

Panasonic

Portable CD-ROM Player

Operating Instructions

Model No. **KXL-807A**



This manual contains the information on handling the player. Please read this manual first. For the information on setting up the driver for use with your computer, please read the Setup Manual enclosed with this manual.

Please carefully read this manual and the enclosed Setup Manual.
Keep these documentation in a safe place for future reference.

Thank you for purchasing the Panasonic Portable CD-ROM Player KXL-807A.

WARNING

- The power source voltage of the AC adaptor is listed on the nameplate. Plug the optional AC adaptor only into an outlet with proper voltage.
- To prevent fire or shock hazard, do not expose this product to rain or any type of moisture.

CAUTION

- When you operate this equipment with the optional AC adaptor, the mains socket-outlet should be near the equipment and should be easily accessible.
- To prevent the interface connector from static electricity damage, before you touch it, discharge any static electricity from your hands by touching a grounded metal surface, such as the screw on the plate cover of an electric outlet.

CAUTION FOR LASER

This product utilizes a laser.

Use of control, adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Do not open covers and do not repair yourself. Refer servicing to qualified personnel.

Laser diode properties

Material	AlGaAs
Laser output	Less than 48.5 μ W
Wave length	785 nm
Emission duration	Continuous

(This output is the value measured at the distance of 200 mm from the objective lens surface.)

The serial number of this unit may be found on the label located at the bottom of the unit. Write this number below and keep this book along with your proof of purchase to serve as a permanent record of your purchase or for future reference. For warranty service you may be required to show your purchase records.

MODEL NO. KXL-807A NAME OF DEALER _____

SERIAL NO. _____ DATE OF PURCHASE _____

FOR USERS IN UNITED STATES ONLY

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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 determine 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.

The user may find the booklet "Something About Interference" available from FCC local regional offices helpful.

FCC Warning: To assure continued FCC emission limit compliance, the user must use only the recommended shield interfacing cable when connecting to a host computer. Also, any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

- Microsoft, MS-DOS, Windows and Windows NT are registered trademarks of Microsoft Corporation in the United States and/or other countries.
- Photo CD is a registered trademark of Eastman Kodak Company.

All other brands and product names are trademarks or registered trademarks of their respective companies.

Permission is granted from Microsoft Corporation to use Microsoft® Windows® Screen Shots.

Specifications given in these Operating Instructions are subject to change without notice.

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■ Features:

- **Fast Performance - Ultra Compact Design**
 - 20X (Max.)*¹ performance portable CD-ROM player
 - Weight less than 12 ounces (approx. 330 g)
 - Slim design and lightweight - a truly portable drive
- **Easy Connection to a Notebook Computer with a PC Card Slot (PCMCIA Type II)**
 - Includes Plug & Play PC card interface*²
- **Power right from your PC Card Slot*³ so it's truly plug & play**
 - Plug the ATAPI PC card into your Notebook computer and its ready to use
 - No need to carry power cables or batteries*³
 - Optional AC adaptor (KX-WZ337) available
- **Supports Various Operating Systems**
 - Drive supports DOS, Windows® 3.1, 3.11*⁴, Windows® 95*⁵ and Windows NT® 3.51, 4.0*⁶ *⁷
 - Includes E-Z installation Setup Disk

*¹ When used with optional AC adaptor.

And performance will vary depending on computer specifications.

*² The supplied ATAPI PC card supports the Plug & Play function for Windows 95.

*³ The ability to power the player from a PC card slot depends on power capability of your notebook computer.

*⁴ Microsoft® Windows® operating system Version 3.1 or 3.11 (hereafter Windows 3.1, 3.11)

*⁵ Microsoft® Windows® 95 operating system (hereafter Windows 95)

*⁶ Microsoft® Windows NT® Workstation operating system and Microsoft® Windows NT® Server network operating system Version 3.51 or 4.0 (hereafter Windows NT 3.51, 4.0)

*⁷ The player cannot be shared on a network.

Important:






■ Please use CD-ROMs with the marking below.

■ Please use audio CDs with the marking below.

COMPACT
disc

COMPACT
disc
DIGITAL AUDIO

Table of Contents

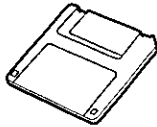
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Accessories

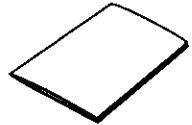
Make sure that the following accessories are included with the player. If anything is missing, contact your dealer immediately.

