

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.

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

THE FOLLOWING APPLIES ONLY IN CANADA:

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

A nickel metal hydride battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

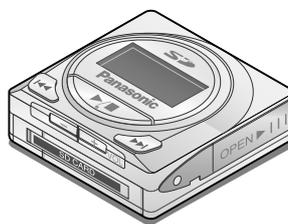


This manual was printed with soy based ink.



**SD Audio Player
Operating Instructions**

Model No. **SV-SD85**



Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully.

READ BEFORE USE

After checking the included accessories (see below), follow these steps to record onto (checkout) the included SD Memory Card.

1. Install the Panasonic SD-Jukebox software from the included CD-ROM.
2. Connect the USB Reader/Writer to your personal computer.
3. Record (checkout) some music to the SD Memory Card with Panasonic SD-Jukebox.

Read the operating instructions(PDF) for Panasonic SD-Jukebox for details.

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



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

One Panasonic Way Secaucus, New Jersey 07094
<http://www.panasonic.com/sd>

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• 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.

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• 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.

• Licensed AAC Patents (U.S. patent numbers);

08/937,950	5,394,473	5,579,430	5,481,614	5,299,238	5,581,654
5848391	5,583,962	08/678,666	5,592,584	5,299,239	05-183,988
5,291,557	5,274,740	98/03037	5,781,888	5,299,240	5,548,574
5,451,954	5,633,981	97/02875	08/039,478	5,197,087	08/506,729
5 400 433	5 297 236	97/02874	08/211,547	5,490,170	08/576,495
5,222,189	4,914,701	98/03036	5,703,999	5,264,846	5,717,821
5,357,594	5,235,671	5,227,788	08/557,046	5,268,685	08/392,756
5 752 225	07/640,550	5,285,498	08/894,844	5,375,189	

Supplied accessories

Stereo earphones (LOBAB0000172)—1pc.



USB Reader/Writer (RFA1869-H2)—1 pc.



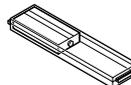
SD Memory Card—1 pc. (128MB)



CD-ROM—1 pc.



Rechargeable battery with case—1 pc.



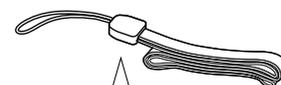
Battery case (RFA1801-H)—1 pc.



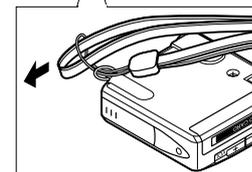
Charger (RFEB013G-K)—1 pc.



Neck lanyard (RFA1876A-Q)—1 pc.



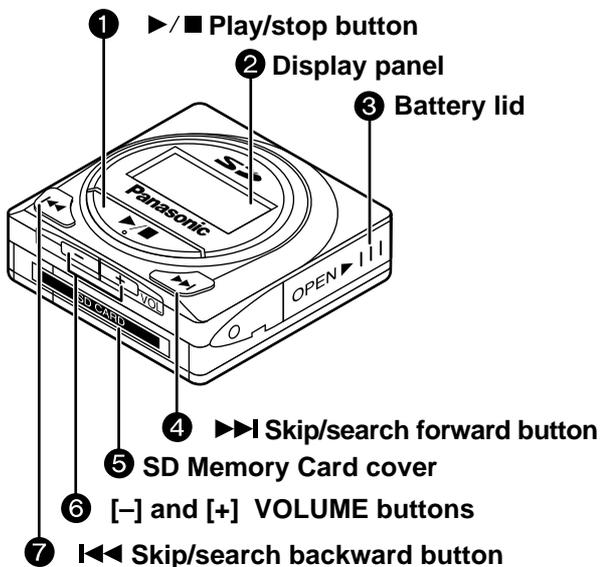
AC adaptor (RFEA415C-1S)—1 pc.



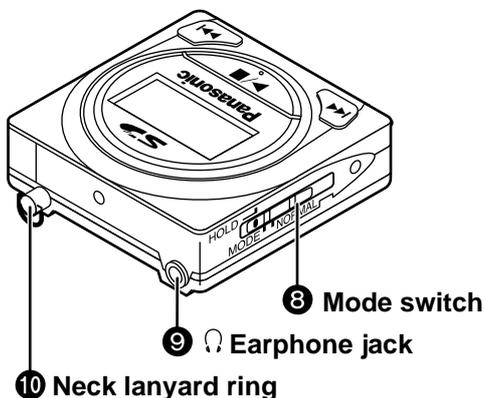
Use numbers indicated in parentheses when asking for replacement parts. Refer to page 11 for the parts marked with ().

