

Model No. **SV-MP31V**
SV-MP21V



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.

Caution

This unit is not waterproof and should not be exposed to excessive moisture.

GC

En

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

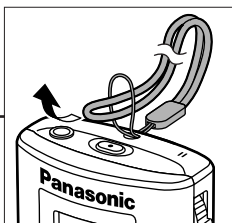
RQTT0601-G
M1203SF0

Supplied accessories

Use numbers indicated when asking for replacements.

- 1 Pair of stereo earphones
- 1 USB cable
- 1 CD-ROM (USB Driver)
- 1 Neck lanyard

Caution: Take care when using the neck lanyard. If used improperly, it can be a choking hazard.



Battery (not included)

- 1 alkaline battery (LR03, AAA, AM-4)

Battery indicator



Full

Empty:

Replace with a fresh battery

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

- Windows Media Player (Version 9.0 or later recommended) Free download from <http://www.microsoft.com/downloads/>
- Supports playback of MP3 and WMA music files
- Built-in microphone for voice recording
- Built-in FM tuner with recording function
- Portable data storage device (Plugs in directly to your PC)
- Language learning with repeat, follow and comparison.
- Each play list (PLAYER, FM RADIO, IC RECORDER) can contain up to 99 tracks.

These tables show the mode menu items available in the PLAYER, LEARN, FM RADIO, IC RECORDER, and LANGUAGE modes.

PLAYER

Mode	Options
SOUND	NORMAL/ ROCK/ JAZZ/ CLASSIC/ POP/ USER (BASS, TREBLE)
PLAY	NORMAL/ ONE REPEAT/ ALL REPEAT/ RANDOM
INFO.	Information (TITLE/ ARTIST/ BIT RATE)
ERASE	SINGLE TRACK/ PLAYLIST/ ALL

LEARN

Mode	Options
PLAY	NORMAL/ ONE REPEAT/ ALL REPEAT/ RANDOM
MANUAL	PLAY TIME/ ENDLESS
TRACE BACK	ON (PLAY TIME/ TRACE TIME)/ OFF
ERASE	SINGLE TRACK/ PLAYLIST/ ALL

FM RADIO

Mode	Options
MEMORY	FREQ. SET CHANNEL SET

IC RECORDER

Mode	Options
RECORD	LP/ SP/ HQ
ERASE	SINGLE TRACK/ ALL
SPEED	NORMAL/ SLOW 1/ SLOW 2

LANGUAGE

Options
Chinese Simple/ Chinese Tradition/ Japanese

System Requirements

OS: Microsoft® Windows® 98SE, Windows® Me, Windows® 2000 Professional, Windows® XP Home Edition/Professional
Drive: CD-ROM Drive

- 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.

• 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.



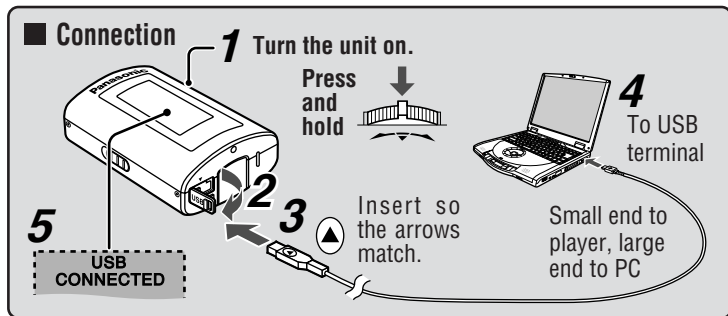
• WMA is a compression format developed by Microsoft Corporation. It achieves the same sound quality as MP3 with a file size that is smaller than that of MP3.

• 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 10 seconds after "USB CONNECTED" re-appears.
 - 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**
- You can use up to a maximum of 22 English alphanumeric characters, or up to a maximum of 15 Chinese or Japanese characters.
 - There are some characters which cannot be displayed due to an embedded font data limitation.
 - 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-MP21V: 128 MB SV-MP31V: 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) 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) 37 dB (IC RECORDER, HQ mode)
Mic S/N:	
Radio Frequency range (FM):	87.5 MHz to 108.0 MHz (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, PLAYER) 6 hours (alkaline battery, FM RADIO)
Approximate recording times:	15 hours (alkaline battery, IC RECORDER, LP mode) 5 hours 30 minutes (alkaline battery, FM RADIO)
Maximum dimensions (W×H×D):	43.8 × 61.5 × 21.9 mm
Cabinet dimensions (W×H×D):	42.1 × 60.0 × 21.9 mm
Mass:	45.5 g with battery 34.1 g without battery

- 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 will 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 benzene.