Setup disk (P. 10)

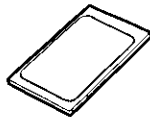
[Before opening the packet, please read the End-User License Agreement P. 27.]



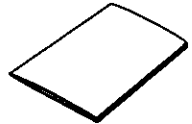
Operating Instructions
(this manual)



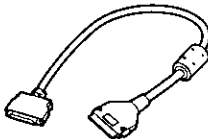
ATAPI PC card
(PCMCIA Type II • CD-ROM Interface Card) (P. 10)



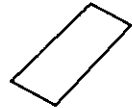
Setup Manual



Interface cable (P. 10)



Warranty Card

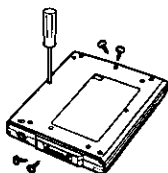


AC adaptor is not included. If you wish to purchase the optional AC adaptor (KX-WZ337) (P. 26), ask your dealer, or call Panasonic at 1-800-346-4768.

Precautions

General

- Do not disassemble the player and do not repair yourself, or it may cause electrical shock hazard, or a laser may damage your eyes.



- Do not store or use the player in a dusty, humid, oily environment, or under damp or moist conditions.
- Do not turn up the volume too high, when using the headphones.
- Do not leave the player in direct sunlight, near a heat source or especially in a hot automobile.
- Do not drop or jar the player.
- Do not touch the pins/terminals of the ATAPI PC card and interface cable.
- When the player has been moved from a cold place to warm place, it may damp or moist. Leave the player for about 1 hour before using.
- Keep magnetic objects away from the player.
- Do not insert any foreign metal object inside the player.
- Do not touch the lens.
- If noise is heard from radio or TV, move the player 2 m (about 6 ft.) away from the radio or TV.
- Do not use any other PC card with the player, except the supplied ATAPI PC card.



AC Adaptor

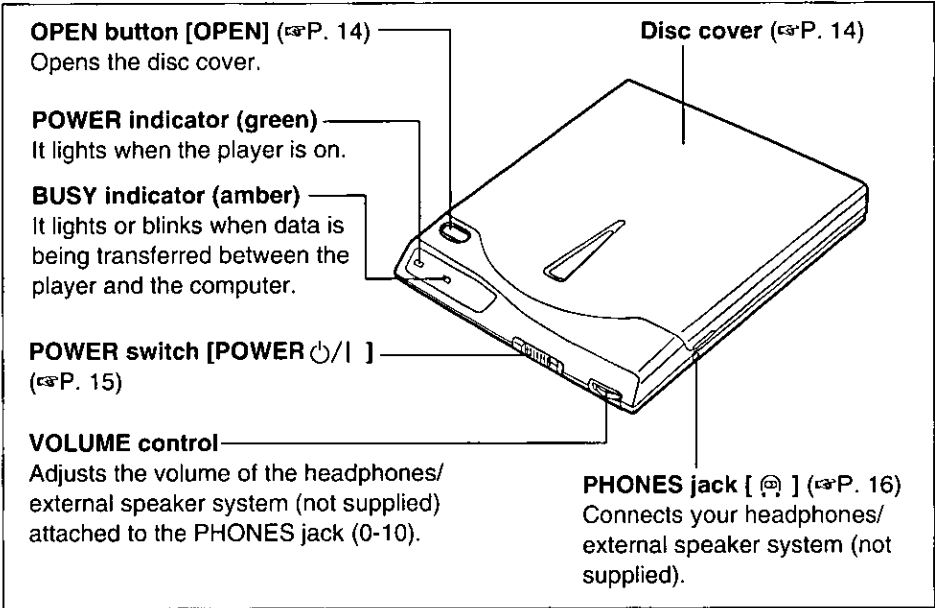
- Use only the optional AC adaptor (KX-WZ337) (P. 26)