For the U.S.A
To order accessories contact 4-800-332-5368 or Web site (<http://www.panasonic.com>).

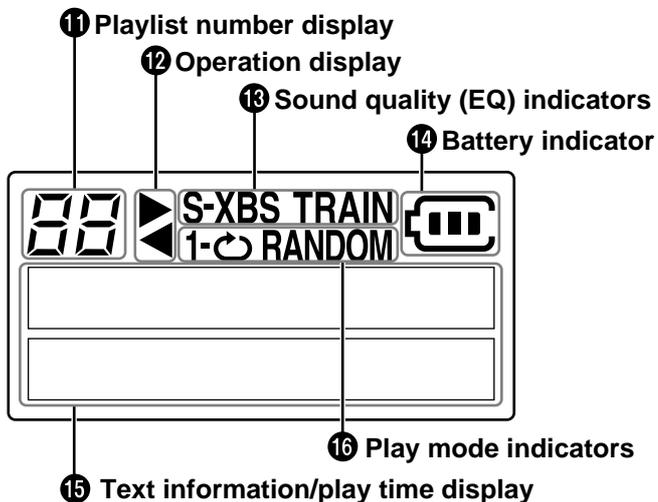
Main unit



The functions of buttons 1, 4, 6, and 7 depend on the position of the MODE switch. See pages 6-8 for details.

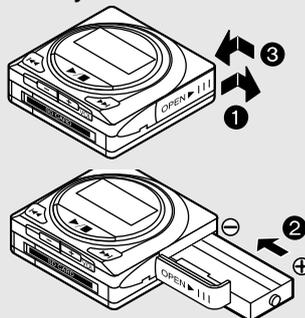


Display panel

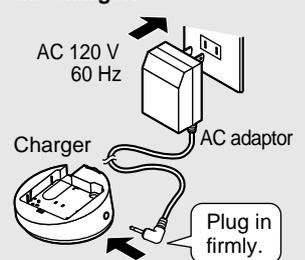


Charging the rechargeable battery

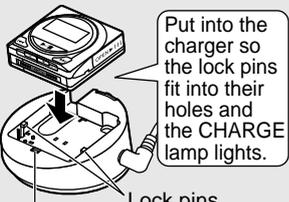
1 Insert the rechargeable battery.



2 Connect the AC adaptor to the charger.



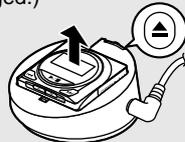
3 Put the unit into the charger.



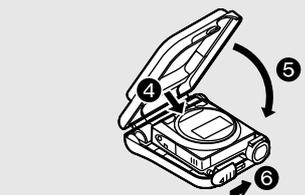
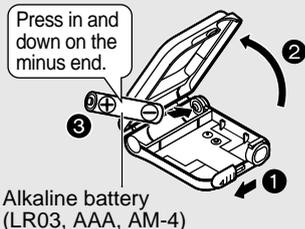
Lock pins
CHARGE lamp
While charging: blinks briefly every two seconds.
When fully charged: lights briefly every five seconds.
After 4 hours: goes out.

To remove the unit from the charger

Press [▲] (EJECT) and lift the unit out. (Do not try to remove the unit while the lock pins are engaged.)



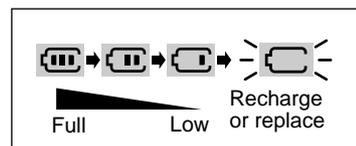
Using the included battery case



Rechargeable battery (included)

- Charge before initial use after purchase or after an interval of three months or longer.
- It takes approximately 3 hours to fully charge the included battery.
- The included battery can be recharged about 300 times. The battery has reached the end of its life if play time dramatically reduces after recharging.
- The battery may heat up while charging, but this is normal.
- Replace the rechargeable battery within 30 seconds because the clock stops while disconnecting the battery. If necessary, see page 8 for setting the clock.
- Separate from radios while charging as the charger can cause interference.
- You can play the unit while charging, but the battery cannot be fully charged. Stop play to charge fully.
- You cannot operate the unit if the rechargeable battery is not inserted, even if you put it into the charger. The message "NO BATTERY" appears on the display when you press [▶/■].