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. <While playing or recording> Change the battery. <While downloading> 1. Cancel the download from your PC. 2. After confirming "SAFE REMOVE" in the display, remove the USB cable. 3. Change the battery.
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, consult your dealer for instructions.

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 mobile phones and televisions. • Turn up the volume.
Play doesn't resume from the track where I stopped play	• This doesn't work if: You download, record, or delete files. The random play mode is on.
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, switch HOLD to on, then while pressing and holding [-MODE/ENTER], press the volume [+] (darker) or [-] (lighter).
Play doesn't start immediately	• Depending on the amount of data in the unit, it may take some time for play to start after downloading / recording or changing the battery.

Care and use

- Leave some slack in the cord of the earphones and the neck lanyard 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.
- play your headphones or earphones at a high volume.

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

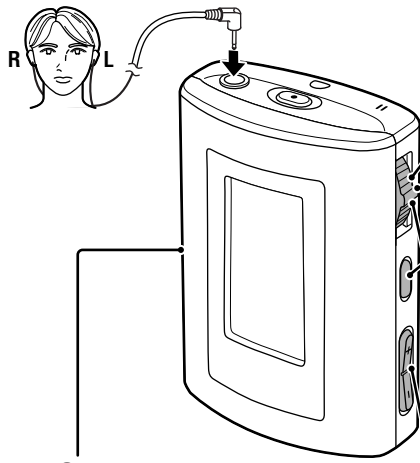
Discontinue use if you experience discomfort with the earphones or any other parts that directly contact your skin. Continued use may cause rashes or other allergic reactions.

Caution:

- 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.

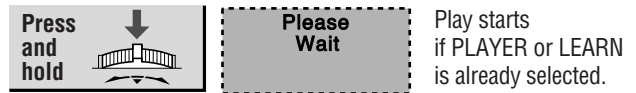
This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

Playing tracks (PLAYER mode)

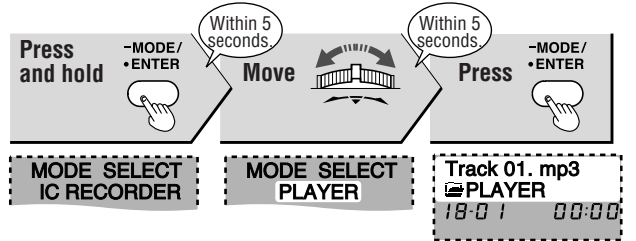


Preparation: Download (→page 2) or record tracks (→page 5)

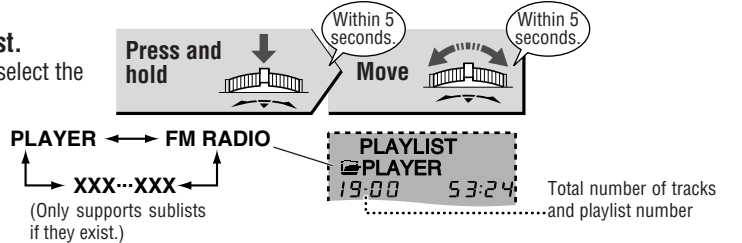
1 Turn the unit on.



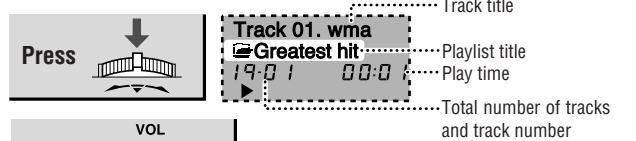
2 Select PLAYER.
Skip this step if PLAYER is already selected.



3 Select the play list.
To play recordings, select the FM RADIO play lists.



4 Start play.



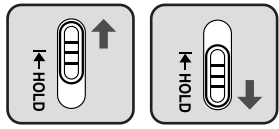
5 Adjust the volume.



HOLD switch

Switch on to prevent undesired responses when you accidentally press buttons. It prevents:

- The unit turning on unexpectedly and wasting the battery.
- Interruptions to play or recording.



