

Portable CD-ROM XA Drive with Sound Box

Operating Instructions

CD-ROM **Discman**

PRD-155SB

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Owner's Record

The model number and the serial number are located on the bottom of the CD-ROM drive. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. PRD-155SB Serial No. _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION

As the laser beam used in this CD-ROM drive unit is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

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.

This shielded interface cable (audio cable) recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to subpart B of Part 15 of FCC.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

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.

This unit uses CD-ROM discs with the following mark.

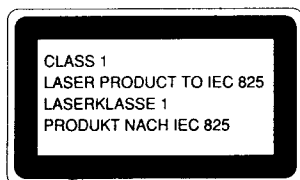


When you use this unit as a CD player, use compact disc with the following mark.



CAUTION - The use of optical instruments with this product will increase eye hazard.

For the customers in the United Kingdom



This CD-ROM drive unit is classified as a CLASS 1 LASER product.

The CLASS 1 LASER PRODUCT label is located on the bottom.

For the customers in Canada

This apparatus complies with the Class B limits for radio noise emissions set out in Radio Interference Regulations.

For the customers in Australia

If the supply cord of AC power adaptor is damaged, the AC power adaptor must be returned to the manufacturer or his agent for the cord to be replaced.

NOTICE TO USERS

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- MS-DOS and Windows are registered trademarks of Microsoft Corporation.
- PC-DOS and PC/AT are registered trademarks of International Business Machines Corporation.
- 386SX is a trademark of Intel Corporation.
- Sound Blaster is a trademark of Creative Labs, Inc.
- Ad-Lib is a trademark of Ad Lib Inc.

Features

The Sony PRD-155SB is a combination of a portable CD-ROM drive and a sound box. It comes with the following features:

CD-ROM drive

- supports MPC Level 2, CD-ROM XA, and Photo CD Multisession standards.
- 380 ms disc access time (average)
- double speed, 300 KByte/s data transfer rate
- PCMCIA Plug and Play Specification compatible
- can be used as an audio CD player

Sound Box

- connects the CD-ROM drive and your PC, and plays audio from the drive or from the PC.
- Sound Blaster and Ad-Lib specifications compatible
- can be connected directly to a speaker, or to a speaker system via an amplifier.
- allows you to enjoy music by playing back MIDI data using a sound source from Windows.
- accepts a joystick.
- can record and playback sounds using PCM codec (WAVE files as well).
- can playback AVI files when they are used together with Microsoft Video for Windows.
- also used as a battery pack for the CD-ROM drive, when the latter is used as an audio CD player without the AC power adaptor.

System Requirements (not supplied)

- PC/AT compatible with 386SX or higher processor
- 2MB or more RAM
- PCMCIA 2.1 Type II slot
- PCMCIA Card and Socket Services 2.1
- MS-DOS or PC-DOS 3.1 or higher
- Windows 3.1, if Windows is used (DOS 5.0 or higher)
- A 3.5 inch high density floppy disk drive (to install the supplied software)

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Precautions

On installation

Keep the unit away from high humidity, high temperature, mechanical vibration and direct sunlight.

On operation

- Do not move the unit while it is operating. Doing so may cause a malfunction.
- Avoid exposing the unit to sudden changes in temperature. This may cause condensation to collect inside the unit. If the ambient temperature should suddenly rise while the unit is turned on, wait at least one hour before turning off the unit. If you attempt to operate the unit immediately after a sudden increase in temperature, a malfunction may occur during reading.

On transportation

- Save the packing materials as you may need to repack and transport the unit at a later date.
- Always remove the disc before moving the unit.