CD

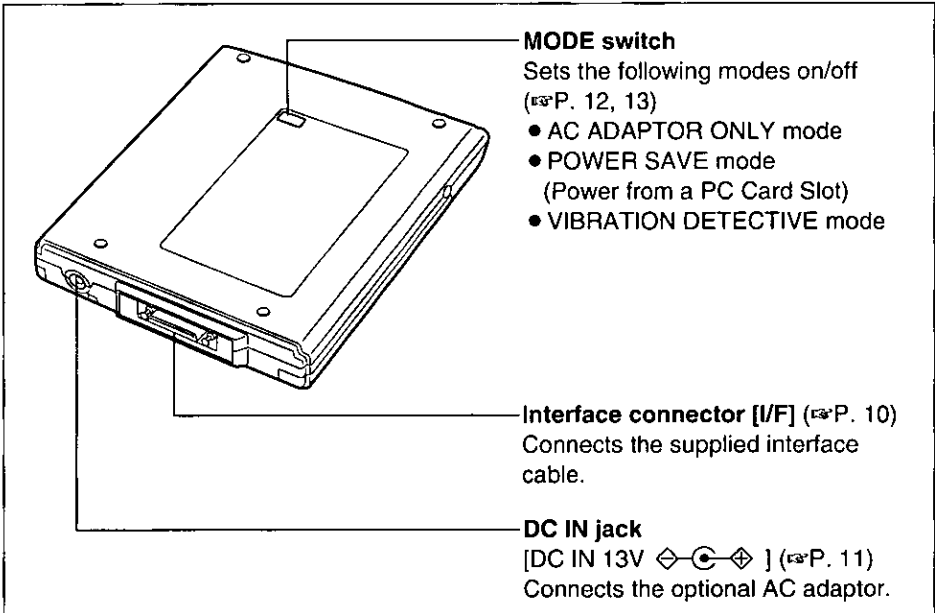
- Do not scratch, smudge, write or label both surfaces of CD.
- Do not leave the CD in direct sunlight, near a heat source or especially in a hot automobile.
- Do not throw or bend CD.
- Do not touch the data side (the side without the label) of CD. Avoid finger prints and scratches while holding it.

Part Names

■ Front / Right Side view



■ Rear / Bottom view



Preparation

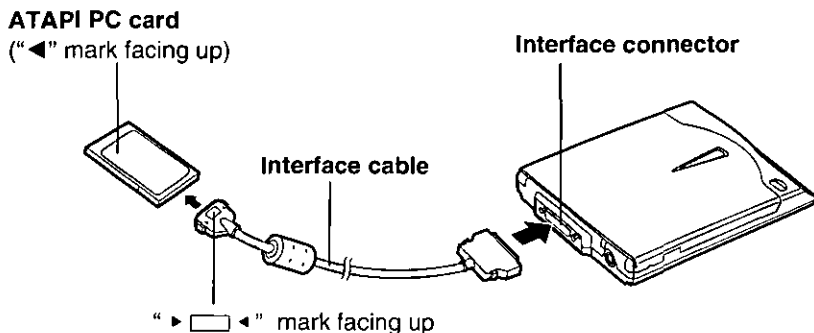
Setup

Step 1 Connection

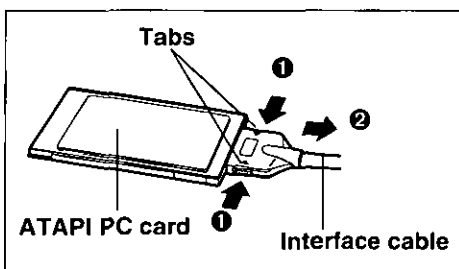
Connect the supplied ATAPI PC card, interface cable and the player. For the connection with the computer, refer to the enclosed Setup Manual.

Note:

- Use only the supplied ATAPI PC card and interface cable with this player. Other ones could damage the player or computer.



■ Disconnecting ATAPI PC card from interface cable:



While pressing the side tabs of it (①), pull the interface cable straight (②).

Caution:

- Do not force the interface cable since this could damage the ATAPI PC card or interface cable.

Step 2 Setting up your computer

To use the player with a computer, you must install a device driver using the supplied Setup disk.

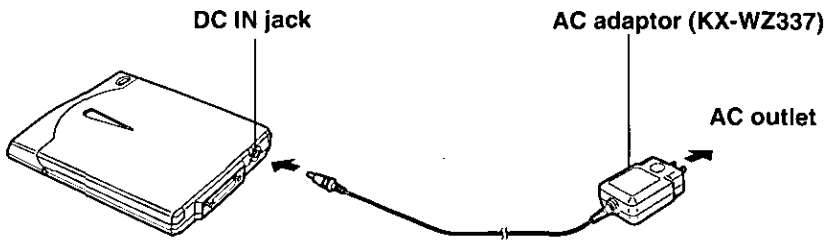
Please refer to the enclosed Setup Manual.

