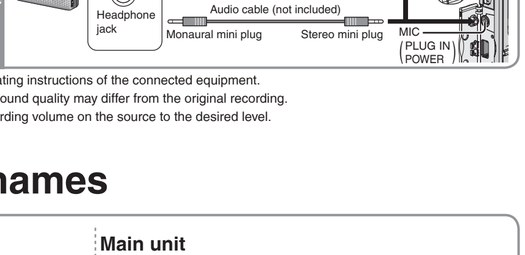
● After use, switching to hold is recommended to save the batteries. (The display will turn off.)

Connecting to other equipment

Recording to a cassette tape recorder etc.



Recording from a cassette tape recorder etc.



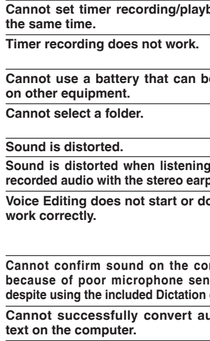
● Read the operating instructions of the connected equipment.

● The recorded sound quality may differ from the original recording.

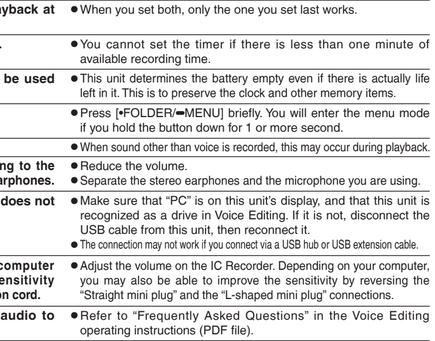
● Adjust the recording volume on the source to the desired level.

Part names

Display



Main unit



Using the unit with a computer

(You can save and edit sound files, convert sound to text and have text read aloud using the included software.)

1 Install Voice Editing.

① **Start Windows.**

② **Insert the included CD-ROM into your computer's CD-ROM drive.**
The program installer starts automatically.
- When the installer does not automatically start
From the “Start” menu click on “Run...”.
Type “ ※ :\Launcher\VEdV1Launcher.exe” and click on “OK”.
※ is the CD-ROM drive ID.

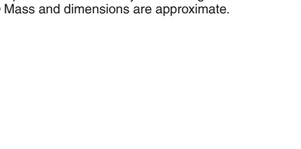
③ **Follow the on-screen instructions.**
- The voice recognition engine and text to speech engine should start installing while Voice Editing is being installed.
If they do not start installing, open the CD-ROM drive. Double click on
“ ※ :\SAPI5\SAPI5_Common.msi” and
“ ※ :\SAPI5\SAPI5_English.msi※1” to install the voice recognition engine.
After it is installed, double click on
“ ※ :\Speech\RealSpeak_Solo_Common_for_Panasonic.msi” and
“ ※ :\Speech\RealSpeak_Solo_English_for_Panasonic.msi※1” to install the text to speech engine.
(The order can be reversed.)
※ is the CD-ROM drive ID.
※1 Double-click your preferred language icon.

Note
- If DirectX 8.1 or later is not installed on your computer, follow the instructions that appear on-screen.
- Adobe Acrobat Reader is necessary to view the operating instructions (PDF file).
If Adobe Acrobat Reader is not installed on your computer, it is automatically installed at the same time as Voice Editing. Depending on the computer, an Adobe Acrobat Reader restart message may appear.
Ignore this and continue installing Voice Editing.

④ **Click “Finish” from the Installshield Wizard Complete screen.**
Selecting “Yes, I want to restart my computer now” automatically re-starts the computer and completes installation.

2 Connect this unit to a computer with the USB cable.

This unit cannot be operated.



! Connect one IC Recorder only while using Voice Editing. This software does not support simultaneous use of multiple IC Recorders.

When connected to a computer “PC” appears, and when transferring data “PC” flashes.

! Do not disconnect the USB cable while this is flashing.

Caution
Use only the included USB cable with a ferrite core when connecting to computer.