HOLD ON Release (before operation)

A-B repeat Play repeats between the two points.	Press [-MODE/•ENTER] at the start point (A) and once more at the end point (B). Press [-MODE/•ENTER] to cancel.	Stop and off Press . The unit turns off 10 seconds later. Resume When you next press , play resumes from where you stopped it.	Skip forward backward
			Search During play, move and hold forward backward

Other PLAYER features

Do each step within 5 seconds

After step 2	Press and hold	Press	Move	Press	Move	Press and hold
Changing the Sound quality NORMAL: No change ROCK: Adds impact JAZZ: Adds club-like atmosphere CLASSIC: Adds concert hall-like atmosphere POP: Clarifies the treble range USER: Adjust BASS and TREBLE between -4 and +4						Exit the mode menu.
Repeat and Random play NORMAL: Normal play 1 : 1 track repeat : All tracks repeat in a list RAND: Play all tracks in a list randomly						
Track Information Show title, artist and data information.						Even if you do not press and hold, the display returns to its previous display after a few seconds.
Erasing the tracks and lists						

Using the language learner (LEARN mode)

Preparation: Download the language learning model recording.

Select the LEARN mode and use **Play, Skip, Search, Stop, Resume**, as you would when using the PLAYER mode. (→page 3)

Repeating and listening to model recordings

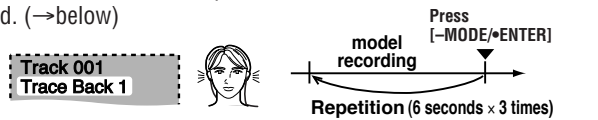
MANUAL MODE (A-B repeat) Repeat and listen to the specified segment.


- 1 Turn "OFF" the TRACE BACK function.
(→below "TRACE BACK ON/OFF")
- 2 During play, press [-MODE/•ENTER] at the start point (A) and once more at the end point (B).
- 3 Listen to the model recording.
Play repeats between the two points only 3 times.
The number of times to repeat can be changed. (→below)



TRACE BACK Repeat and listen to the specified track back segment.

- 1 Turn "ON" the TRACE BACK function.
(→below "TRACE BACK ON/OFF")
- 2 During play, press [-MODE/•ENTER].
- 3 Listen to the model recording.
Play goes back 6 seconds and repeats 3 times.
The number of times to repeat and the trace back time can be changed. (→below)



- Note**
- OFF : After play is stopped by pressing , the unit automatically turns off after 1 minute has elapsed.
 - During TRACE BACK, if you press [REC/STOP], the FOLLOW and COMPARE function will work.

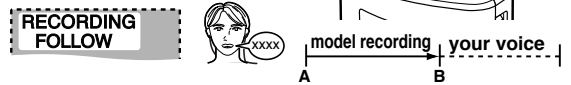
Comparing model recordings and your voice (FOLLOW and COMPARE)

You can continuously play and compare pronunciation of the model recording with your recorded voice.

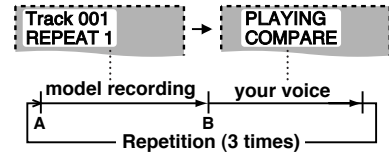
- 1 Turn "OFF" the TRACE BACK function.
(→below "TRACE BACK ON/OFF")
- 2 During play, set the A-B repeat.
- 3 Press [REC/STOP].
- 4 When "STANDBY FOLLOW" appears, listen to the model recording.



- 5 After playing the model recording, when "RECORDING FOLLOW" appears, speak into the microphone.








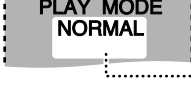
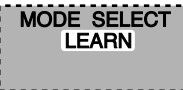


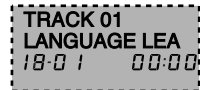

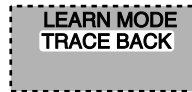

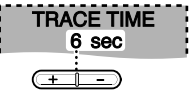

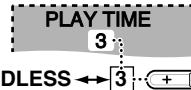


- 6 When "REPEAT 1" appears, listen to the model recording. And when "PLAYING COMPARE" appears, listen to your recorded voice. Both play continuously 3 times. The number of times to repeat can be changed. (→below)