Battery indicator



Note:
When the unit is not to be used for a long time, turn it off and unplug the AC adaptor from the household AC outlet.

The unit continues to consume 1.5 W even when you have pressed [▶/■] to turn it off.

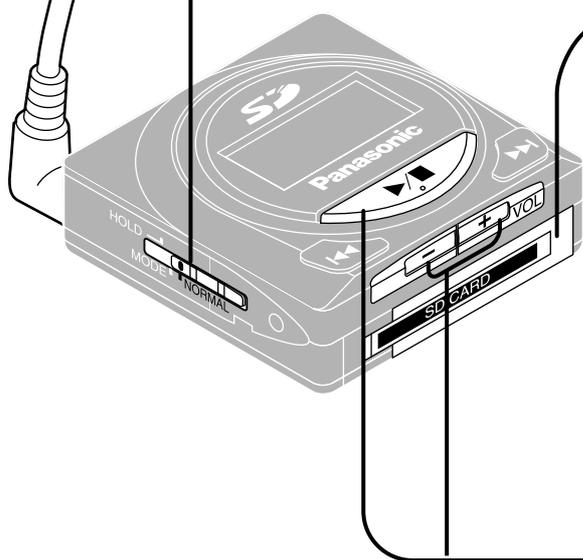
To use dry cell batteries

Insert an alkaline battery (LR03, AAA, AM-4) into the battery case along with the unit.

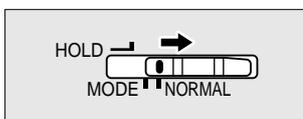
To extend play time

You can get up to 50 hours of play by using the rechargeable battery and dry cell battery together.

Listening

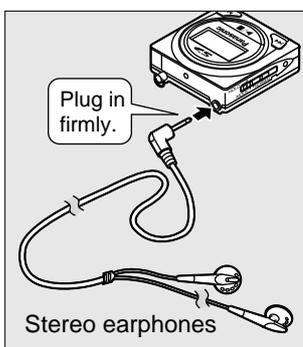


1



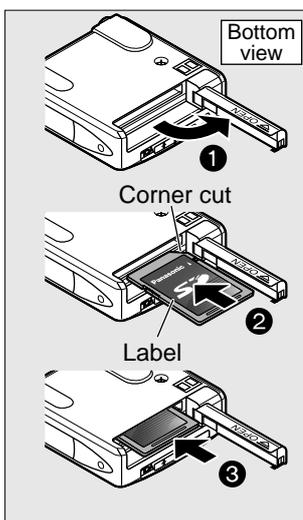
Set to NORMAL.

2



Connect the stereo earphones.

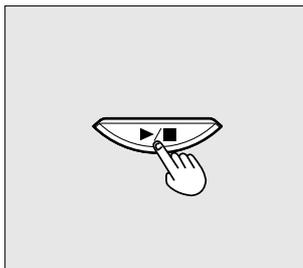
3



Insert an SD Memory Card with tracks recorded (checked out).

- 1 Open the cover.
- 2 Insert the card so the label is facing up and the end with the corner cut off is facing in.
- 3 Push on the center of the card so it locks into place and close the cover.

4



Press.

The unit comes on and starts play.

Immediately after pressing

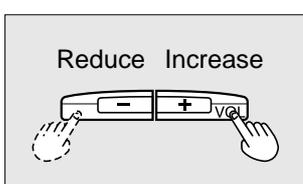


Operation display

After about two seconds



5



Adjust the volume.

Press and hold to adjust continuously.

Volume meter



Volume (0 to 25)

Note:
The following can occur if there is a problem with the card:

- “Now Busy” or “EMERGENCY STOP” appear frequently (see page 11)
- “Please Wait” appears for 20 seconds or longer
- No sound continues for 20 seconds or longer after pressing [▶/■] to play

You can remedy the problem by formatting the card with SD-Jukebox.

Before formatting the card, check in any data on the card to your computer. See the operating instructions for SD-Jukebox for details.