On the Sound Box

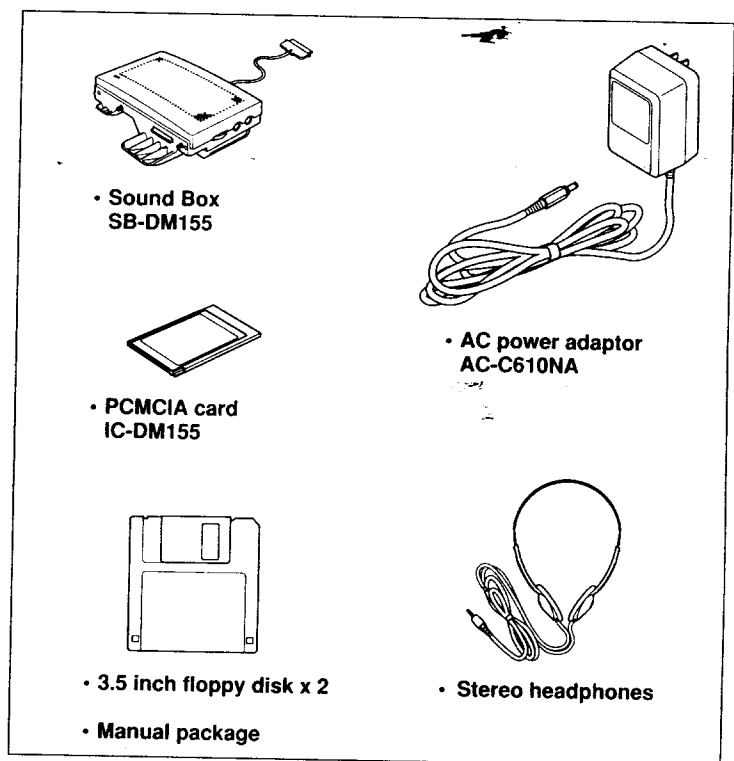
- The Sound Box consists of delicate electronic parts. Do not drop or hit the box.
- The connector cable cannot be removed from the Sound Box. Do not pull it by force.
- When you want to use a microphone with the Sound Box, you must use one which is battery powered.

On the rechargeable battery

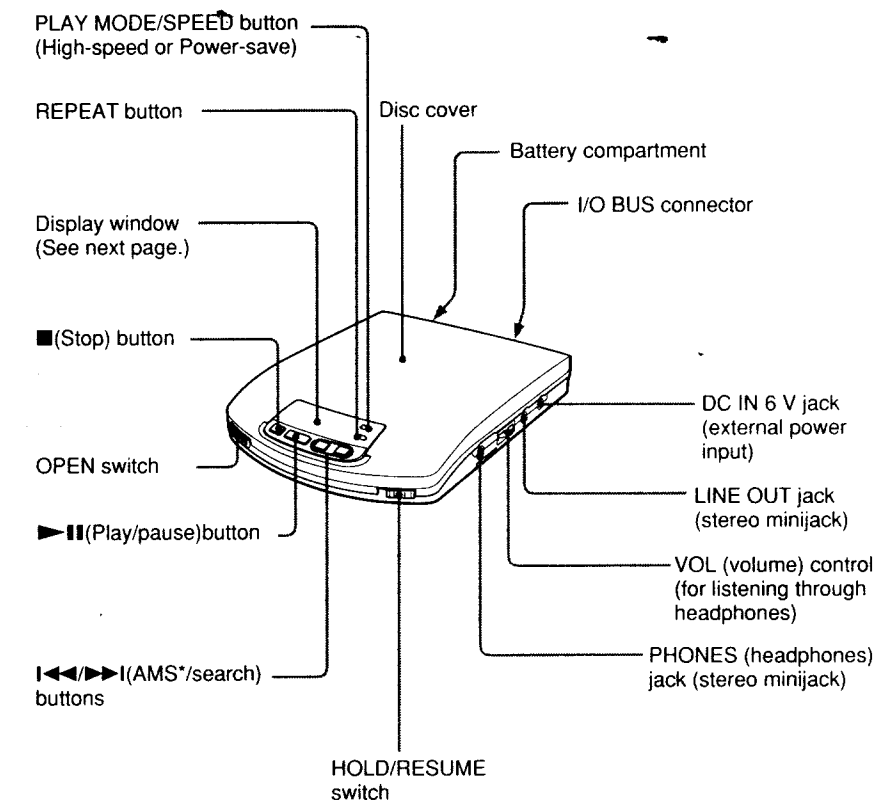
- Store the battery at a temperature between 5°C (41°F) and 35°C (95°F).
- Do not short-circuit the (+) and (–) terminals with a piece of metal. This will cause the battery to heat up abnormally, which is very dangerous.
- Keep the battery away from fire.
- Do not expose the battery to water.
- Do not disassemble the battery.
- Do not drop the battery or subject it to mechanical shock.
- Do not touch the terminals with wet hands.
- Charge the battery at room temperature.