Other LEARN features

Do each step within 5 seconds

During stop	Press and hold	Move	Press	Move	Press and hold
					
Repeat and Random play NORMAL: Normal play 1⌚ : 1 track repeat ⌚ : All tracks repeat in a list RAND: Play all tracks in a list randomly			Select the play mode. 	RANDOM ↔ ALL REPEAT RAND NORMAL ↔ ONE REPEAT (Normal play) 1⌚	Exit the mode menu.
Changing the number of repetitions MANUAL MODE (A-B repeat) Adjust the number of times to repeat from 1 to 9, or endless.			Adjust the repetition number. 	ENDLESS ↑ PLAY TIME=3 + -	
TRACE BACK ON/OFF				ON ↔ OFF	
Changing the TRACE BACK number and time.			Press  [TRACE BACK] ON Adjust the TRACE BACK time. 	Press  [TRACE BACK] ON Adjust the TRACE BACK number. 	Even if you do not press and hold, the display returns to its previous display after a few seconds.
Erasing the tracks and lists		ERASE MODE (→page 6)		ENDLESS ↔ 3 + -	

When selecting MANUAL MODE (A-B repeat) with the LEARN mode, TRACE BACK is automatically turned off.

Using the FM radio (FM RADIO mode)

- 1 Turn the unit on.**
- 2 Select FM RADIO.** Skip this step if FM RADIO is already selected.
- 3 Select manual or preset mode.**
- 4 Select the station.** In the manual mode, move and hold until the frequency starts scrolling to start automatic tuning. Tuning stops when a station is found.
- 5 Adjust the volume.**

REC/STOP

R L

Extend the headphone cord.

Release

Off **Press and hold** [REC/STOP] The unit turns off 3 seconds later.

Press and hold [REC/STOP] → **Please Wait** → Play starts if PLAYER or LEARN is already selected.

Press and hold [-MODE/ENTER] → **Move** [Up/Down] (Within 5 seconds) → **Press** [-MODE/ENTER] (Within 5 seconds)

MODE SELECT PLAYER | **MODE SELECT FM RADIO** | **FM RADIO 87.9**

Press [-MODE/ENTER] → **FM RADIO 87.9** (Manual) ↔ **FM PRESET 87.9 M01** (Preset)

Press [VOL +/-] or [VOL -]

Move [Up/Down] (Within 5 seconds)

Recording the radio

While listening to the station.

Press [REC/STOP] Recording starts and the recording timer starts.

RECORDING Tuner007.wav 00:00 Recording time

Show available time **Press** [-MODE/ENTER]. Press again to show the recording time.

Stop **Press** [REC/STOP].

To play the recording

Select PLAYER mode, then select the FM RADIO play list. (→page 3)

Presetting the station

Do each step within 5 seconds

After step 3	Press and hold [-MODE/ENTER]	Press [-MODE/ENTER]	Press [-MODE/ENTER] → Move [Up/Down]	Press [-MODE/ENTER] → Move [Up/Down]	Press [-MODE/ENTER]
Only preset mode 20 stations can be stored.	MODE SELECT FM RADIO	FM RADIO MEMORY MODE	Select the frequency. FREQ. SET 87.9 M01 87.5 ← 108.0	Select the channel. CHANNEL SET 89.9 M02 M01 ← M20	Exit the mode menu. FM PRESET 89.9 M02

Changing the language (Chinese Simple/ Chinese Tradition/ Japanese)

The language which displays track title and play list title is changed.

- 1 Turn the unit on.**
- 2 Select LANGUAGE.**
- 3 Select the language to use.**

REC/STOP

R L

Extend the headphone cord.

Release

Press and hold [REC/STOP] → **Please Wait** → Play starts if PLAYER or LEARN is already selected.

Press and hold [-MODE/ENTER] → **Move** [Up/Down] (Within 5 seconds) → **Press** [-MODE/ENTER] (Within 5 seconds)

