



Panasonic

**Operating Instructions
IC Recorder**

Model No. **RR-QR180**

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.



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

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3
www.panasonic.ca

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Printed in Japan

RQT8526-P
F1205TH0

Before use

Hint 1
Release hold before operation

Hold

There is no power button.

Hint 2
Recorded contents are stored in folders

For MEETING

For DICTATION

File

Folder

Recording/stop

Meeting/dictation

Volume (+, -)

Recording mode

Folder/menu

Erase

Play/enter [▶], stop [■], fast forward, rewind/select [◀▶]

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

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

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

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.

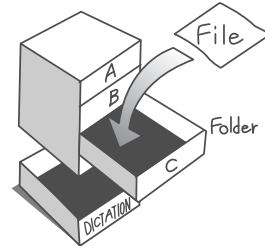
Responsible Party:

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

This statement is applied to only Canada

This Class B digital apparatus complies with Canadian ICES-003.

Recording



1 Select meeting or dictation recording

2 Select the folder

3 Select the recording mode

MEETING

DICTATION

REC MODE

Each time you press

Folder

Recording mode

When dictation recording, the following settings are displayed:

(Dictation folder is set)

(HQ mode is set)

Dictation folder

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)

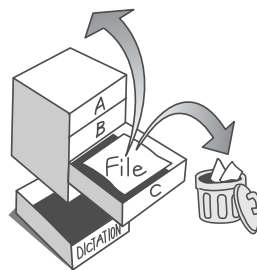
Full

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

Erasing

A-D folder

Dictation folder

Use [◀▶] to select

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

File number

Press and hold

Use [■]

Selected

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. 2006), 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 [FOLDER/MENU]

E.g.: Microphone sensitivity

SEn SE

A menu is displayed.

2 Select "yEAR"

Use [◀▶] to select

YE Ar

[▶] (ENTER)

3 Set the time

Year Use [◀▶] to select

2006

[▶] (ENTER)

Month Use [◀▶] to select

12

[▶] (ENTER)

Day Use [◀▶] to select

12

[▶] (ENTER)

Time display (12/24H) Use [◀▶] to select

12H

[▶] (ENTER)

Time Use [◀▶] to select

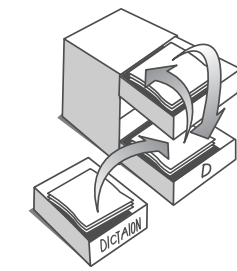
9:00

[▶] (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 [FOLDER/MENU]

Use [◀▶]

Destination folder

Number of files in destination folder

1 Select the folder

2 Select the file

3 Select the recording mode

A-D folder

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	Sound Quality
SP (Standard play)	66 hours 50 minutes	Standard
FQ (Fine quality)	39 hours	Fine
HQ (High quality)	19 hours 30 minutes	High

High quality sound

Menu display

(While stopped)

Use [FOLDER/MENU] to change the menu and [ENTER] to enter

Press and hold (More than 2 seconds)

E.g.: Microphone sensitivity

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)

Each time you press [FOLDER/MENU] → [ENTER] → [HI/LO] → [ENTER]

Press and hold [FOLDER/MENU] → [ENTER] → [HI/LO] → [ENTER]

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

Following settings are automatically set:
(HQ mode is set)
(Dictation recording mode is set)

Other recording methods

Preventing unnecessary recording

Recording automatically pauses when there is no sound.

1 Enter the menu mode → 2 Select "On" → 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: Press [FOLDER/MENU] → [ENTER] → [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.

Backward: Press to return to the beginning of the file.

Forward: Press to go to the beginning of the next file.

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

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

1 Select the folder → 2 Press and hold [ENTER]

Repeat play settings are automatically canceled.

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]

Plays the files in the folder continuously.

Continuous play

1 Enter the menu mode → 2 Select "On" → 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: Press [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 [FOLDER/MENU] to select → [ENTER]

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

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

Press and hold [FOLDER/MENU] → Use [FOLDER/MENU] 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

Recording → Select the track to dub and play

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

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.

Using the timer

Timer recording

Preparation: Select the folder and recording mode (⇄ page 2, 3)

- Enter the menu mode
- Select "●●, rEC"
- Set the time

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 (⇄ page 2, 3)

- Enter the menu mode
- Select "▶●, PLAY"
- Set the time

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 (⇄ 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

Canceling the operation beep

- Enter the menu mode
- Select "bEEP"
- Select "OFF"

Press and hold [] → [] → [] (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.

