



**Panasonic**

**Operating Instructions**  
**IC Recorder**

Model No. **RR-QR170**

**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.



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**Panasonic Consumer Electronics Company,**  
**Division of Panasonic Corporation of North America**  
One Panasonic Way Secaucus, New Jersey 07094  
<http://www.panasonic.com>  
**Panasonic Puerto Rico, Inc.**  
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RQT8525-P  
F1205TH0

**Before use**

**Hint 1**  
Release hold before operation

There is no power button.

**Hint 2**  
Recorded contents are stored in folders

For MEETING: A, B, C, D

For DICTATION: File, Folder

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

Buttons: Hold, Folder/menu, Erase, Play/enter, stop, fast forward, rewind/select, Recording/stop, Meeting/dictation, Volume (+, -), Recording mode

Warning: The unit returns to standby if there is no operation after 10 seconds have elapsed. Press [ ] to stop the operation midway/cancel the setting.

**FCC 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:

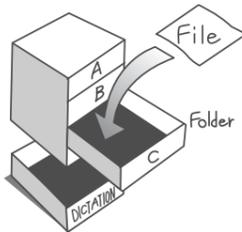
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

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.

Responsible Party:  
Panasonic Corporation of North America  
One Panasonic Way  
Secaucus, NJ 07094  
Telephone No.: 1-800-211-7262

**Recording**



**1 Select meeting or dictation recording**   **2 Select the folder**   **3 Select the recording mode**

**Meeting recording:** MEETING → FOLDER/MENU → Folder (A, B, C, D) → REC MODE → HQ, FQ, SP

**Dictation recording:** DICTATION → FOLDER/MENU → Dictation folder (When dictation folder is set) → REC MODE → HQ (When HQ mode is set)

**Preparation 1 Inserting batteries**

AAA, LR03 battery (not included)

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

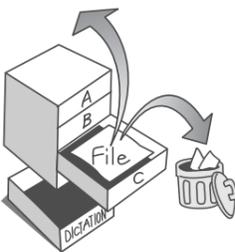
**The battery indicator (displayed during operation)**

Full → Empty

Replace the batteries

• Replace the batteries within 30 seconds to preserve the settings. Recordings remain intact.

**Playing/Erasing**   **1 Select the folder**   **2 Select file or folder**



**Playing:** MEETING → FOLDER/MENU → Folder (A, B, C, D) → Use [ ] to select → File number → After selecting, information at the time of recording is displayed.

**Erasing:** DICTATION → FOLDER/MENU → Dictation folder (The dictation folder is selected) → ERASE → Press and hold → Use [ ] → Selected files, All files in a folder, All folders

! You cannot restore files you erase.

**Preparation 2 Setting the time**

Flashes until the time is set.

• When the year is flashing (e.g. 2005), begin from step 3 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.

**1 Enter the menu mode** → Press and hold [ ] → E.g.: Microphone sensitivity

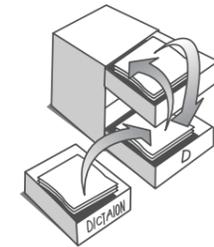
**2 Select "yEAR"** → Use [ ] to select → [ ] (ENTER)

**3 Set the time**

- Year: Use [ ] to select → [ ] (ENTER)
- Month: Use [ ] to select → [ ] (ENTER)
- Day: Use [ ] to select → [ ] (ENTER)
- Time display (12/24H): Use [ ] to select → [ ] (ENTER)
- Time: Use [ ] to select → [ ] (ENTER)

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.

**Organizing**



**1 Play a file**   **2 Enter the move mode**   **3 Select the destination folder**

**Move:** (Play the file you want to move) → Press and hold [ ] → Use [ ] → Destination folder → Number of files in destination folder

**1 Select the folder**   **2 Select the file**   **3 Select the recording mode**

**File lock:** MEETING → FOLDER/MENU → Dictation folder → Use [ ] to select → [ ]

**Hint 3**  
Use HQ to record with high sound quality and SP for long recordings

**Hint 4**  
Change the microphone sensitivity according to the distance

When recording close to the source: **LO**

When recording the source from a distance: **HI**

**Recording mode and recording time total of all folders**

Recording Mode	Long recording time
SP (Standard play)	16 hours 30 minutes
FQ (Fine quality)	9 hours 40 minutes
HQ (High quality)	4 hours 50 minutes

High quality sound

### Menu display

File lock<sup>2</sup> Preventing unnecessary recording Play speed Continuous play

Use [ ] to change the menu and [ ] to enter

Setting the time Timer play<sup>3</sup> Timer recording<sup>3</sup> Operation beep

E.g.: Microphone sensitivity<sup>1</sup>

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

### 3 Select the recording mode 4 Select the microphone sensitivity 5 Recording (Monaural recording)

Press and hold [FOLDER/MENU] → [ ] (Enter) → [ ] (Enter) → [ ] (Enter)

Recording mode: HQ, FQ, SP

Microphone sensitivity: HI (Recording from a distance), LO (Recording up-close)

Following settings are automatically set:  
 - HQ mode is set  
 - Dictation recording mode is set

(START REC) (STOP REC)

Recording information is displayed:  
 - (Recording date)  
 - (Recording start time)  
 - (Recording time)  
 - (Total number of files)

## 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"

Press and hold [FOLDER/MENU] → [ ] (ENTER) → [ ] (ENTER)

■ To turn the function off → select "OFF" in step 3.  
 ! Turn the function off when recording important files.  
 ! The first 3 seconds will always be recorded.