Connecting the Optional AC Adaptor (KX-WZ337)

Please read "Precautions" in the Operating Instructions supplied with the AC adaptor.

Power can also be supplied from a PC card slot. However, using AC adaptor provides faster data transfer and shorter access time (P. 24).

If the power cannot be supplied to the player from a PC card slot due to the poor performance of computer's power supply, use the optional AC adaptor.



Notes:

- If the player is not going to be used for an extended period, unplug the AC adaptor from the AC outlet to reduce power consumption. (Approximately 1 W of power is consumed when the player is OFF and the AC adaptor is connected with 120 V outlet.)
- The AC adaptor is universal voltage. However, its plug is designed for use only in the country where it was purchased.

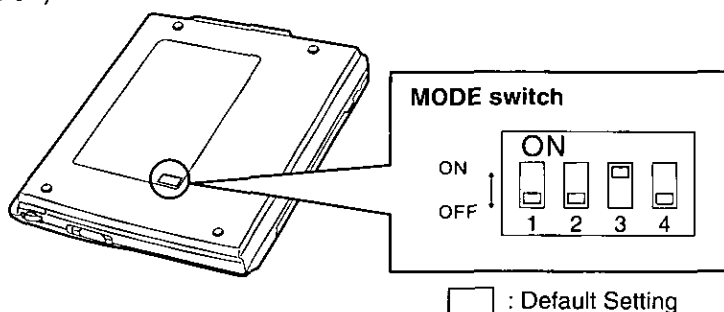


Mode Settings

Normally the player can be used without changing the mode settings. However, if you wish to change a setting, after you confirm the mode setting's functions (P. 13), set the switch (No. 1 to No. 3) to ON or OFF using a pointed object like a pen.

Before changing a mode setting, make sure that a CD is not in the player.

(Bottom view)



Note:

- Switch No.4 is used for MAKER SERVICE mode. Make sure that you use the player with this switch set to OFF.

Switch No.	Mode	Setting	Description
1	AC ADAPTOR ONLY mode *1	ON	The player can be used only when using the optional AC adaptor. The player cannot be turned on when using power from a PC card slot.
		OFF	The player can be used with the power from a PC card slot. If the power can be supplied from both the optional AC adaptor as well as the PC card slot, the AC power has priority over the power supply from a PC card slot.
2	POWER SAVE mode *1 (Power from a PC Card Slot)	ON	The player functions with Power Consumption Save mode (hereafter Power Save mode). If the computer's function is not stable with Power Consumption Normal mode (hereafter Normal mode) or the computer is used for a long time with battery, set this mode to ON. (Data transfer rate is max. 6X.)
		OFF	The player functions with Normal mode. (Data transfer rate is max. 12X.)
3	VIBRATION DETECTIVE mode*2	ON	Vibration detect function works while a CD is spinning. It automatically slows down the spin speed of a CD when the CD vibrates a lot.
		OFF	Vibration detect function does not work while a CD is spinning.

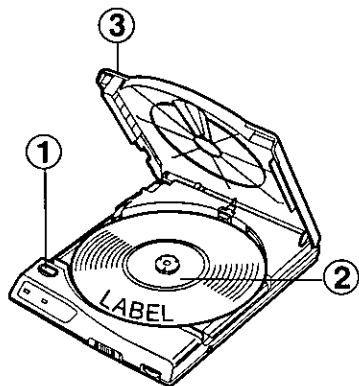
: Default Setting



*1 The player cannot be used with power from a PC card slot if the computer's function is not stable, even when the switch No. 2 is set to ON (Power Save mode). In this case, connect the optional AC adaptor and set the switch No. 1 to ON.

*2 This mode is effective only when using the optional AC adaptor. When the vibration detect function works, the data transfer rate is slowed from max. 20X to max. 16X.