● "hold" is displayed if a button is pressed while hold is on.

■ To release → move down

● While stopped, switch to hold to save the batteries.

Part names

Display

Recording level (When recording)/ Remaining memory

Recording indicator

Battery indicator

Recording mode

Play indicator

Folder

File

Recording (play) elapsed time

Current time (In standby mode)

External microphone jack

Earphone jack

Hold

Clip

Battery cover

Handstrap hole

Display

Folder/menu

Erase

Play/enter [], stop [], fast forward, rewind/select []

Speaker

Built-in microphone

Recording indicator

Recording/stop

Meeting/dictation

Volume (+, -)

Recording mode

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, refer to the "Customer Services Directory" on page 7 if you reside in the U.S.A., or refer to the "Product information" on page 8 if you reside in Canada.

Symptom	Checkpoints
No operation.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> The battery has run down.
"2006" flashes.	<ul style="list-style-type: none"> Set the time. (⇄ page 1)
"EE:EE" is displayed. Available recording time does not increase correspondingly after erasing files.	<ul style="list-style-type: none"> This can occur after repeatedly recording and erasing files. Unlock all your files, then erase all folders to remedy this.
There is no sound from the earphone or it is difficult to hear or noisy.	<ul style="list-style-type: none"> Ensure the plug is inserted firmly. Wipe the plug clean.
Recording stops.	<ul style="list-style-type: none"> VAS (⇄ page 4) may have functioned.
"- - -" appears instead of the recording date.	<ul style="list-style-type: none"> Set the time. (⇄ page 1)
Playback speed is too fast or slow.	<ul style="list-style-type: none"> Set play speed to normal. (⇄ page 4)
"FULL" appears.	<ul style="list-style-type: none"> There are 99 files in the folder. There is no remaining recording time. Erase unneeded files. (⇄ page 2, 3)
No sound from the speaker.	<ul style="list-style-type: none"> There is no sound when you have connected an earphone.
Cannot erase a file or folder.	<ul style="list-style-type: none"> The file is locked. (⇄ page 2, 3) The folder is already empty.
Cannot move a file.	<ul style="list-style-type: none"> You cannot move files to folders that already contain 99 files. You cannot move files from A-D folder to the dictation folder. (⇄ page 3)
A recording disappeared.	<ul style="list-style-type: none"> Recordings can disappear if the unit receives a shock (e.g. it is dropped), or if the batteries and cover come loose during recording.
Cannot set timer recording/playback.	<ul style="list-style-type: none"> You can set the timers within 24 hours of the current time. Set the time. (⇄ page 1)
Timer recording/playback does not work.	<ul style="list-style-type: none"> The settings are canceled if the batteries are removed and the clock settings clear.
Cannot set timer recording/playback at the same time.	<ul style="list-style-type: none"> When you set both, only the one you set last works.
Timer recording does not work.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Press [FOLDER/ MENU] briefly. You will enter the menu mode if you hold the button down for 2 or more seconds.
Sound is distorted.	<ul style="list-style-type: none"> When sound other than voice is recorded, this may occur during playback.

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

Power output: 300 mW (max.)

Frequency response: 240 Hz – 5,100 Hz (HQ mode)
230 Hz – 3,400 Hz (FQ/SP mode)

S/N: 36 dB (HQ mode)

Jack: Output jack; Earphone, 3.5 mm (1/8 in.); 0.5 mW 16 Ω
Input jack; Mic, 3.5 mm (1/8 in.); 0.56 mV plug in power 28 mm (1 3/8 in.) 8 Ω

Speaker: DC 3 V

Power requirement: 2 AAA size (LR03) batteries

Dimensions (W×H×D):
Max dimensions; 35.0 mm × 99.6 mm × 24.0 mm (1 3/8 × 3 29/32 × 1 9/16 in.)
Cabinet dimensions; 32.8 mm × 99.3 mm × 22.5 mm (1 1/32 × 3 29/32 × 7/8 in.)

Mass:
with batteries; About 61 g (2.16 oz.)
without batteries; About 38 g (1.35 oz.)