To stop play and turn the unit off



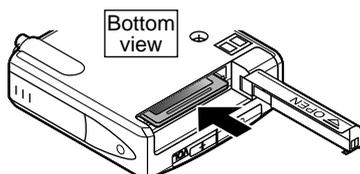
Press.

The unit turns off about ten seconds later.

■ Resume

When you next press [▶/■], play resumes from where you stopped it. Play starts from track 1 if you replace the card or battery.

To remove the SD Memory Card



After stopping play, open the card cover (step 3, 1), and push on the center of the card to unlock it.

Hold function

This function stops the unit from responding when a button is pressed.



It prevents the following:

- The unit turning on unexpectedly, causing the battery to go dead.
- Play being interrupted when a button is accidentally pressed.

Other operations

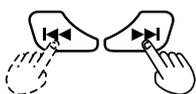
Preparation



Set the mode switch to **NORMAL**.

Skipping tracks

Press during play.



Backward Forward

- In the all track repeat mode (see below), you can skip from the last track to the first track.
- You cannot skip back to a track in random play (see below) if it has been played.

Search

Press and hold during play.

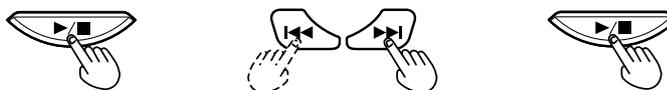


Backward Forward

- In the all track repeat mode (see below), you can search from the last track to the first track.
- In random play (see below), you cannot search a track other than the track that is being played.
- The operation display flashes during search ("⏮️" or "⏭️").

Direct play

1 Press during play. 2 Select the track. 3 Play the track.



Play stops. Backward Forward

- Tracks change faster if you press and hold [⏮️] or [⏭️].
- If the unit is left stopped for about ten seconds, even after selecting a track, it turns off.

Preparation



Set the mode switch to **MODE**.

Repeat play

Random play

Press during play.



VOLUME button

Each time you press the button



(1 track repeat)



(All track repeat)

RANDOM

(All tracks played once in random order)

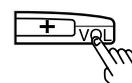
no display

(Cancel)



Changing sound quality (EQ)

Press during play.



VOLUME button

Each time you press the button



(Normal)



(Add powerful bass)



(Further increases the power of the bass)

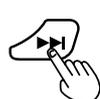


(Reduces sounds that may annoy others)

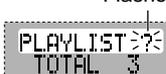
Using playlists

When playlists the unit can play are on the card

1 Press during play.



Flashes



Number of playlists

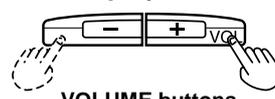
This is the clock/playlist setting mode.

- If you select a playlist while the unit is stopped, press [▶/■] to start play.
- To play all the tracks on the SD Memory Card, select "⏮️" (default playlist) in step 3.
- If you want to stop the above operation partway, set the mode switch to NORMAL.

2 Press.



3 Select the playlist number.



VOLUME buttons

Total time of playlist

Playlist number

Number of tracks

Playlist title

Press.



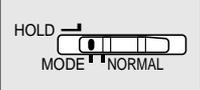
The tracks in the playlist are played.

After changing the mode



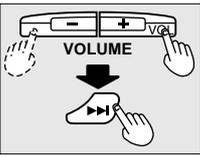
Set the mode switch to **NORMAL**.

Setting the clock

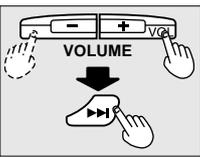
- 

During play, set to MODE.
If you want to stop the following operation partway, set to NORMAL.
- 

Press.
This is the clock/playlist setting mode.

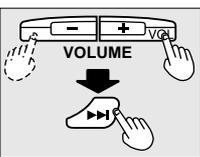

- 

Select "TIME".
↓
Press. This is the clock setting mode.


- 

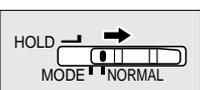
Select the display mode.
12 hour clock
or
24 hour clock
↓
Press.



- 

Set the time. The time flashes
↓
Press. The clock starts



- 

Set to NORMAL.

- To display the clock, set the mode switch to HOLD during play or press [▶/■] while the switch is set to HOLD.
- Adjust the clock regularly to maintain accuracy.