Inserting a CD



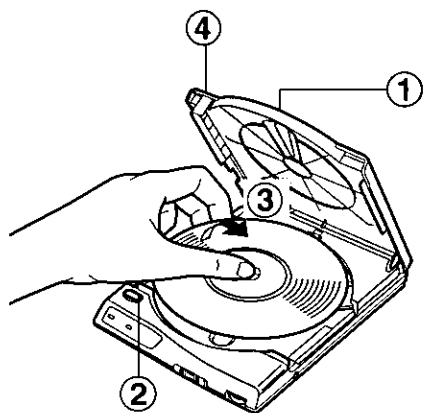
- ① Press  to open the disc cover and then raise it.
- ② Place a CD onto the disc spindle. Press on the center of a CD until it locks onto the disc spindle.
- ③ Close the disc cover. Press  on the disc cover.


Caution:

- Insert a CD firmly until it locks onto the spindle and then close the disc cover, or the CD may fall off the spindle and be damaged.

Removing a CD

Make sure that the BUSY indicator is off.

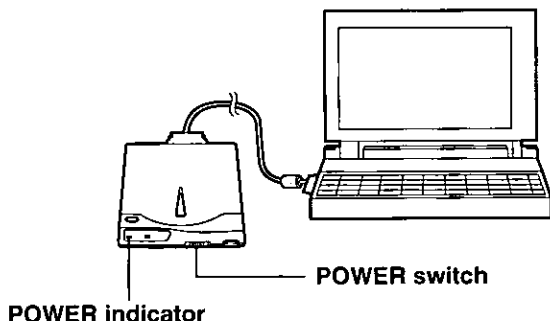


- ① Make sure that the CD is not spinning.
- ② Press  to open the disc cover and then raise it.
- ③ Carefully remove the CD by lifting it. Press on the disc spindle, then lift the CD by holding its edge.
- ④ Close the disc cover.

Power On / Off

Power of the player is automatically turned on/off when the computer's power is turned on/off. Similarly, if the ATAPI PC card can be inserted/removed with the computer turned on (P. 19), the power of the player is automatically turned on/off when the ATAPI PC card is inserted/removed. [The POWER indicator (green) is lit when the player is turned on.]

However, the player's power may not be disconnected even when the computer is turned off depending on the computer's setting (Suspended, Resumed, etc.). In this case, turn off the player by sliding its POWER switch.



- It is recommended that you use the computer with AC power. If the player is used with power from a PC card slot, the computer's battery may be consumed very quickly. When the computer indicates "Battery weak", immediately connect the AC adaptor to the computer.
- When using power from a PC card slot, if the computer is on, the ATAPI PC card consumes approximately 0.1 W of power even if the player is turned off. Also, some computers will supply power to the ATAPI PC card even when they are in Resume (Power Save) mode.
If the player is not going to be used for a long period, it is recommended to remove the ATAPI PC card to save power consumption. For insertion/removal of the ATAPI PC card, refer to page 19.
- When the ATAPI PC card is inserted with the computer turned off, the player may be automatically turned on depending on the computer's setting (This is not abnormal).



Using the Player with Computer

Note:

- When the BUSY indicator (amber) is lit or blinking, observe the following precautions since a data is being transferred between the player and the computer.
 - Do not open the disc cover.
 - Do not disconnect the ATAPI PC card.
 - Do not slide the POWER switch of the player.
 - Do not disconnect the AC adaptor if the optional AC adaptor is being used.Otherwise, your computer may hang up. If this happens, restart your computer.

Playing a CD-ROM

To use a CD-ROM, refer to the manual or "README" file included with the CD-ROM.

- Some types of CD-ROMs [game CD-ROM with audio track, CD-Extra, Portfolio CD (Photo CD), etc.] allow you to listen to the sound or music through the headphones/external speaker system (not supplied) with the PHONES jack of the player. Connect the headphones/external speaker system (not supplied) with the PHONES jack of the player. If the LINE IN jack is available on the sound system of your computer, make a connection between the LINE IN jack of the computer and PHONES jack of the player using an audio cable with \varnothing 3.5 mm mini stereo plug at both ends. The cable can be obtained at mass electronics stores.

Playing an Audio CD

You can operate an audio CD on a computer using an audio CD control software. Sound can be heard through the PHONES jack.

- To listen to the sound or music of an audio CD, connect the headphones/external speaker system (not supplied) with the PHONES jack of the player. If the LINE IN jack is available on the sound system of your computer, make a connection between the LINE IN jack of the computer and PHONES jack of the player using an audio cable with \varnothing 3.5 mm mini stereo plug at both ends. The cable can be obtained at mass electronics stores.

