

The clock has a monthly accuracy of +/- 60 seconds at room temperature When replacing the batteries, the clock stops and restarts when you reinsert them and close the battery cover. $\bigcirc 1$

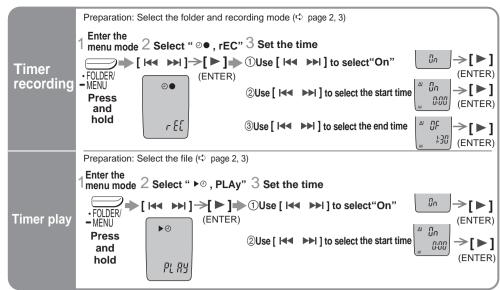
2

The recorded sound quality may differ from the original recording. Adjust the recording volume on the source to the desired level.



3

Using the timer

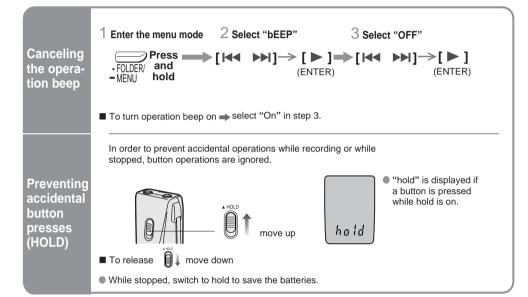


■ To cancel the timer → select "OFF" in step 3-①-

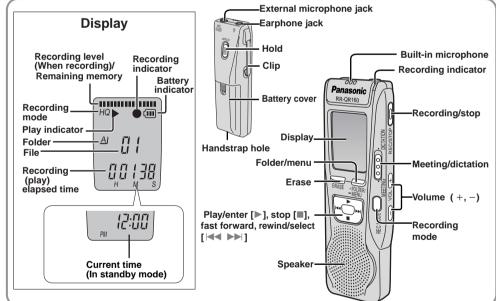
■ To confirm the set time → From the menu (☆ page 4), select " ☉ ● , rEC" or " ▶ ☉ , PLAy" and press [▶].

! Even when "℃" or "► 🖆 are displayed during timer play, the repeat play or continuous play cannot be used.

Various functions



Part names



Troubleshooting Guide

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, see "Product information" on page 8 for assistance.

Symptom	Checkpoints	
No operation.	 ●The hold function is on. (⇔ page 5) ●Make sure the battery cover is closed. ●Make sure the batteries are correctly inserted. ●Make sure the battery cover is attached to the rubber strap 	
"U01" appears on the display.	 The battery has run down. 	
"2004" flashes.	●Set the time. (➪ page 1)	
There is no sound from the earphone or it is a difficult to hear or noisy.	Ensure the plug is inserted firmly.Wipe the plug clean.	
Recording stops.	●VAS (I 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. (r¹/₂ page 2, 3) 	
No sound from the speaker.	 There is no sound when you have connected an earphone. 	
Cannot erase a file or folder.	 The file is locked. (\$\sigma page 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 the dictation folder. (r\$ page 3) 	
A recording disappeared.	•Recordings can disappear if the unit receives a shock (e.g. it is dropped), or if the batteries and cover come loose during recording.	
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.	
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 canceled 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 2 or more seconds. 	
	seconds.	

Maintenance

To clean this unit, wipe 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.

Specifications

without batteries;

Operational temperature range

	300 mW (max.) Hz – 5,100 Hz (HQ mode)	Battery life: [When used at	25 °C (7	7 °F) on a flat, s	table surface]
S/N: Jack:	230 Hz – 3,400 Hz (FQ/SP mode) 36 dB (HQ mode)		mode	Play back	Recording
Output jack; Earphone, 3.5	mm (1⁄8 in.); 0.5 mW 16 Ω	Panasonic alkaline	HQ	About 10 hours	About 15 hours
Input jack; Mic, 3.5 mm (1/ ₈ Speaker:	, 3.5 mm (1⁄8 in.); 0.56 mV plug in power 28 mm (1 3⁄42 in.) 8 Ω		FQ/SP	About 12 hours	About 20 hours
Power requirement:	DC 3 V size (LR03, AM-4) batteries	•The battery life may be less depending on the operating conditions.			
Dimensions (W×H×D):		Note:			
Max dimensions;	$35.0 imes 99.6 imes 24.0$ mm (1 ${}^3_8 imes 3$ ${}^{29}_{32} imes$ ${}^{15}_{16}$ in.)	Specifications are subject to change without notice.Mass and dimensions are approximate.			
Cabinet dimensions;	32.8 \times 99.3 \times 22.5 mm (1 $^{9}\!$				
Mass: with batteries;	About 61 g (2.2 oz.)				