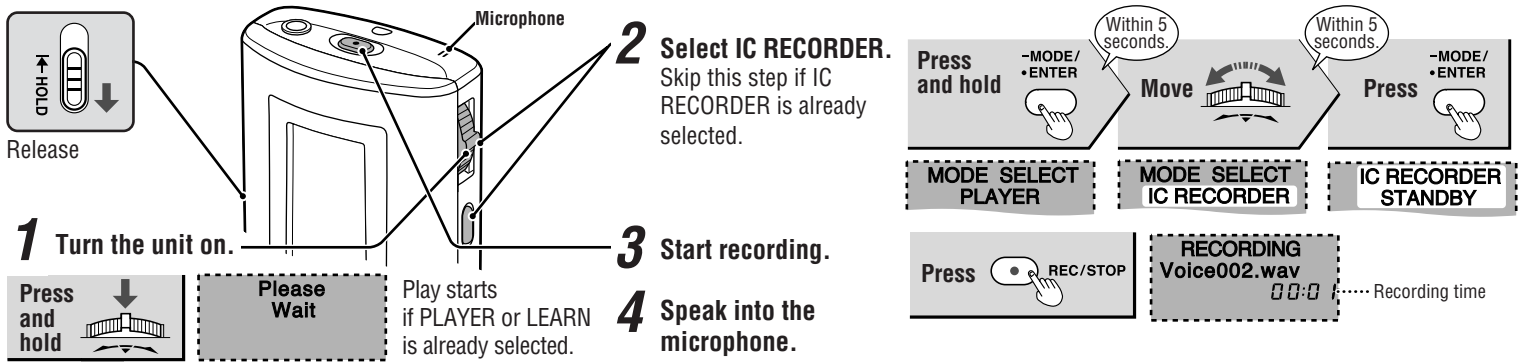
MODE SELECT PLAYER | **MODE SELECT LANGUAGE**

Press [-MODE/ENTER] → **Move** [Up/Down] (Within 5 seconds) → **Press and hold** [-MODE/ENTER]

Chinese Simple ↔ **Chinese Tradition** ↔ **Japanese** (LANGUAGE)

18-01 00:24 Playlist title Track title

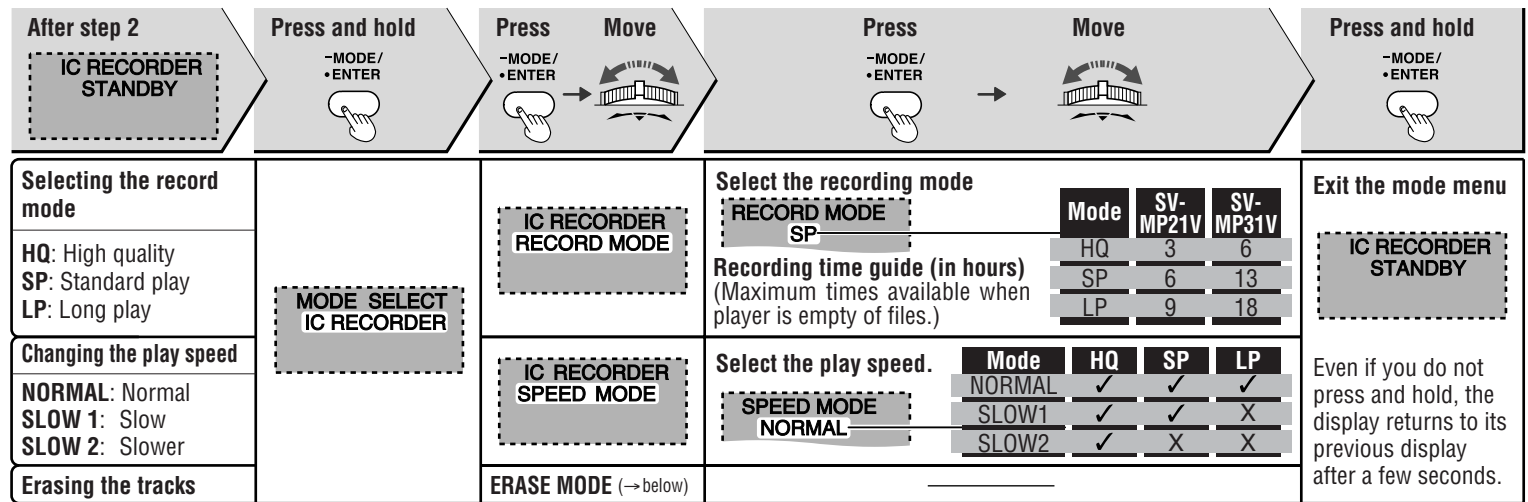
Voice recording (IC RECORDER mode)



Show available time	Press [-MODE/•ENTER]. Press again to show the recording time.	To play recordings	Press After 1 recorded track is played the unit returns to standby. During play, press again to stop and return to standby. Resume When you next press , play resumes from where you stopped it. A-B repeat (→page 3)	Skip	Move One for forward, twice for backward.
Stop recording	Press [REC/STOP].			Search	During play, move and hold forward backward
				OFF	Press and hold (About 3 seconds)