3 Starting Voice Editing.

Double click on the “Voice Editing” icon on the desktop.
After double clicking, follow the on-screen instructions.

Using the operating instructions (PDF file)
From the Windows “Start” menu, click on “All programs” ➔ “Voice Editing” ➔ “Voice Editing Operating Instructions” or from the “Help (H)” menu in the Voice Editing main screen, click on “Operating Instructions (H)”.

Voice Editing

■ Converting sound to text

Connect this unit to a computer with the supplied Dictation cord to convert audio spoken into the microphone to text.

Note
- Uninstall the following before installing Voice Editing Ver.1.0 (included).
You cannot install two versions of Voice software on the same computer.
- Voice Editor 3 - Voice Editor 2 - SD Voice Editor Ver.1.x
- Previous versions of Voice Editing software (for Panasonic IC Recorder RR-US360/RR-US361)
- Other editions of Voice Editing Ver.1.0
- Sound files made with previous versions will remain intact, but you should back them up to be sure.

System Requirements

You will need an IBM PC/AT compatible personal computer with the following attributes or equivalent, and the following software and hardware in order to use this application.

OS : Microsoft® Windows® 98 Second Edition
Microsoft® Windows® Millennium Edition
Microsoft® Windows® 2000 Professional ※
Microsoft® Windows® XP Home Edition/Professional ※

※ Only available when the user is logged in as the system administrator (Windows® 2000 / Windows® XP only)

- This software is not compatible with Microsoft Windows® 3.1, Windows® 95, Windows® 98 (except for Windows® 98 SE) and Windows NT®.
- Operation is not guaranteed on an upgraded OS.
- This software is not Macintosh compatible.

Hardware :
CPU : Windows® 98 SE / Windows® Me : Intel® Pentium® II 333 MHz or higher
Windows® 2000 / Windows® XP : Intel® Pentium® III 500 MHz or higher
RAM : Windows® 98 SE / Windows® Me : 128 MB or more
Windows® 2000 / Windows® XP : 256 MB or more
Free hard disk space :
100 MB or more
- Approximately 25 MB of additional free hard disk space when installing Acrobat® Reader® (included).
- Approximately 50 MB of additional free hard disk space when installing DirectX® 9.0c (included).
- Approximately 45 to 60 MB of additional free hard disk space per language when installing the voice recognition engine (included).
- Approximately 40 to 100 MB of additional free hard disk space per language when installing the text to speech engine (included).
- Additional free hard disk space may be necessary depending on the Windows® version and voice file being used.
- Temporary additional free hard disk space may be necessary when using the Waveform feature function, voice recognition function, text to speech function, CD-R writing function (Windows® XP only) and sound recorder function.

Drive : CD-ROM drive (for installation)
CD-R/RW drive (required to use the CD-R writing function in Windows® XP)
Sound : Windows compatible sound device
Display : High Color (16 bit) or more. Desktop resolution of 800 × 600 pixels or more.
(1024 × 768 pixels or more recommended)
Interface :USB port (Operation cannot be guaranteed if you use a USB hub or extension cable.)
Other requirements :
Mouse or equivalent pointing device

Note
- This software is not compatible with a multi-CPU environment.
- This software is not compatible with a multi-boot environment.
- This software may not run properly on 64-bit computers.
- Even if the system requirements mentioned in these operating instructions are fulfilled, some personal computers can not be used.
- This software may not run properly on home-made computers.
- The voice recognition engine and text to speech engine are installed on the same drive (usually the C:drive) as the OS.
- The Chinese voice recognition engine can be used only with a Chinese operating system.
- The operating system must support the language used by the voice recognition engine and text to speech engine in order to run them.

Necessary software :
DirectX® 8.1 or later / Internet Explorer 5.5 or later

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Care and Use

To reduce risk of radio interference caused by headphone-, earphone- or microphone cable, only use adequate accessories with cable length less than 3 m.

■ Unit

- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long period of time with doors and windows closed.
- To avoid product damage, do not expose this product to rain, water or other liquids.
- The unit's speaker does not have magnetic shielding. Do not place the unit near televisions, personal computers, magnetized cards (bank cards, commuter passes) or other devices easily influenced by magnetism.