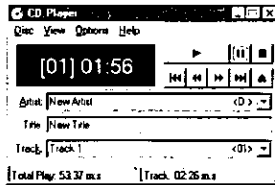
Running the software under Windows 95 or Windows NT 4.0

- Under Windows 95, an audio CD is automatically played after an audio CD is inserted into the player. However, if an audio CD is not played automatically, play it by referring to the following instructions.

You can use either of the following methods (A) or (B).

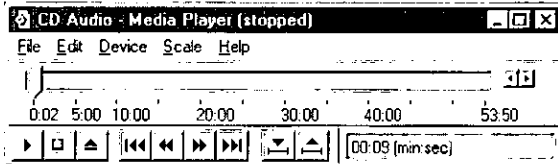
- (A) Select “**Multimedia**” from the Accessories group of Program Menu to start “**CD Player**”.

(Example)



- (B) 1. Select “**Multimedia**” from the Accessories group of Program Menu to start “**Media Player**”.
2. Select “**CD Audio**” from the Device menu.

(Example)



If an audio CD control software is not installed, install the software using “Add/Remove Programs” in Control Panel. For detailed information, refer to the manual of Windows 95/Windows NT 4.0, or “Help” file for Windows 95 (P. 7 in the Setup Manual)/“README.TXT” file for Windows NT 4.0 (P. 17 in the Setup Manual).

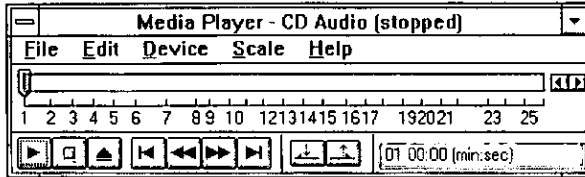


Using the Player with Computer

Running the software under Windows 3.1, 3.11 / Windows NT 3.51

1. Start "Media Player" from the Accessories program group.
2. Select "CD Audio" from Device menu.

(Example)



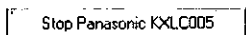
If the "CD Audio" is not displayed, install the Windows device driver "[MIC] CD Audio" from the Drivers in Control Panel. For detailed information, refer to the manual of Windows 3.1, 3.11/Windows NT 3.51 or "README.TXT" file (P.10, 14 in the Setup Manual).

Insertion / Removal of the ATAPI PC Card

For Windows 95 user

The supplied ATAPI PC card supports the Hot Swapping (Plug & Play) function. With the computer turned on, you can insert/remove the ATAPI PC card without fear of hardware damage. Before removing the ATAPI PC card, perform the following steps.

1 Click PC Card icon  in task bar.



2 Click "Stop Panasonic KXLC005".



3 Make sure that the message "You may safely remove this device" is displayed, then click **OK**.

4 Remove the ATAPI PC card.

For DOS / Windows 3.1, 3.11 user

With the computer turned on, you can insert/remove the ATAPI PC card, if a PC Card Manager is installed on the computer (refer to your computer manual for details). When you start running your computer, make sure that the ATAPI PC card is inserted into the PC card slot before turning on the computer. If your computer has more than one slot, and if you want to re-insert the ATAPI PC card, you must insert it into the same slot it was inserted when starting the computer.

Note:

- Do not remove the ATAPI PC card when the BUSY indicator (amber) is lit or blinking, since data is being transferred between the computer and the player.

For Windows NT user





With the computer turned on, you cannot insert/remove the ATAPI PC card. Please turn off your computer to insert/remove the ATAPI PC card.



Troubleshooting

If trouble occurs, check the following points before returning the player for service.

Trouble	Possible Cause	Solution
<p>The player is not turned on automatically when the computer is turned on.</p>	<p>MODE switch No. 1 is set to ON.</p>	<ul style="list-style-type: none"> ● When using power from a PC card slot: set the MODE switch No. 1 to OFF, then remove and insert the ATAPI PC card for Windows 95 user or restart the computer for the other user. ● When using AC power supply: connect the optional AC adaptor.
	<p>The interface cable or ATAPI PC card is not connected to the player or to the computer properly.</p>	<p>Properly connect the interface cable or ATAPI PC card (P. 10).</p>
<p>Your computer does not recognize the player.</p>	<p>The computer does not have the CD-ROM player's device drivers installed yet.</p>	<p>Set up the computer (P. 10).</p>
	<p>The connector of the interface cable is bent or broken.</p>	<p>Consult your dealer (or contact Panasonic Service Center at 1-800-PANA-SYS for users in continental United States).</p>
<p>The player or the computer does not function properly.</p>	<p>The interface cable or ATAPI PC card is not connected to the player or to the computer properly.</p>	<p>Properly connect the interface cable or ATAPI PC card (P. 10).</p>
	<p>The connector of the interface cable is bent or broken.</p>	<p>Consult your dealer (or contact Panasonic Service Center at 1-800-PANA-SYS for users in continental United States).</p>
	<p>MODE switch No. 4 is set to ON.</p>	<p>Set the MODE switch No. 4 to OFF (P. 12).</p>