Checking the Package Contents

Make sure the following items are included in the package. If anything is missing, contact your local Sony dealer.

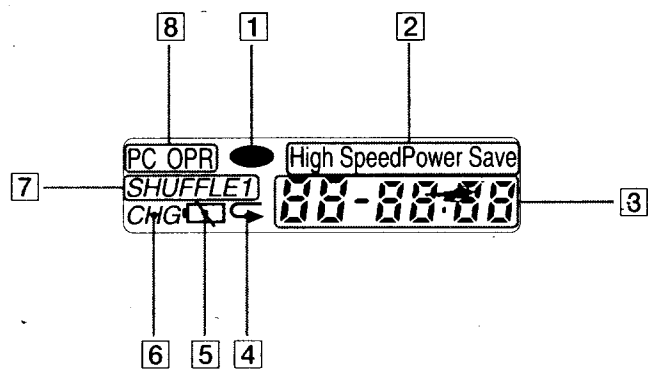


CD-ROM drive



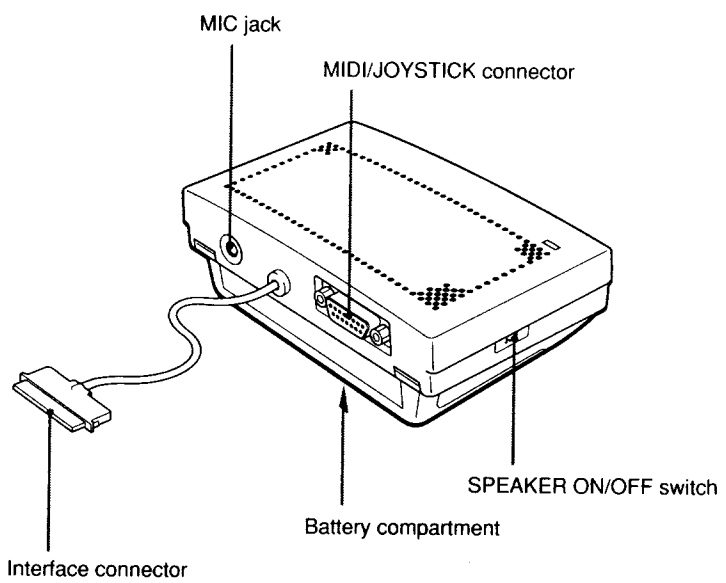
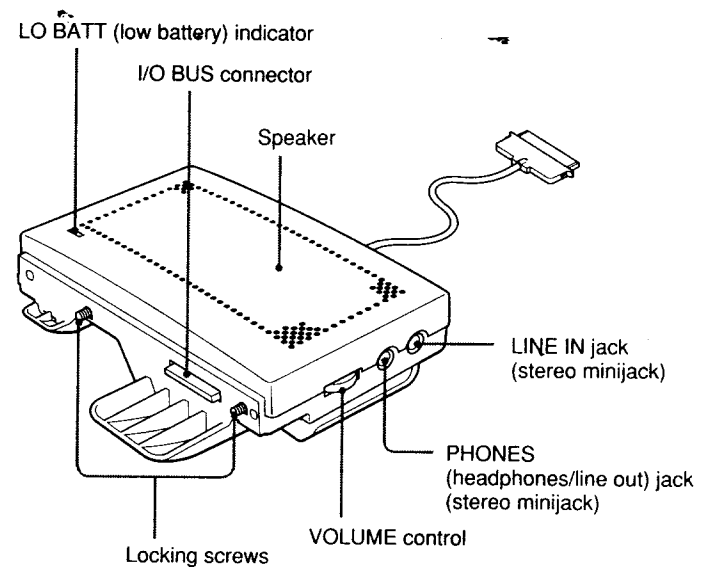
*AMS: Automatic Music Sensor