Adjusting and changing the display

Adjusting the contrast

- During play, set the mode switch to HOLD.
- While pressing and holding [▶/■], press [+] (darker) or [-] (lighter) volume button.

Changing the display

- During play, set the mode switch to MODE.
 - Press [◀◀] to change the display.
- Track titles, playlist titles, and artist information scroll from right to left if they do not fit on the display.
 - Titles including text data the unit doesn't support cannot be displayed.

A few seconds after changing, the display returns to the track title indication automatically. Press and hold if you want to maintain the display.

Track number	Elapsed play time	Bitrate display
1	2#16	AAC 128kbps
TRACK TITLE		
Total number of tracks	Total play time	
5	16#24	ARTIST INFO
PLAYLIST TITLE		Artist information

Display when playing AAC audio data. The display when playing other data is shown at right.

- Set the mode switch to NORMAL.

RQT7090

Care and use

Main unit / Supplied accessories

- Keep the SD Memory Card and the rechargeable battery out of the reach of children to prevent them from being swallowed.
- 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.
- 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, a heat vent, or a heating appliance.
- use or store in humid or dusty locations.
- use or store in locations exposed to corrosive gases.
- insert objects other than SD Memory Cards.
- use force to open the battery lid or card cover.
- use cracked or warped cards.
- short-circuit the power supply terminals of the unit, the charger, or the battery case.
- detach the label on the card or attach other labels or stickers.

Rechargeable battery / Dry cell battery

- Remove the battery if the unit is not to be used for a long time.
- Carry and store the rechargeable battery in the supplied rechargeable-battery case to prevent contact with metal objects.

Do not;

- recharge ordinary dry cell batteries.
 - disassemble, short-circuit, or put in a fire or water.
 - peel off the cover or use if the cover has been peeled off.
- Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire. If electrolyte leaks from the battery, consult your dealer. Wash thoroughly with water if electrolyte comes in contact with any part of your body.

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.

Maintenance

Clean with a soft, dry cloth.

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

9

Cut here

Panasonic

SD Audio Player
Operation Guide

Keep this card in your wallet or purse for quick reference.

Model No. **SV-SD85**

MODE switch position	◀◀	▶▶	▶/■	[-]	[+]
NORMAL	Skip/search backward	Skip/search forward	Play/stop	Reduce volume	Increase volume
MODE	Display change	Clock/playlist setting mode	Play/stop	Repeat/Random change	Sound quality (EQ)
	Cancel selection	Confirm selection			Selection in clock/playlist setting mode
HOLD			Clock		

Product service

1. Damage requiring service

The unit should be serviced by qualified service personnel if:

- The AC power supply cord or AC adaptor has been damaged; or
- 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., contact the Panasonic Customer Call Center at 1-800-211-7262, or e-mail consumerproducts@panasonic.com, or the website (<http://www.panasonic.com/sd>).

In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or visit the website (www.panasonic.ca), or an authorized Servicentre closest to you.

Specifications

Sampling rate:	32 kHz, 44.1 kHz, and 48 kHz
Compression/decompression:	AAC, MP3 and WMA
No. of channels:	Stereo, 2 channels
Frequency response:	20 Hz to 20,000 Hz (+0 dB, -6 dB)
Output terminal:	M3 earphone jack
Output level:	3.5 mW + 3.5 mW (16 Ω)
Power supply:	DC 1.2 V (one rechargeable battery) DC 1.5 V (one LR03, AAA, AM-4 battery)
Approximate play time:	18 hours (When the included rechargeable battery is fully charged) 32 hours (Panasonic alkaline battery) 50 hours (When the fully charged rechargeable battery and alkaline battery are used together)
Maximum dimensions (WxHxD):	43.3 x 44.5 x 17.3 mm (1 ¹¹ / ₁₆ " x 1 ³ / ₄ " x 1 ¹¹ / ₁₆ ")
Cabinet dimensions (WxHxD):	42.2 x 41.6 x 15.8 mm (1 ¹¹ / ₁₆ " x 1 ⁵ / ₈ " x 5/8")
Mass:	38 g (1.34 oz.) with battery 26 g (0.92 oz.) without battery
AC adaptor / Charger:	Input : AC 120 V 60 Hz Output : DC 2V, 220 mA
Recording Media :	SD Memory Card

- Specifications are subject to change without notice.
- The play times shown depend on operating conditions.
- Mass and dimensions are approximate.