Trouble	Possible Cause	Solution
The player or the computer does not function properly.	<p>■When using power from a PC card slot:</p> <p>Computer's battery is low.</p> <p>Power cannot be supplied from a PC card slot depending on the performance of computer's power supply.</p>	<p>It is recommended to use computer with AC power.</p> <p>Set the MODE switch No. 2 to ON (☞P. 12, 13). If the player still does not function, connect the optional AC adaptor and set the MODE switch No. 1 to ON.</p>
	<p>■When using AC adaptor (option):</p> <p>The optional AC adaptor is not connected into the outlet or DC IN jack properly.</p>	<p>Connect the optional AC adaptor properly (☞P. 11).</p>
	<p>The Auto Protect function of AC adaptor is working.</p>	<p>Disconnect the optional AC adaptor and connect it again after 2-3 minutes.</p>
The player (especially disc spindle), AC adaptor (option) or ATAPI PC card is warm.		This is not abnormal. If they become abnormally hot, consult your dealer.
Transmission speed of data slows down when using AC adaptor (option).	The CD is warped and the player is in the VIBRATION DETECTIVE mode.	<p>Set the MODE switch No. 3 to OFF to deactivate the VIBRATION DETECTIVE mode (☞P. 12, 13).</p> <p>However, if the CD is heavily warped and has strong vibration, the data may not be read.</p>
Sound skips, or data can not be read.	CD is placed with the label side facing down.	Place the CD with the label side facing up (☞P. 14).
	<p>CD without  or  mark is used.</p>	Use the CD marked with  or  (☞P. 4).
	CD or the lens of the player may have become dirty.	Clean the CD or the lens of the player (☞P. 23).
	CD is damaged.	Replace with another CD.
	Dust such as a hair lay on the disc spindle.	Clean the disc spindle.



Troubleshooting

Trouble	Possible Cause	Solution
Sound skips, or data can not be read.	The player or/and CD are damp or moist, because the player or/and CD may have been moved from a cold place to a warm place.	Remove the CD from the player and do not use the player and CD for about 1 hour.
Sound of audio CD or CD-ROM cannot be listened.	Connection to the PHONES jack is not proper.	Connect the headphones/ external speaker system (or an audio cable) to the PHONES jack firmly (P. 9, 16).
	The player's VOLUME control is set to "0".	Set the player's VOLUME control to a higher level (P. 9).
	<p>■ When the computer's sound system and the player's PHONES jack is connected:</p>	
	The volume is set to the lowest level in the "Volume Control" or "Mute" is selected on the software control of the sound device.	Set the volume higher level, or cancel the "Mute" selection. For further information refer to your sound device manual.
The player is not turned off automatically when turning off the computer.	Depending on the computer's setting (Suspended, Resumed, etc.), the player is not turned off when the computer is turned off. Refer to your computer's manual.	Turn off the player by sliding its POWER switch.
The player cannot be turned off by sliding its POWER switch.		Remove the ATAPI PC card from the computer's PC card slot. If using optional AC adaptor, disconnect the AC adaptor.

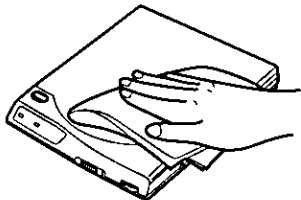
Maintenance

Caution:

- Do not use solvents such as benzine, thinner, alcohol, record cleaners or anti-static spray.

■ When the outside of the player is dirty:

Clean the outside of the player with a soft, dry cloth.