Display window



- | | |
|---|--|
| <p>1 Busy indicator
Appears when a disc is being accessed.</p> | <p>5 Battery indicator
Appears when the battery is low.</p> |
| <p>2 High Speed/Power Save indicator
Indicates the sled access speed when the unit is functioning as a CD-ROM drive.</p> | <p>6 Charge indicator
Appears when the battery is charging.</p> |
| <p>3 Counter (CD-Audio use)
Indicates tracks and play times on a disc.</p> | <p>7 Play modes
The corresponding indicator appears when the play mode is "shuffle" or "single selection"; none appears when the play mode is "all selections".</p> |
| <p>4 Repeat indicator (CD-Audio use)
Appears when the repeat mode is on.</p> | <p>8 PC OPR indicator
Appears when the unit is operating as a CD-ROM drive.</p> |

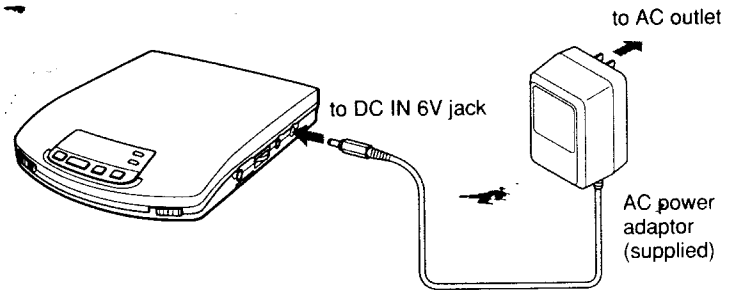
Sound Box



Preparation

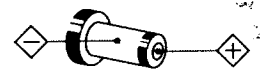
Connecting to an AC Outlet

Use the AC power adaptor (supplied) to connect the CD-ROM drive to an AC outlet, as illustrated.



Notes on the AC power adaptor

- The AC power adaptor may differ depending on the country of purchase.
- When the AC power adaptor is not used, unplug it from the AC outlet.
- Use only the AC power adaptor supplied. Do not use any other AC power adaptor.



Polarity of the plug

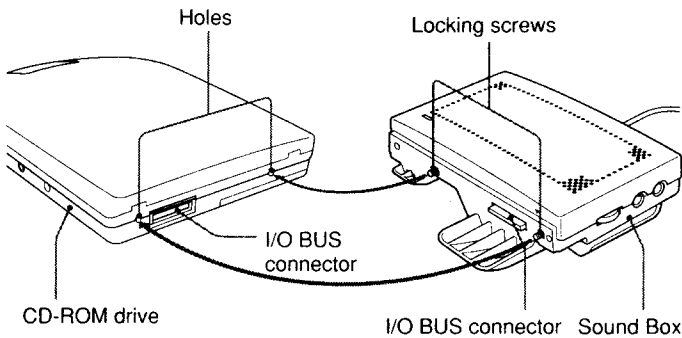
Notes on power source

- Besides AC power, the CD-ROM drive can also operate on alkaline batteries (not supplied), or the rechargeable battery (not supplied). See the "Using Other Features" section for details.
- When multiple power sources are available, the CD-ROM drive will use a power source in the following order: AC power, alkaline batteries/rechargeable battery.

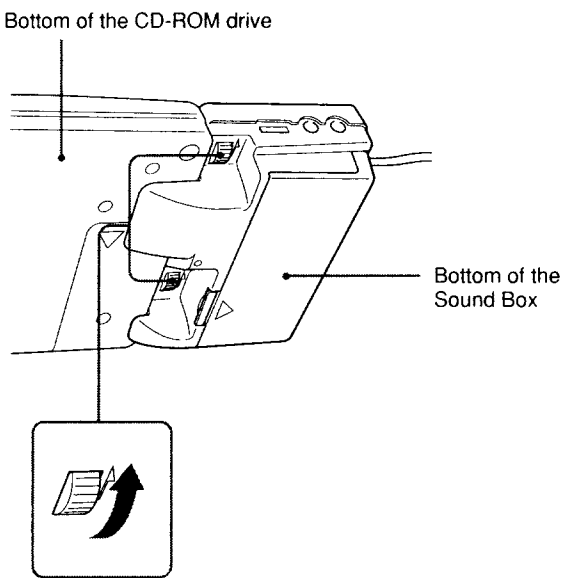
Connecting to Your PC

Use the Sound Box to connect the CD-ROM drive to your PC. First make sure the CD-ROM drive is turned off.