Operational temperature range: 0 °C – 40 °C (32 °F – 104 °F)

Battery life: [When used at 25 °C (77 °F) on a flat, stable surface]

Batteries	mode	Play back	Recording
Panasonic alkaline batteries	HQ	About 10 hours	About 15 hours
	FQ/SP	About 12 hours	About 20 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.

Care

To reduce the risk of injury from headphones, use headphones for no more than 1 hour at a time.

- Unit**
 - Avoid using headphones for a long period of time.
 - Do not use headphones in the rain, water, or other wet conditions.
 - Do not use headphones if you are wearing cards, contact lenses, or other devices on your face.
 - Batteries**
 - Do not pierce the cover of the battery cover.
 - Align the polarity (+, -) correctly.
 - Do not mix different types of batteries.
 - Remove the batteries for a long time.
 - Do not touch the terminals of the battery cover.
 - Do not touch the terminals of the battery cover.
 - Mishandling of batteries can cause a fire or explosion.
 - Do not swallow batteries.
 - Keep out of reach of children.
 - Keep out of reach of children.
 - Allergies**
 - Discontinue use if you experience any allergic reactions or other symptoms.
 - Continued use may cause discomfort.
- If you see**
-

Panasonic Corporation
Division of Panasonic
One Panasonic Way

Limited Warranty
If your product is found to be defective within the warranty period, Panasonic will repair or replace the product at no charge. The warranty is void if the product has been damaged, altered, or misused.

Radio, Clock	Player, IC Recorder
Rechargeable	(in exchange)
SD Memory	(in exchange)

During the "Lab" warranty period, the warranty is void if the product has been damaged, altered, or misused.

To obtain service...

For assistance... When shipping, provide a day...

Customer Service
Obtain Product Accessory... <http://www.panasonic.com> or, contact <http://www.panasonic.com>. You may also call 1-800-332-2042 (We Accept Monday-Friday).

For hearing...

Limited Warranty
This warranty is a limited warranty. It does not cover damage to the product caused by misuse, accident, or other causes. THE WARRANTY IS VOID IF THE PRODUCT IS USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS DESIGNED. ALL EXPRESS WARRANTIES ARE HEREBY DISCLAIMED.

Some states or countries may have additional laws or regulations that apply to this warranty. This warranty is void if the product has been damaged, altered, or misused. Consumer Affairs Department, Panasonic Corporation.

Accessories

Purchase Product Accessory... <http://www.panasonic.com> or, send your request to: 1-800-332-2042, Panasonic Corporation, 20421 84th Avenue, (We Accept Monday-Friday).

For hearing...

Service information

Panasonic Corporation
Ave. 65 de la...
Phone (781)...

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:

- Objects or liquids have gotten into the unit; or
- The unit has been exposed to rain; or
- The unit does not operate normally or exhibits a marked change in performance; or
- 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., refer to "Customer Services Directory" on page 7.

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.

MODEL NUMBER RR-QR180

SERIAL NUMBER _____

User memo:

DATE OF PURCHASE _____

DEALER NAME _____

DEALER ADDRESS _____

TELEPHONE NUMBER _____

ONLY FOR U.S.A.

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

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

ONLY FOR CANADA

Panasonic Canada Inc.

PANASONIC/TECHNICS PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

Technics Audio Product
Panasonic Audio & DVD Product
Accessories including rechargeable batteries

One (1) year, parts and labour
One (1) year, parts and labour
Ninety (90) days

In-home Service will be carried out only to locations accessible by roads and within 50 km of authorized Panasonic service facility.

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

WARRANTY SERVICE

FOR PRODUCT OPERATION ASSISTANCE, please contact:

Our Customer Care Centre: Telephone #: (905) 624-5505
1-800 #: 1-800-561-5505
Fax #: (905) 238-2360
Email link: "Contact Us" on www.panasonic.ca

FOR PRODUCT REPAIRS, please locate your nearest Authorized Servicentre at www.panasonic.ca:

Link: "Servicentres" locator" under "Customer Support"

Panasonic Factory Service:

Richmond,
British Columbia
Panasonic Canada Inc.
12111 Riverside Way
Richmond, BC
V6W 1K8
Tel: (604) 278-4211
Fax: (604) 278-5627

Mississauga, Ontario
Panasonic Canada Inc.
5770 Ambler Dr.
Mississauga, ON
L4W 2T3
Tel: (905) 624-8447
Fax: (905) 238-2418

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton. Include details of the defect claimed, and proof of date of original purchase.