Panasonio



The model number a	nd serial number of this product can be found on either the
back or the bottom of	the unit.
Please note them in th	e space provided below and keep for future reference.
MODEL NUMBER	SV-

SERIAL NUMBER

PC (En) Ρ

Panasonic Consumer Electronics Company

Division of Matsushita Electric Corporation of America One Panasonic Way Secaucus, New Jersey 07094 http://www.panasonic.com/ **Panasonic Sales Company** Division of Matsushita Electric of Puerto Rico, Inc. ("PSC")

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

Model No.

SV-MP30V SV-MP20V Digital Audio Player Operating Instructions

Dear Customer

Thank you for purchasing this product.

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

Supplied accessories

Use numbers indicated when asking for replacements. 1 Pair of stereo earphones: LOBAB0000178 1 USB cable: K1HA05AD0001

Caution: Take care when using the neck

lanyard. If used improperly, it

1 CD-ROM (USB Driver) 1 Neck lanyard: VFC4028



can be a choking hazard. For the U.S.A: To order accessories contact 1-800-332-5368 or Web site (http://www.panasonic.com).

User memo	DATE OF PURCHASE DEALER NAME DEALER ADDRESS
	TELEPHONE NUMBER

Panasonic Canada Inc.

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

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RQTT0552-P M0903SF0

NORMAL/

SLOW 1/

SLOW 2

SPEED

 Windows Media Player 	These tables show the mode menu items available in the PLAYER, FM RADIO, and IC RECORDER modes.					
(recommended) Free download from:	PLA	/ER	FM RADIO		IC RECORDER	
http://www.microsoft.com/downloads/	Mode	Options	Mode	Options	Mode	Options
 Supports playback of MP3 and WMA 	SOUND	NORMAL/ ROCK/ JAZZ/ CLASSIC/		50 kHz/	RECORD	LP/ SP/ HQ
music files	COOND	POP/ USER (BASS, TREBLE)	BAND STEP	100 kHz/	ERASE	SINGLE TRACK/
 Built-in microphone for voice recording 	PLAY	NORMAL/ ONE REPEAT/		200 kHz		ALL
 Built-in FM tuner with recording function 	FLAT					

INFO.

ERASE

ALL REPEAT/ RANDOM

(TITLE/ ARTIST/ BIT RATE)

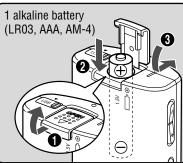
SINGLE TRACK/ PLAY LIST/ ALL

Information

 Built-in • Built-in FM tuner with recording function

- Portable data storage device (Plugs in directly to your PC)
- Each play list (PLAYER, FM RADIO, IC **RECORDER)** can contain up to 99 tracks.

Battery (not included)



Batterv indicator

Full

Empty: Replace with a fresh battery

If rechargeable batteries are to be used, rechargeable batteries manufactured by Panasonic are recommended.

· Microsoft, the Microsoft logo, the Windows, Windows logo. Windows NT and Windows Media are either trademarks or registered trademarks of Microsoft Corporation in the United States and other countries.



• WMA is a compression format developed by Microsoft Corporation. It achieves the same sound quality as MP3 with a file size that is smaller than that of MP3.

System Requirements

RECEPTION

OS: Microsoft® Windows® 98SE. Windows® Me.

Windows® 2000 Professional. Windows® XP Home Edition/Professional Drive: CD-ROM Drive

NORMAL/

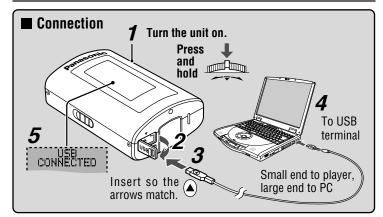
CITY

- The player and USB Driver cannot be used on Microsoft® Windows® 3.1, Windows® 95, Windows® 98, Windows NT® and Macintosh®. USB Driver:
- Operation on an upgraded OS is not guaranteed.
- Operation on an OS other than the one pre-installed is not guaranteed.
- Multi-CPU or Multi-boot environments are not supported.
- Only users having system administrator (Administrator) authority can use this software.
- MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.
- Other names of systems and products mentioned in these instructions are usually the registered trademarks or trademarks of the manufacturers who developed the system or product concerned.