- 1 Connect the Sound Box to the CD-ROM drive.**
Insert the two locking screws on the Sound Box into the mating holes on the CD-ROM drive.

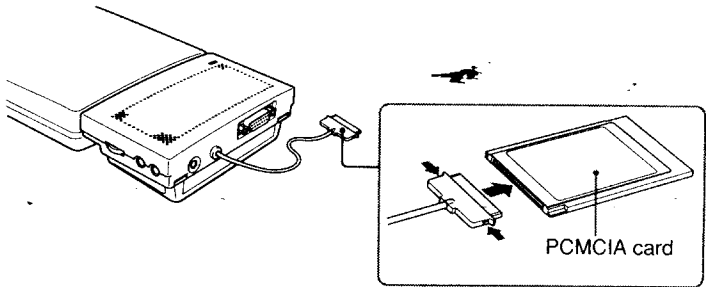


- 2 Secure the Sound Box.**
Tighten the two locking screws by turning the knobs in the direction indicated by the arrow mark.

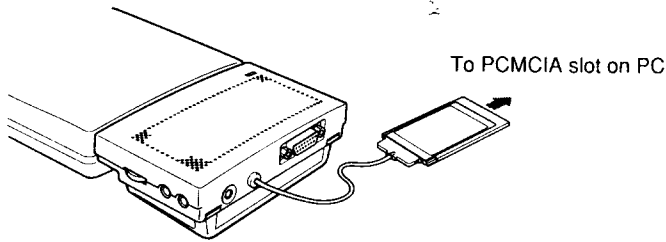


3 Connect the interface cable to the PCMCIA card (supplied).

Make sure the shapes of the connectors of the interface cable and the PCMCIA card match. While pressing the two tabs shown, insert the interface cable connector into the PCMCIA card.



4 Insert the PCMCIA card into a PCMCIA type II slot on your PC.



Note

While operating, do not remove the interface cable from the PCMCIA card.

Plug and Play support

The CD-ROM drive supports the Plug and Play standard. When the unit is connected to a Plug and Play-supported PC, the PC will recognize insertion and removal of the card.

Installing the Software

- Please read any accompanying paper insert(s) before the installation.
- Please refer to the "INSTALL.TXT" file in the Installation Software (Disk 1) for more detailed instructions on the installation.

Before operating the CD-ROM drive, you must install the software on the supplied Installation Software Disk onto your PC. The installation can be done under Windows™ or DOS, as follows:

Installing under Windows

- 1** Start Windows, if it is not already running. Be sure to quit all applications.
- 2** Insert the Installation Software (Disk 1) into the floppy disk drive (Drive A) of your PC.
- 3** From the File Menu of either the File Manager or the Program Manager, choose Run. In the Command Line box, type:
a:install
as appropriate.
- 4** Press Enter or click on the OK button, then follow the instructions on the screen to complete the installation.
A help window appears when you click on Help (?) button or press the <SHIFT> + <?> keys during installation.
At the end of installation, the software will clear the screen and restart your PC. If your PC does not restart, you may need to restart it manually.

Installing under MS-DOS™ or PC-DOS™

- 1** Insert the Installation Software (Disk 1) into the floppy disk drive (Drive A) of your PC.
- 2** At the DOS prompt, type:
a:install
as appropriate, then press Enter.

3 Follow the instructions on the screen to complete the installation.

A help window appears when you click on the Help (?) button or press the <SHIFT> + <?> keys during installation.
If you choose "Manual" installation, please read the following "Configuring the Software" section.
At the end of the installation, the software will clear the screen and restart your PC. If your PC does not restart, you may need to restart it manually.

Note

For more information, refer to the "README.TXT" file on the Installation Software (Disk 1).

Configuring the Software

To change any of the settings after installation, configure the settings from the Installation Software. The configuration can be done as follows:

1 From the directory you installed the software in (default "C:\SONYSB"), type "install" at the DOS prompt and then press Enter. Or start the program from the Windows File Manager or Program Manager.