About 38 g (1.4 oz.)

0 °C – 40 °C (32 °F – 104 °F)

Limited Warranty Coverage be made by the warranto

Product or Radio, Clock Radio, Ra Recorder, Portable CD Headphone Stereo, Tap Rechargeable batter defective item) SD Memory Card (in ex

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty excludes both parts and labor for batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

20421 84th Avenue South Kent, WA 98032

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at: http://www.panasonic.com/support or, contact us via the web at: http://www.panasonic.com/contactinfo You may also contact us directly at 1-800-211-PANA (7262), Monday–Friday 9 am–9 pm; Saturday–Sunday 10 am–7 pm, EST.

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Care and Use

Unit

together.

magnetism

Batteries

ing the batteries

new batteries.

Allergies

- 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 the
- doors and windows closed. •To avoid product damage, do not expose this product to rain, water or other liquids. • Do not keep this unit and magnetized cards
- (bank cards, commuter passes, etc.) close •The speaker does not have magnetic shielding.
- Do not place it near televisions, personal computers or other devices easily influenced by
- •Do not peel off the covering on batteries and do not use if the covering has been peeled off. •Align the poles \oplus and \bigcirc correctly when insert-
- Do not mix different types of batteries or old and
- •Remove the batteries if you do not intend to use the unit for a long time.
- •Do not throw into fire, short-circuit, disassemble, or subject to excessive heat. • Do not attempt to recharge dry cell batteries.
- Mishandling of batteries 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.
- 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.



EA

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 us

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 situa-

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.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

- To establish a safe level: • Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound Leave it there.

Product service

- 1. Damage requiring service—The unit should be serviced by qualified service personnel if: (a) Objects or liquids have gotten into the unit; or
- (b) The unit has been exposed to rain: or
- (c) The unit does not operate normally or exhibits a marked change in performance; or d) The unit has been dropped or the cabinet damaged.
- 2. Servicing—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel. 3. Replacement parts—When parts need replacing ensure the servicer uses parts specified by the
- manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- 4. Safety check—After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

Product information

For product information or assistance with product operation: In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or the website http://www.panasonic.com/contactinfo, or the website (http://www.panasonic.com/support). In Canada, contact the Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or visit the website (www.panasonic.ca), or an authorized Servicentre closest to you.

> The serial number of this product can be found on the back of the cassette compartment cover or inside the battery compartment. Please note it in the space provided below and keep as a permanent record of your purchase to aid identification in the event of theft. SERIAL NUMBER

User memo:

DATE OF PURCHASE **DEALER NAME**

DEALER ADDRESS

TELEPHONE NUMBER

ONLY FOR U.S.A.

Panasonic Consumer Electronics Company, **Division of Matsushita Electric Corporation of America** One Panasonic Way Secaucus, New Jersey 07094

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc.,

Panasonic Audio Products Limited Warranty

If your product listed below does not work properly because of a defect in materials or workmanship. Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will

or Part Name	Parts	Labor
adio with Tape Player or Player, IC Recorder, pe Recorder, Speaker	One (1) Year	One (1) Year
ies (in exchange for	Ten (10) Days	Not Applicable
change for defective	Ninety (90) Days	Not Applicable

To obtain service in the U.S.A. please contact:

Panasonic Services Company, Panasonic Plus Department

Tel: 1-800-833-9626 Fax: 1-800-237-9080

For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910. When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone number where you can be reached.

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/Factory Servicenter: Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985 Phone (787) 750-4300, Fax (787) 768-2910





Ave. 65 de Infantería, Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE".THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAM-AGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer, loss of or damage to

media or images, data or other memory or recorded content. The items listed are not exclusive, but are for illustration only.)

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state

to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

http://www.pasc.panasonic.com

or, send your request by E-mail to: npcparts@panasonic.com

You may also contact us directly at: 1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday–Friday 9 am to 8 pm, EST.) Panasonic Services Company

20421 84th Avenue South, Kent, WA 98032 (We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)