Other IC RECORDER features

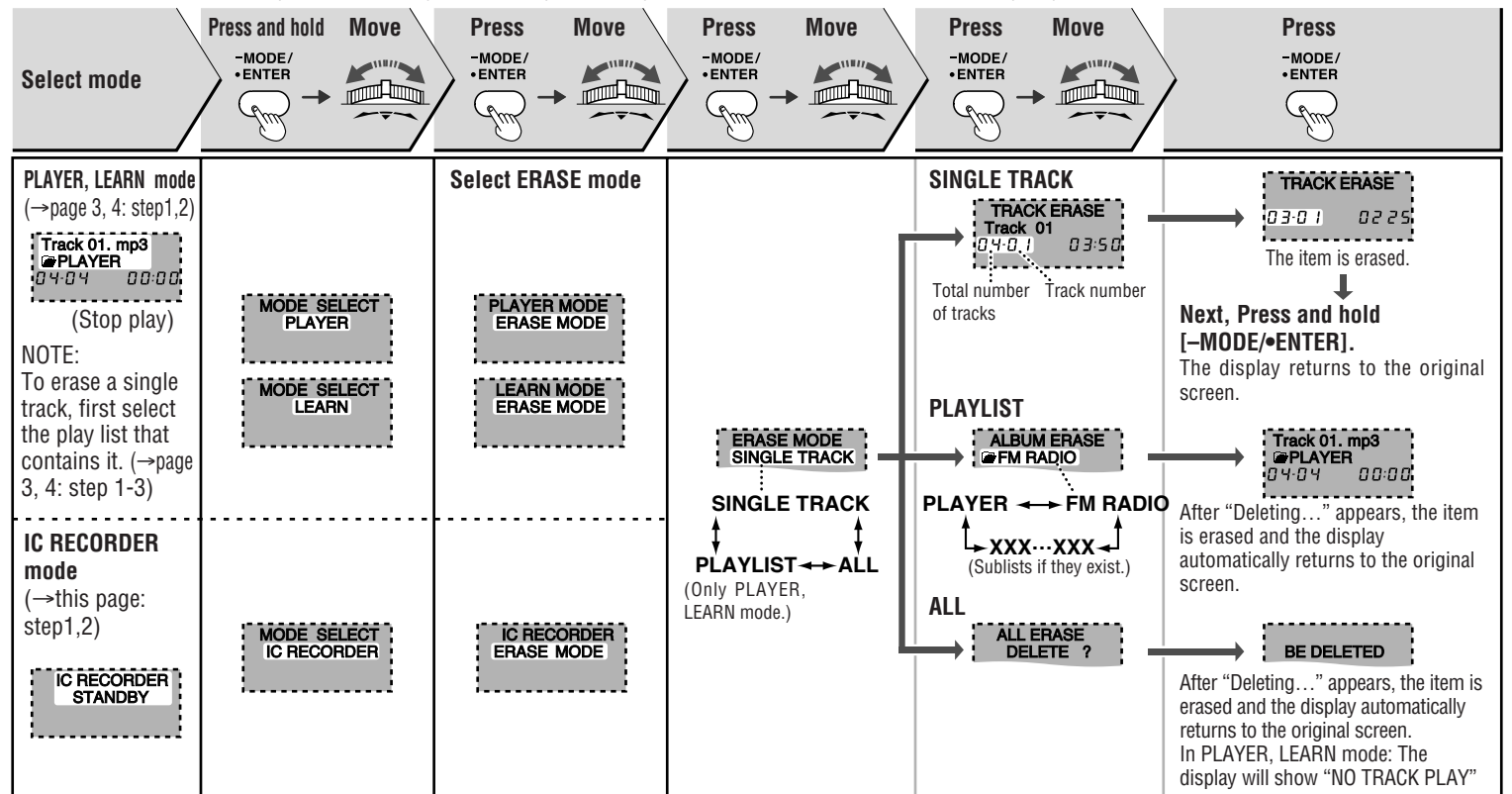
Do each step within 5 seconds



Erasing tracks and play lists

Do each step within 5 seconds

You can erase a single track (SINGLE TRACK), a play list (PLAYLIST), or all tracks in the each player mode (ALL).



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