The [™] and [®] marks are not used to identify registered trademarks and trademarks in these instructions.



Connecting to a computer and downloading files



After connection

• Windows® ME, 2000, or XP: The computer automatically finds and installs the driver for the player.

• Windows® 98SE: Put the included CD-ROM in your disc drive, then follow the instructions on the computer screen to install the driver.

The player appears in My Computer or Explorer as a removable disk or device.

Downloading MP3 and WMA

1. In My Computer or Explorer, open the player's folder (removable disk or device).

2. Open the PLAYER folder.

3. Copy and paste or drag and drop the MP3/WMA files from your computer's folder into the PLAYER folder.

- "DOWNLOAD" appears on the player's display. Downloading is complete when "USB CONNECTED" reappears.
- You can first put files into a new folder and then put that folder into the PLAYER folder. The folders are treated as sublists by the player and the names appear when you select play lists.
- **Note** Use only alphanumeric characters, no more than 36 words.
 - If there are no ID3 tags, the display shows the "filename.mp3".
 - Supports MP3 ID3 V1 tags, ID3 V2 tags and WMA tags.
 - Music protected by Windows Media Player cannot be played even if you download it.
 - You cannot play MP3/WMA files that are in the player through the computer.

Saving Data

- The data recorded using this unit's IC Recorder or FM RADIO can be uploaded to a PC.
- MP3 and WMA files in this unit can't be uploaded to a PC.
- You can use this unit as a removable disc for saving PC data by connecting the USB cable to a PC. (→above)

Specifications

Memory size:	SV-MP20V: 128 MB SV-MP30V: 256 MB
Supported sampling frequency:	MP3 32 kHz, 44.1 kHz, and 48 kHz WMA 8 kHz to 44.1 kHz
Supported bit-rates:	MP3 8 kbps to 320 kbps (128 kbps is recommend)
No. of changes in	WMA 32 kbps to 192 kbps (96 kbps is recommend)
No. of channels:	Stereo, 2 channels (PLAYER, FM RADIO)
	Mono, 1 channel (IC RECORDER)
Frequency response:	20 Hz to 20,000 Hz (+0 dB, -6 dB) (PLAYER) 300 Hz to 4,300 Hz (IC RECORDER, HQ mode)
Mic S/N:	37 dB (IC RECORDER, HQ mode)
Radio Frequency range (FM):	87.9 MHz to 107.9 MHz (200 kHz steps)
······································	87.5 MHz to 108.0 MHz (100 kHz / 50 kHz steps)
Output:	4.5 mW + 4.5 mW (16 Ω, M3 jack)
Power supply:	DC 1.5 V (one LR03, AAA, AM-4 battery)
Approximate play times:	10 hours (alkaline battery)
Approximate recording times:	15 hours (alkaline battery, IC RECORDER, LP mode)
Maximum dimensions (W×H×D):	: 43.8 × 61.5 × 21.9 mm (1 ³ / ₄ " × 2 ⁷ / ₁₆ " × ⁷ / ₈ ")
Cabinet dimensions (W×H×D):	$42.1 \times 60.0 \times 21.9 \text{ mm} (1 {}^{11}/_{16}" \times 2 {}^{3}/_{8}" \times {}^{7}/_{8}")$
Mass:	45.5 g with battery (1.605 oz)
	34.1 g without battery (1.200 oz)

Specifications are subject to change without notice.

• The play time shown depends on operating conditions.

Mass and dimensions are approximate.

• MB means one million bytes. Useable capacity may be less.

Maintenance

Clean with a soft, dry cloth.

Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

Displays	
NO TRACK PLAY	• There is no audio data in the player.
ERROR	• The data format isn't standard.
LOW BATTERY	The battery is dead.
KEY LOCKED HOLD	• The HOLD switch is on.
MEMORY FULL	Memory is full.
WARNING TRACK OVER	• You have tried to record more than 99 tracks into a play list.

Troubleshooting guide

Before requesting service, make the below 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: *In the U.S.A., contact the Panasonic Customer Call Center at*

1-800-211-7262, or e-mail consumerproducts@panasonic.com, or the website (http://www.panasonic.com).

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 close to you.

No operation	The HOLD function is on.Replace the battery if it is flat.			
No sound or there is a lot of noise	 Ensure the earphone plug is inserted firmly. Wipe the plug clean with a clean cloth. Separate the unit from other equipment, such as mobiphones and televisions. Turn up the volume. 			
Play doesn't resume from the track where I stopped play				
Play doesn't start from the first track	 The random play mode may be on. Play usually resumes from the track where you last stopped play. Use skip to return to the first track. 			
The unit stops working	• Take the battery out for about 5 seconds, then reinsert it.			
The display is too dark or too light • Adjust the contrast. While the display is on, swi to on, then while pressing and holding [-MODE/ press the volume [+](darker) or [-](lighter).				

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 e-mail consumerproducts@panasonic.com, or the website (http://www.panasonic.com/).

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 close to you.

Cautions

. Leave some slack in the cord of the earphones and the neck lanvard if you wind them around the unit.

Do not:

disassemble, remodel, drop, or allow the unit to get wet.

- use or store in locations directly exposed to sunlight, corrosive gases, a heat vent, or a heating appliance.
- use or store in humid or dusty locations. use force to open the battery lid.
- 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 batteries.
- · Remove 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.

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.



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:

Caution:

Leave it there.

. Use only the provided shielded interface cables when connecting to computer.

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

ONLY FOR U.S.A.

Panasonic Consumer Electronics Company, **Division of Matsushita Electric Corporation of America**

One Panasonic Way Secaucus, New Jersey 07094

Panasonic Portable Audio Products Limited Warranty

Limited Warranty Coverage

If your product 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 be made by the warrantor.

Product or Part Name	Parts	Labor
All Portable Audio Products except item listed below	One (1) Year	One (1) Year
Rechargeable batteries (in exchange for defective item)	Ten (10) 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". Mail-In Service

For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

Panasonic Services Company

Customer Servicenter Suite B

4900 George McVay Drive McAllen, TX 78503

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.

Customer Services Directory

For Product Information, Operating Assistance, Literature Request, Dealer Locations, and Customer Service inquiries please visit Web Site: http://www.panasonic.com

You can purchase parts, accessories, locate your nearest servicenter and

more by visiting our Web Site or E-mail us via web: http://www.panasonic.com/consumer_electronics/support/customerfeedback.asp

Contact:

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

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

CAUTION:

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.
- FCC Caution:
- . To assure continued compliance, follow the attached installation instructions. · Use only the provided shielded interface cables when connecting to computer.

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: Matsushita Electric Corporation of America

One Panasonic Way Secaucus, NJ, 07094 USA Telephone No.: 1-800-211-7262

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

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

Notice: This product has parts that contains a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: <http://www.eiae.org.>

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc., Ave. 65 de Infantería, Km. 9.5

San Gabriel Industrial Park, Carolina, Puerto Rico 00985

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

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, 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.