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/sd>).

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.

Problems	Check points or causes
No operation.	<ul style="list-style-type: none"> Is the hold function on? (page 5) Did you insert a card? (page 5) Is the battery fully charged? (page 3) (If so, try removing the battery and reinserting it.) Are the power supply terminals of the unit, charger, and battery case dirty or are there dust or obstacles on the terminals?
Cannot hear sound.	<ul style="list-style-type: none"> Is the volume too low? (page 5) Is the earphone plug inserted correctly? (page 5) (Try plugging it in again.) Is the earphone plug dirty?
Play doesn't start from the first track.	<ul style="list-style-type: none"> Is the play mode set to RANDOM? (page 6) See "Resume". (page 4) Is a playlist used? (page 6)
There is a lot of noise.	<ul style="list-style-type: none"> Are you using the unit near a television or mobile phone?

When one of the following messages appears on the display:

NO CARD	• You haven't inserted a card.
NotSDAUDIO	• There is no SD-audio data on the card.
NO LIST	• You haven't created a playlist.
NO TITLE	• The track or playlist doesn't have a title.
NO INFO.	• There is no information entered for the artist.
NO TRACK	• You haven't checked out tracks for the playlist.
UNFORMAT	• The card isn't formatted.
DATA ERROR	• The data format isn't standard.
LOCKED	• The unit cannot play the card you inserted.
NotPLAY	• Non-AAC, non-MP3, or non-WMA data is on the card. (Appears during play.)
NotDISPLAY	• Text data the unit cannot display is on the card.
NotSUPPORT	• Non-AAC, non-MP3, or non-WMA data is on the card. (Appears on the bitrate display described on page 8.)
U01	• The battery is dead.
NO BATTERY	• You haven't inserted the rechargeable battery into the unit.
ERROR	• An error has occurred. Remove and reinsert the card. If this doesn't correct the display, turn the unit off and on (page 4). If this still doesn't correct the display, try removing and reinserting the battery.
Now Busy	• The unit is manipulating data. Wait a moment.
EMERGENCY STOP	• Because the unit cannot manipulate irregular data on the card, the power is turned off.

Optional accessories

Rechargeable battery with case

Part number : HHF-AZ10A

Personal computer card adaptor

Part number : BN-SDABPU/1B

SD-Jukebox Features

SD-Jukebox is a software program for recording and managing music CDs on your PC and transferring recorded tracks to an SD Memory Card so you can enjoy the music on your player.

Important SD-Jukebox usage information

SD-Jukebox incorporates copyright protection technology using encryption technology in order to protect copyrights, to ensure the healthy development of music culture, and to protect the rights of valid purchasers.

- SD-Jukebox records music data in encrypted form onto your hard disk drive. Encrypted music cannot be moved/copied to other folders, drives, and other PCs for use.
- Unique information pertaining to your PC's processor and hard disk drive is used in the encryption process. Therefore, if either the processor or hard disk drive is replaced, previously created music data will no longer be available for use.
- Depending on your computer system, you may experience problems such as being unable to record or use recorded music data. Please note that Matsushita is in no way liable for any music data you lose, or for any other direct or indirect damages.
- SD-Jukebox cannot work with MMC (MultiMediaCard).
- SD-Jukebox cannot play and record music CDs that does not have a  mark on the disc label.

System Requirements

In order to use SD-Jukebox, you need a personal computer satisfying the system requirements shown below.

- **Compatible PC: IBM PC/AT compatible personal computers with one of the following operating systems preinstalled**

SD-Jukebox does not run on Macintosh systems.

- **OS:** **Microsoft® Windows® 98 Second Edition**
Microsoft® Windows® Millennium Edition
Microsoft® Windows® 2000 (Professional SP2/SP3)
Microsoft® Windows® XP (Home Edition or Professional, as well as each version after updating with SP1)

SD-Jukebox may not run properly if your computer has been upgraded from Windows 3.1/95 to Windows 98 SE, Windows 2000, Windows Me, or Windows XP. If you are upgrading from Windows 98/98 SE or Windows Me to Windows XP, select "Upgrade installation (recommended)". If you select "New installation", music data created with SD-Jukebox prior to upgrading to Windows XP will no longer be available for use.