### Checking the remaining recording time available

During recording: [FOLDER/MENU] → [ ] (ENTER) → [ ] (ENTER)

Available recording time

### Recording through an external microphone (not included)

Plug type: 3.5 mm (1/8 in.) monaural (The built-in microphone switches off.)  
 Use a plug-in power compatible microphone monaural.

### 3 Play/Erase

Basic operations during play

Play: Press and hold to turn one file repeat play On/Off. You cannot use repeat when setting continuous play.

Backward: Press to return to the beginning of the file. Press twice to return to the previous file. Press and hold to search.

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

Stop play: (Press [ ] to resume play.)

Listen to the first 5 seconds of each file (Intro scan)

1 Select the folder → 2 Press and hold [ ] (Press again to return to normal play)

! Repeat play settings are automatically canceled.

Use [ ] to select [ ] (Play)

To adjust the volume (0-20): VOL

Use [ ] to select ERASE (Erase)

Selected file: [ ]  
 All files in a folder: [ ]  
 All folders: [ ]

## Other play methods

### Changing the play speed (5 levels)

1 Enter the menu mode 2 Select "SPEED" 3 Select the speed

Press and hold [FOLDER/MENU] → [ ] (ENTER) → [ ] (ENTER)

■ To return to normal play: While stopped, press and hold (more than 3 seconds) [ ] → [ ]

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)

! Repeat play settings are automatically canceled.  
 ■ To turn the function off → select "OFF" in step 3.

### Displaying the remaining play time

During playing: [FOLDER/MENU] → [ ] (ENTER) → [ ] (ENTER)

Remaining play time

### Listening with the earphones (not included)

Plug type: 3.5 mm (1/8 in.) monaural

### 3 Select the destination folder 4 Move

Use [ ] to select [ ] (ENTER)

! You cannot move a file from A-D folder to the dictation folder.

### 3 Enter the menu mode 4 Select " " 5 Lock

Press and hold [FOLDER/MENU] → Use [ ] to select [ ] (ENTER) → [ ] (ENTER)

! To unlock → Do the above steps and select the file to unlock in step 2.

## Saving (dubbing)

### Recording to a cassette tape recorder

Select the file to dub and play → Recording

Audio cable (not included): Monaural mini plug, Stereo mini plug, Monaural mini plug, Monaural mini plug

Recording: Stereo MIC, Monaural MIC

### Recording from a cassette tape recorder

Recording → Select the track to dub and play

Audio cable (not included): Monaural mini plug, Stereo mini plug, Monaural mini plug, Monaural mini plug

Recording: Headphone jack

! Read along with the operating instructions of equipment you are connecting.  
 ! The recorded sound quality may differ from the original recording.  
 ! Adjust the recording volume on the source to the desired level.



## 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 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 together.
- The speaker does not have magnetic shielding. Do not place it near televisions, personal computers 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 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.
- 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.

—If you see this symbol—



**Information on Disposal in other Countries outside the European Union**  
This symbol is only valid in the European Union.  
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

### ■ Listening caution



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.

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 level:

- 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: Refer to "Customer Services Directory" on page 7.

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.

MODEL NUMBER RR-QR170

SERIAL NUMBER \_\_\_\_\_

### User memo:

DATE OF PURCHASE \_\_\_\_\_

DEALER NAME \_\_\_\_\_

DEALER ADDRESS \_\_\_\_\_

TELEPHONE NUMBER \_\_\_\_\_

Panasonic Consumer Electronics Company,  
Division of Panasonic Corporation of North America  
One Panasonic Way Secaucus, New Jersey 07094

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

## Panasonic Audio Products Limited Warranty

### Limited Warranty Coverage

If your product listed below does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Puerto Rico, Inc. (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 be made by the warrantor.

Product or Part Name	Parts	Labor
Radio, Clock Radio, Radio with Tape Player or Recorder, Portable CD Player, IC Recorder, Headphone Stereo, Tape Recorder	One (1) Year	One (1) Year
Rechargeable batteries (in exchange for defective item)	Ten (10) Days	Not Applicable
SD Memory Card (in exchange for defective item)	Ninety (90) Days	Not Applicable

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.

### To obtain service in the USA please contact:

Panasonic Services Company, Panasonic Plus Department  
20421 84th Avenue South  
Kent, WA 98032  
Tel: 1-800-833-9626 Fax: 1-800-237-9080

For assistance in Puerto Rico call Panasonic Puerto Rico, Inc. (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.

### 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/consumersupport>

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

### 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 DAMAGES 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@us.panasonic.com](mailto:npcparts@us.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)

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

### Service in Puerto Rico

Panasonic Puerto Rico, Inc.

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

Phone (787) 750-4300, Fax (787) 768-2910