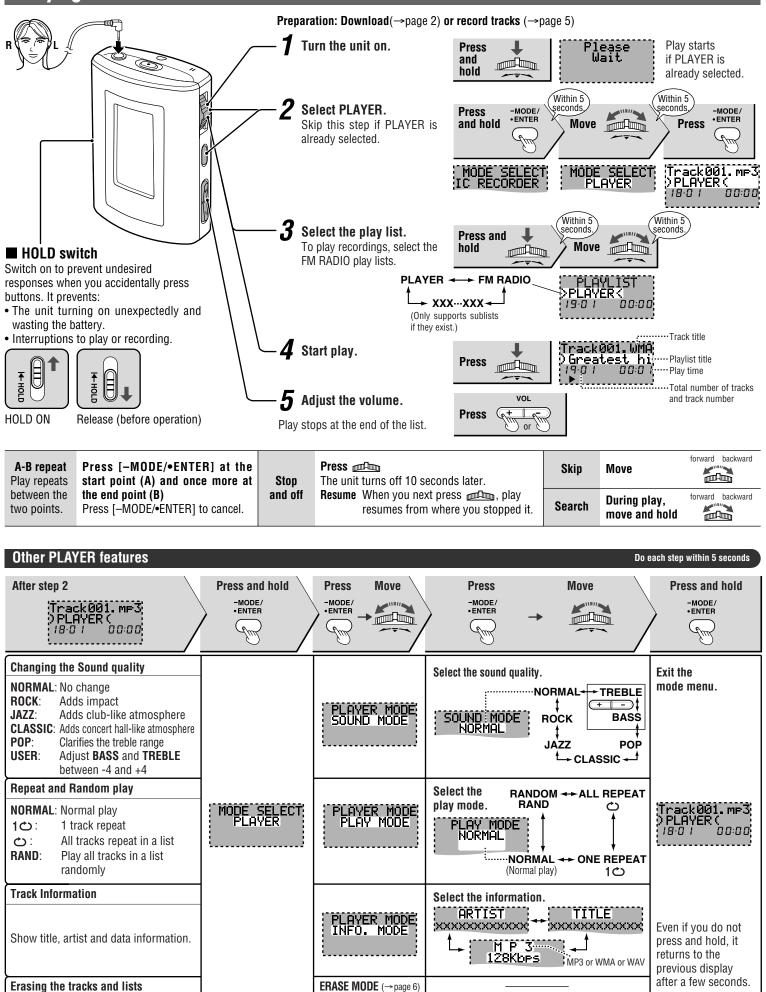
This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the 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	
1-800-332-5368 (Cu	stomer Orders Only)	
1-800-237-9080 (Fa	x Only)	
(Monday-Friday 9	am to 8 pm, EST.) Panason	ic Services Company
20421 84th Avenue	South, Kent, WA 98032	
(Accepts Visa, Maste	rCard, Discover Card, Americ	can Express, and Personal Check)
For hearing or spec	ech impaired TTY users, TT	ГҮ: 1-866-605-1277
	Service in Puerto R	ico
Matsushita Electric oj	f Puerto Rico, Inc. Panasonic Sa	les Company/Factory Servicenter:
Ave. 65 de	Infanteria, Km. 9.5, San Ga	briel Industrial Park,

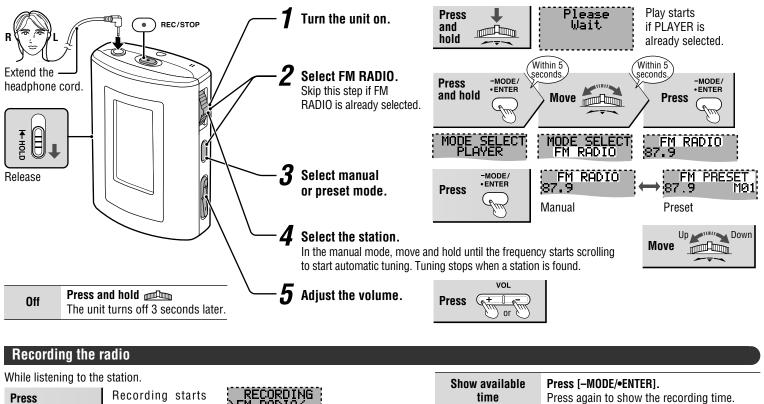
Carolina, Puerto Rico 00985 Phone (787) 750-4300 Fax (787) 768-2910

Playing tracks (PLAYER mode)