Not compatible with multi-CPU models or multi-boot environments. Only available when the user is logged in as the system administrator.

- **CPU:** Windows 98 SE, Windows Me: Intel Pentium® II 333 MHz or higher
Windows 2000, Windows XP: Intel Pentium® III 500 MHz or higher
 - **RAM:** Windows 98 SE, Windows Me: 128 MB or more
Windows 2000, Windows XP: 256 MB or more
 - **Hard disk drive:** 100 MB or more
 - **Display:** 800×600 or better resolution
(1024×768 or better recommended)
Set to High Color (16-bit) or higher
 - **Sound device:** Creative Labs Sound Blaster 16 or compatible device
 - **CD-ROM drive** (required for installation and for CD recording):
A CD-ROM drive capable of digital recording is required. Four-speed or higher is recommended. (Recording may not work properly with CD-ROM drives connected through an IEEE1394 or USB connection.)
 - **USB port** (required for connecting an SD Memory Card)
(SD-Jukebox may not run properly if the SD Memory Card is connected through a USB hub or USB extension cable.)
 - **Internet Explorer 5.01 or higher, DirectX 8.1 or higher** installed on your computer.
 - If you are using the CDDB function, then an Internet connection is also required.
- (1) SD-Jukebox may not run properly on all computers meeting the recommended system specifications.
(2) SD-Jukebox may not run properly on user-built computers.

Installing SD-Jukebox

SD-Jukebox can be found on the included CD-ROM. Follow these steps to install it.

- 1 Turn on the computer and start Windows.
- 2 Insert the included CD-ROM into the CD-ROM drive.
The installer program starts automatically.
- 3 Follow the on-screen instructions.
- 4 Click on "Finish".
The SD-Jukebox icon appears on the desktop. 

Note:

If the installation does not start automatically on your computer, follow these steps: From the Windows "start" menu, choose "Run". The "Run" dialog box will open. Type "#:\autorun.exe" and click on "OK". (#: Use the correct CD-ROM drive ID.)

Using the Operating Instructions

The PDF Operating Instructions for SD-Jukebox

The operating instructions for SD-Jukebox are installed along with the application as a PDF.

Open the PDF from the "start" menu, select "All Programs" → "Panasonic" → "SD-JukeboxV4" → "SD-JukeboxV4 Operating Instructions".

- You will need Adobe Acrobat Reader to read the file containing the operating instructions.
- Install Adobe Acrobat Reader from the included SD-Jukebox CD-ROM if you do not have it or if your version cannot correctly open the file. From the "start" menu, select "Run...", then select the .exe file for installing Acrobat Reader from the CD-ROM.

Starting SD-Jukebox

Double click on the SD-Jukebox icon on the desktop. 

SD-Jukebox starts and the main window is shown.

For your reference

If the icon is not on the desktop, from the "start" menu, select "All Programs" → "Panasonic" → "SD-JukeboxV4" → "SD-JukeboxV4".

Connecting an SD Memory Card

Connect the included USB Reader/Writer to checkout (record) tracks to your SD Memory Card.

Note:

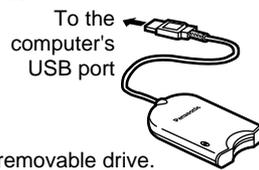
- Connect to an AC power supply when using a portable computer. Data can be lost or errors can occur if the computer turns off during operation.
- Operation cannot be guaranteed under the following circumstances:
 - When you have connected two or more USB Reader/Writers to your computer or are using another USB device.
 - When you have connected another SD Memory Card adapter.
 - When you are using a USB hub or extension cord.

1 Turn on the computer and start Windows.

2 Connect the USB Reader/Writer to the computer's USB port.

The "New Hardware Found" screen appears. The driver for the USB Reader/Writer is enabled automatically.

Check that it appears in Windows Explorer as a removable drive.

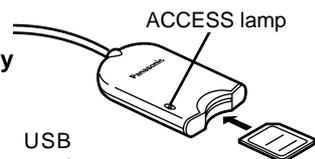


3 Taking care that the card is facing the right way, insert the SD Memory Card into the USB Reader/Writer.

Note:

You can damage the card and USB Reader/Writer's slot if you insert the card incorrectly.