■ Batteries

- Do not peel off the covering on batteries and do not use if the covering has been peeled off.
- Align the poles ⊕ and ⊖ correctly when inserting the batteries.
- Do not mix different types of batteries or old and new batteries.
- Remove the batteries if the unit is not to be used for a long time.
- Do not throw into fire, short-circuit, disassemble or subject to excessive heat.
- Do not recharge dry cell batteries.
- Battery mishandling can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire. If electrolyte leaks from the batteries, consult your dealer. Wash thoroughly with water if electrolyte comes in contact with any part of your body.
- Keep out of the reach of small children. Accidental swallowing of batteries can result in stomach and intestinal damage.

■ Allergies

Discontinue use if you experience discomfort with the earphones or any other parts that directly contact your skin. Continued use may cause rashes or other allergic reactions.

■ Precautions for listening with the Headphones or Earphones

- Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce volume or discontinue use.
- Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
- Even if your headphones or earphones are the open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

Maintenance

If the surfaces are dirty, wipe this unit with a soft, dry cloth.
- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

Troubleshooting Guide

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated in the chart do not solve the problem, consult your dealer for instructions.

Symptom	Checkpoints
No operation.	● Make sure the batteries are correctly inserted. ● You cannot operate when the unit is connected to a computer. (⇨ page 7)
Operation is not possible when “hold” appears on the display.	● The hold function is on. (⇨ page 5)
“U01” appears on the display.	● The battery has run down.
“2005” flashes.	● Set the time. (⇨ page 1)
“EE:EE” is displayed. **Available recording time does not increase correspondingly after erasing files.**	● This can occur after repeatedly recording and erasing files. Unlock all your files, then erase all folders to remedy this. (⇨ pages 2, 3)
There is no sound from the earphone or it is difficult to hear or noisy.	● Ensure the plug is inserted firmly. ● Wipe the plug clean.
Recording stops.	● VAS (⇨ page 4) may have functioned.
“– – – –” appears instead of the recording date.	● Set the time. (⇨ page 1)
Playback speed is too fast or slow.	● Set play speed to normal. (⇨ page 4)
“FULL” appears.	● There are 99 files in the folder. ● There is no remaining recording time. -Erase unneeded files.
No sound from the speaker.	● There is no sound when you have connected earphones.
Cannot erase a file or folder.	● The file is locked. (⇨ pages 2, 3) ● The folder is already empty.
Cannot move a file.	● You cannot move files to folders that already contain 99 files. ● You cannot move files from A-D folder to Dictation folder. (⇨ pages 2, 3)
A recording disappeared.	● Recordings can disappear if the unit receives a shock (e.g. it is dropped), or the batteries come out during recording.
Cannot set timer recording/playback.	● You can set the timers within 24 hours of the current time. ● Set the time. (⇨ page 1)
Timer recording/playback does not work.	● The settings are cancelled if the batteries are removed and the clock settings clear.
Cannot set timer recording/playback at the same time.	● When you set both, only the one you set last works.
Timer recording does not work.	● You cannot set the timer if there is less than one minute of available recording time.
Cannot use a battery that can be used on other equipment.	● This unit determines the battery empty even if there is actually life left in it. This is to preserve the clock and other memory items.
Cannot select a folder.	● Press [•FOLDER/➡MENU] briefly. You will enter the menu mode if you hold the button down for 1 or more second.
Sound is distorted.	● When sound other than voice is recorded, this may occur during playback.
Sound is distorted when listening to the recorded audio with the stereo earphones.	● Reduce the volume. ● Separate the stereo earphones and the microphone you are using.
Voice Editing does not start or does not work correctly.	● Make sure that “PC” is on this unit's display, and that this unit is recognized as a drive in Voice Editing. If it is not, disconnect the USB cable from this unit, then reconnect it. ● The connection may not work if you connect via a USB hub or USB extension cable.
Cannot confirm sound on the computer because of poor microphone sensitivity despite using the included Dictation cord.	● Adjust the volume on the IC Recorder. Depending on your computer, you may also be able to improve the sensitivity by reversing the “Straight mini plug” and the “L-shaped mini plug” connections.
Cannot successfully convert audio to text on the computer.	● Refer to “Frequently Asked Questions” in the Voice Editing operating instructions (PDF file).