4

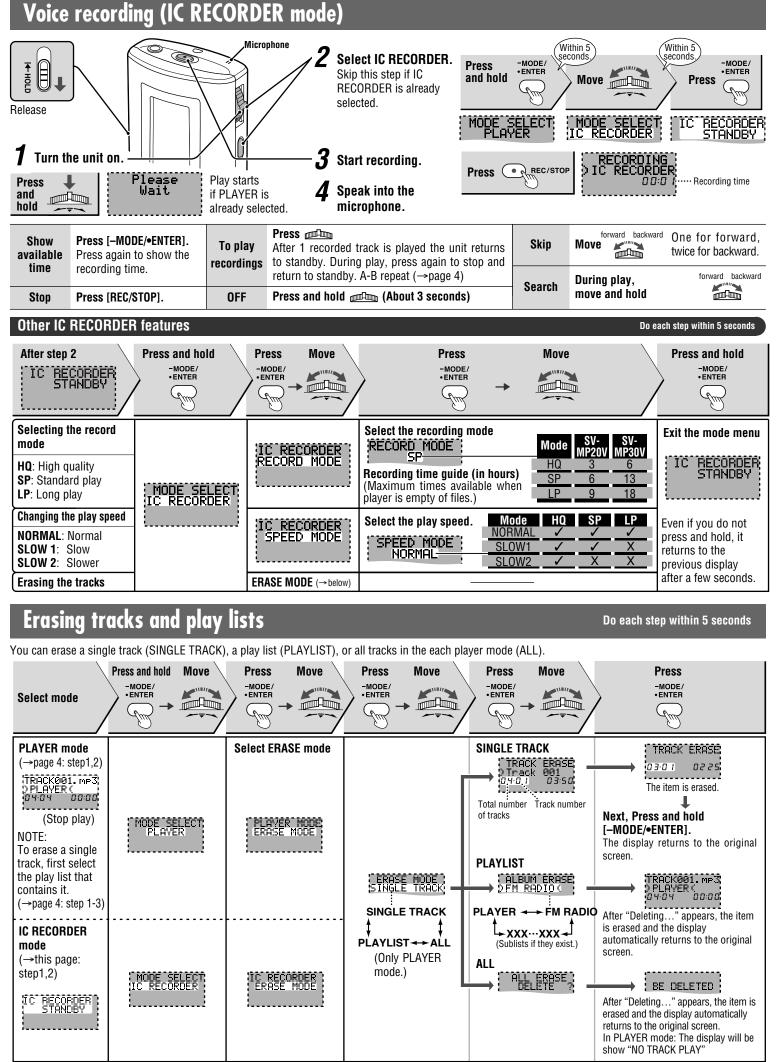
Using the FM radio (FM RADIO mode)





Select PLAYER mode, then select the FM RADIO play list. (→page 4)

Other FM RADIO features Do each step within 5 seconds						
After step 3		Press and hold -MODE/ •ENTER	Press Move	Press Move	Press Move	[MEMORY MODE] →Press ·ENTER (BAND STEP, RECEPTION] →Press and hold
Presetting the station 20 stations can be stored.	(Only preset mode) FM_PRESET 87.9 M01		FM RADIO MEMORY MODE	Select the frequency. FREQ. SET 87.9 - MØ1 * 87.9 - MØ1	Select the channel.	Exit the mode menu. FM PRESET 89.9 M02
 Changing the frequency step Change according to the area. Note that changing the step erases all preset stations. 	89.9 M PRESET 89.9 M02 FM RADIO 88.1	MODE SELECT FM RADIO	FM RADIO BAND STEP	Select the step. BAND STEP 200 kHz 200 kHz 4 50 kHz 4 50 kHz 4		Exit the mode menu. FM_PRESET 89.9 M02 89.9 M02 89.1
Changing the reception mode Select CITY if reception is poor.			FM RADIO RECEPTION	Select the reception mode. RECEPTION NORMAL		Even if you do not press and hold, it returns to the previous display after a few seconds.



You can also erase play lists and tracks on your computer when the player's folder is open. (\rightarrow page 2)