Ensure the USB Reader/Writer's ACCESS lamp is off before inserting or ejecting SD Memory Cards.



Insert label-up with the cut-off corner facing in

Do not remove the SD Memory Card while checking out even if the ACCESS lamp is off.

The USB Reader/Writer

- Do not wet, drop, or expose the USB Reader/Writer to impacts.
- Do not use or store in locations directly exposed to sunlight, a heat vent, or a heating appliance.
- Do not disassemble or modify.
- Do not insert foreign objects into the slot.

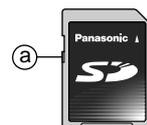
Protecting the data on your SD Memory Card

Performing the following actions before SD-Jukebox has started completely, while the USB Reader/Writer's ACCESS lamp is on, and while checking out tracks can damage your SD Memory Card and corrupt the data it contains.

- Inserting or ejecting the SD Memory Card
- Connecting or disconnecting the USB Reader/Writer
- Shutting down SD-Jukebox or Windows forcefully
- Turning the computer off forcefully (for example, unplugging the AC power supply cord)

To protect your data

- Switch the write-protect switch (a) of the SD Memory Card to "LOCK". Unlock when you want to record or edit the card again.
- Do not touch the metal terminals of the card with your hands or metal objects.
- Use an oil-based felt pen to write on the card. Do not use pencil or ballpoint pen as these can damage the card.



Limited Warranty (ONLY FOR U.S.A.)

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

**Panasonic Sales Company, Division of Matsushita Electric
of Puerto Rico, Inc.**
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic/Technics 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
Audio Products (except items listed below)	One (1) year	One (1) year
All Audio Racks (cabinets)	Thirty (30) days	Not Applicable
Technics Stand Alone Speakers, Subwoofer Speakers	Three (3) years	Three (3) years
USB Reader-Writer, Personal Computer Card Adapters (in exchange for defective item)	One (1) year	Not Applicable
Accessories: Headphones, Cartridges, Microphones, Adapters	Ninety (90) days	Ninety (90) days
Rechargeable Batteries (in exchange for defective item)	Ten (10) days	Not Applicable
SD Memory Cards, Rechargeable Battery Packs (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 carry-in or mail-in your product during the warranty period. If non-rechargeable batteries are included, they are not warranted. 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.

Customer Services Directory (ONLY FOR U.S.A.)

For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact: 1-800-211-PANA (7262), Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST. or send e-mail: consumerproducts@panasonic.com For hearing or speech impaired TTY users, TTY:1-877-833-8855

Web Site: <http://www.panasonic.com> You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Accessory Purchases:

1-800-332-5368 (Customer Orders Only)
For hearing or speech impaired TTY users, TTY:1-866-605-1277
Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032
(6 am to 5 pm Monday-Friday; 6 am to 10:30 am Saturday; PST)
(Visa, MasterCard, Discover Card, American Express, Check)

Product Repairs

Centralized Factory Servicenter

MAIL TO: Panasonic Services Company
1705 N. Randall Road, Elgin, IL 60123-7847
Attention: SD Repair

Please carefully pack and ship, prepaid and insured, to the Elgin Centralized Factory Servicenter.
Customer's in Puerto Rico, please ship or carry in to location at right ("Service in Puerto Rico")

**Service in Puerto Rico
Matsushita Electric of Puerto Rico,
Inc. Panasonic Sales Company/
Factory Servicenter:**

**Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park,
Carolina, Puerto Rico 00985
Phone (787) 750-4300 Fax (787) 768-2910**

The model number and serial number of this product can be found on either the back or the bottom of the unit. Please note them in the space provided below and keep for future reference.

MODEL NUMBER SV-SD85
SERIAL NUMBER _____

Carry-In or Mail-In Service

For Carry-In or Mail-In Service in the United States call 1-800-211-PANA (1-800-211-7262) or visit Panasonic web site: <http://www.panasonic.com>
For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

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, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, 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 media or images, data or other memory 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.

User memo :

DATE OF PURCHASE _____
DEALER NAME _____
DEALER ADDRESS _____
TELEPHONE NUMBER _____