2 Select "Configure" from the install program.

3 The Configuration proceeds as follows. Make necessary changes as appropriate.

- 1 Set the Output Mixer and Recording Source in the Powerup Mixer Defaults screen.
- 2 Set the Interrupt and I/O ports in the Port Setup screen. Click on "Advanced" to set up Virtual Sound Blaster Port. Please click on the Help (?) button or press the <SHIFT> + <?> keys for more details on Virtual Port Setups.

At the end of the configuration, the PC will automatically reboot.

Note

When either the MIDI port or ADLIB port is set, the other port cannot be set. If you wish to play external MIDI instruments, set ADLIB port to none and then set MIDI port.

Using an External MIDI Instrument

To use an external MIDI instrument with the Sound Box, you must first configure the MIDI Port and Windows settings as follows:

- 1 Insert the PCMCIA card into your PC.
- 2 Run the Installation Software from the hard disk (default \SONYSB directory).
Type, for example,
c:\SONYSB\install
as appropriate, and press Enter.
- 3 Select "Configure."
- 4 At the Port Setup screen, set the ADLIB Port to "None."
- 5 Set the MIDI Port to 300 or 330, as appropriate, complete configuration and restart your PC.
- 6 Start Windows.
- 7 From the Windows Control Panel, select "MIDI Mapper."
- 8 Click on "Setups" in the Show box and select "DSPS MPU-401" in the Name box.

Uninstalling the Software

To uninstall the software, follow the same instructions for installing the software.

Select "Uninstall" from the install program, and follow the instructions on the screen to complete the uninstallation.

Using the Sound Box

The Sound Box is equipped with various types of input and output connectors, allowing you to connect the following external audio devices (only the headphones are supplied):

- Microphone, or other audio source devices having line out jacks
- Headphones, speaker system or amplifier to playback sound
- Cassette deck to record sound
- MIDI instrument/joystick

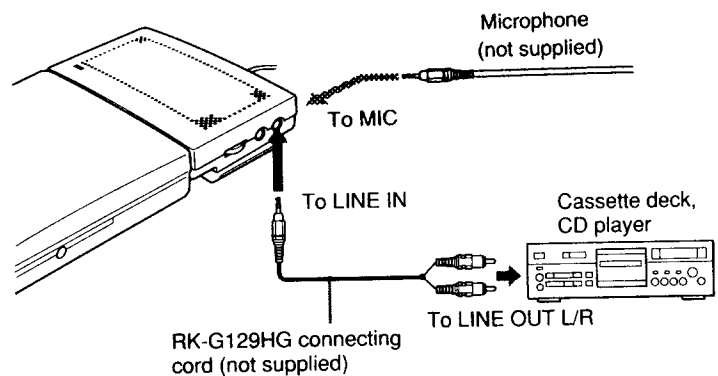
Notes

- You can use the above external devices only when the application software supports the devices. Be sure to consult the operating instructions of the software you use.
- Proper operation is not guaranteed when you use software which requires large conventional memory.

Connecting audio source devices

Connect a microphone to the MIC jack.

Connect other audio source devices such as a cassette deck or a CD player with line out jacks to the LINE IN jack.

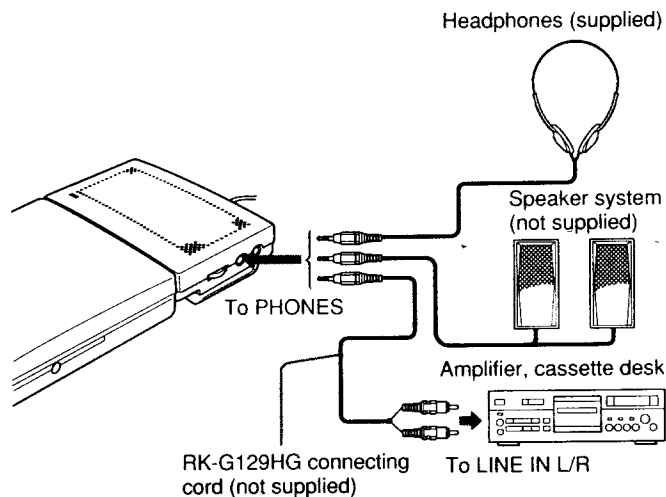


Note

The MIC jack on the Sound Box is monaural.