Specifications

Power output:	350 mW (max.)
Frequency response:	280 Hz – 5,200 Hz (HQ mode) 270 Hz – 3,400 Hz (FQ/SP mode)
S/N:	35 dB (Stereo/HQ mode)
Jack:	
Output jack;	Earphone, 3.5 mm; 0.5 mW + 0.5 mW 16 Ω
Input jack;	Mic, 3.5 mm; 0.56 mV plug in power
Speaker:	20 mm 8 Ω
Power requirement:	DC 3 V (2 AAA/LR03 size batteries)
Dimensions (W×H×D):	
Max dimensions;	32.5 mm × 118.8 mm × 15.9 mm
Cabinet dimensions;	29.8 mm × 118.5 mm × 14.2 mm
Mass:	
with batteries;	61 g
without batteries;	38 g
Operational temperature range:	0 °C – 40 °C
Battery life:	[When used at 25 °C on a flat, stable surface]

Batteries	Mode	Stereo/Monaural	Playback	Recording
Panasonic alkaline batteries	HQ	Stereo	10 hours 30 minutes	13 hours 30 minutes
		Monaural	12 hours	16 hours 30 minutes
	FQ/SP	Stereo	13 hours	17 hours
		Monaural	13 hours 30 minutes	22 hours

The battery life may be less depending on the operating conditions.

Note:
- Specifications are subject to change without notice.
- Mass and dimensions are approximate.

ONLY FOR AUSTRALIA/NEW ZEALAND

WARRANTY

1. The product is warranted for labour and parts for twelve (12) months from the date of purchase.
2. This Warranty is for normal domestic use only and excludes any defect or injury caused by or resulting from misuse, abuse, neglect, accidental damage, improper voltage, vermin infestation or any alteration which affects the reliability or performance of the unit, not attributable to faulty manufacture, parts and labour.
3. This warranty does not cover the following items unless fault or defect being complained of existed at the time of purchase.
(a) Video or Audio Tapes.
(b) Video or Audio Heads and Stylus resulting from wear and tear in normal use.
(c) Shaver Heads or Cutters.
(d) Cabinet parts.
(e) Batteries.
4. If warranty service is required you should :
- Contact your nearest Panasonic Authorised Service Centre.
- Enclose a copy of your purchase receipt as proof of date of purchase.
- Send or bring the product to Panasonic Authorised Service Centre. Warranty does not include any freight to and from the user or insurance so please arrange this yourself.
- Note that home service is available for following products in the Metropolitan area or the normal operating areas of the nearest Authorised Service Centres.
Television Receivers (screen size greater than 39 cm)
Electronic Organs or Pianos
Microwave Ovens
Washing Machines
Air Conditioners
5. The warranties hereby conferred do not extend to any costs associated with the delivery, handling, freighting or transportation of the product or any part thereof or replacement of and do not extend to any damage or loss occurring during, or associated with, transit.

Unless otherwise specified to the consumer the benefits conferred by this express warranty are additional to all other conditions, warranties, guarantees, rights and remedies expressed or implied by the Trade Practices Act 1974 and similar consumer protection provisions contained in legislation of the States and Territories and all other obligations and liabilities on the part of the manufacturer or supplier and nothing contained herein shall restrict or modify such rights, remedies, obligations or liabilities.

THIS WARRANTY CARD SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

IF YOU REQUIRE ASSISTANCE REGARDING WARRANTY CONDITIONS,
OR ANY OTHER ENQUIRIES, PLEASE TELEPHONE:

PANASONIC CUSTOMER CARE CENTRE 132 600

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