Connecting headphones, speaker system, amplifier or recording cassette deck

Connect headphones, a speaker system, an amplifier or a cassette deck to the PHONES jack.



Turning on/off the internal speaker

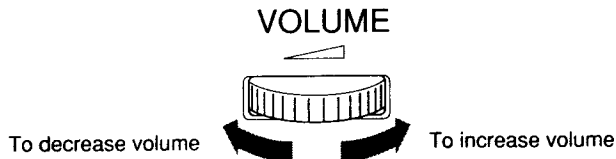
Use the SPEAKER ON/OFF switch.
When using an external device to playback sound, you can turn off the internal speaker.

Note

When connecting a speaker system, use a speaker system which is equipped with an internal amplifier.

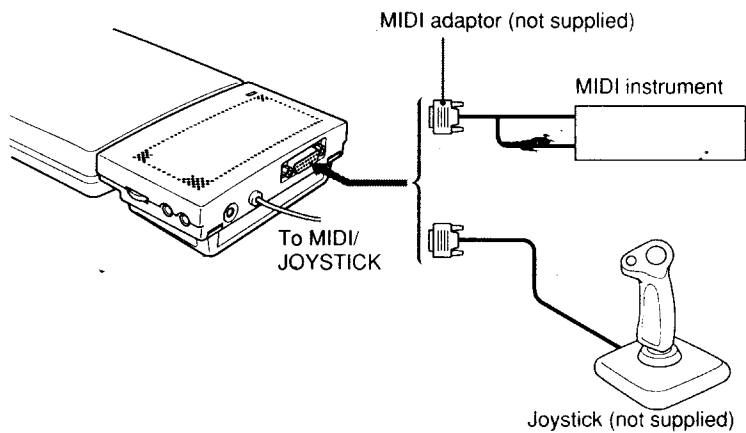
Adjusting the sound volume

Use the VOLUME control to adjust the volume of sound played back by the connected external device.



Connecting MIDI instrument or joystick

Connect a MIDI instrument or joystick to the MIDI/JOYSTICK connector.



Using the internal speaker

When nothing is connected to the PHONES jack, the internal speaker can be used to playback sound.

Turning on/off the internal speaker
Use the SPEAKER ON/OFF switch.

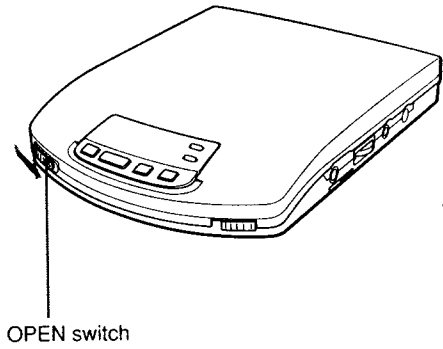
Adjusting the speaker volume
Use the VOLUME control to adjust the speaker volume.



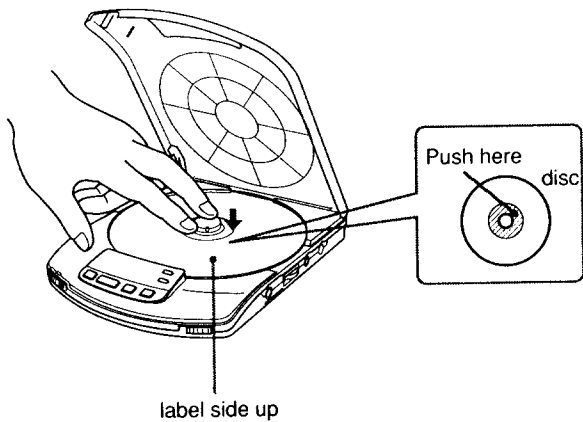
Starting

Make sure the unit has access to a power source and to your PC, and the Installation Software is installed.

1 Slide the OPEN switch to open the disc cover.



2 Insert a CD-ROM disc into the disc compartment.
Push gently around the center of the disc until it clicks into place, being careful not to touch the lens.



CD-ROM Operation