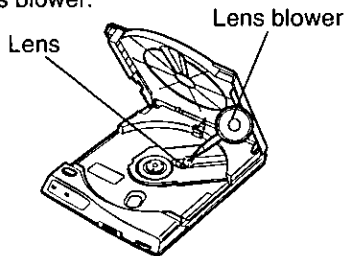


■ When sound skips or data cannot be read:

Wipe from the center to the edge with a dry, soft cloth.



Clean the lens with a commercial lens blower.



Specifications

Operating Environment (under no damp or moist conditions):	Temperature: 5°C {41°F} to 35°C {95°F} Humidity: 20% to 85% RH
Storage Environment (Non-condensing):	Temperature: -20°C [-4°F] to 55°C {131°F} Humidity: 15% to 85 % RH
Dimensions:	130 (W) × 162.8 (D) × 24.3 (H) mm {5.12"x6.41"x0.96"}
Mass {Weight}:	Approx. 330 g {11.6 oz.} (without ATAPI PC card and interface cable)
Power Sources:	<ul style="list-style-type: none"> • Power from computer (uses power from a PC card slot): DC 5 V • Optional AC Adaptor (KX-WZ337): 100-240 V, 50/60 Hz
Interface:	ATAPI (Interface card: PCMCIA 2.1)
Interface Connector:	50-pin
Buffer Size:	128 KB
MPC:	MPC level 2 (The capability differs depending on the computer or software.)
Data Transfer Rate*':	<ul style="list-style-type: none"> • With power from a PC card slot <ul style="list-style-type: none"> • Normal mode: 800 KB/s (inner: 5.3X) to 1800 KB/s (outer: 12X) • Power Save mode: 375 KB/s (inner: 2.5X) to 900 KB/s (outer: 6X) • With optional AC adaptor 1275 KB/s (inner: 8.5X) to 3000 KB/s (outer: 20X) [when the vibration detect function works, 1100 KB/s (inner: 7.3X) to 2400 KB/s (outer: 16X)]
Access Time (The information is based on the test results measured 1/3 stroke by Panasonic test software):	<ul style="list-style-type: none"> • With power from a PC card slot <ul style="list-style-type: none"> • Normal mode: 220 ms typical • Power Save mode: 260 ms typical • With optional AC adaptor 130 ms typical

*' Performance may vary based on computer specifications.

Power Consumption:	<ul style="list-style-type: none"> ● With power from a PC card slot (DC 5 V) <ul style="list-style-type: none"> • Normal mode <ul style="list-style-type: none"> when playing CD-ROM: Approx. 4.2 W when the player is turned off: Approx. 0.1 W • Power Save mode <ul style="list-style-type: none"> when playing CD-ROM: Approx. 3.7 W when the player is turned off: Approx. 0.1 W ● With optional AC adaptor <ul style="list-style-type: none"> when playing CD-ROM: Approx. 9.5 W when the player is turned off: Approx. 1.0 W 	
Compatible CD, CD-ROM Format:	CD-DA (Audio CD) ^{*1} , CD-i ^{*2} , VIDEO CD ^{*2} , CD-ROM (Mode 1 , Mode 2 Form 1), CD-ROM XA (Mode 2 Form 2), Photo CD ^{*3} (Multisession compatible), CD Extra	
Error Rates:	Soft read errors Hard read errors	Less than 10 ⁻⁹ Less than 10 ⁻¹²
Audio Performance Phones Out (stereo):	S/N Maximum output level	More than 80 dB (A Range) 14 mW (EIAJ) (impedance 16 Ω)
ATAPI PC Card and Interface Cable:	Power source Card type Card dimensions Cable length Data transfer rate Mass (Weight) (with cable)	DC 5 V, approx. 20 mA PCMCIA Type II 54 (W) × 85.6 (D) × 5 (H) mm {2.13" × 3.37" × 0.20"} Approx. 400 mm (without connector) 3 MB/s (MAX.) Approx. 110 g {3.9 oz.}



^{*1} Audio CD titles can only be played if the computer has an audio CD control software.

^{*2} CD-i or VIDEO CD titles can only be viewed if the computer has software or hardware MPEG decoding capability.

^{*3} Software required for viewing Photo CD titles is not included.

Option

The following option is available through your local Panasonic authorized distributor.

Model Name	Model No.
AC adaptor	KX-WZ337

To purchase the AC adaptor directly from Panasonic, ask your dealer, or call Panasonic at 1-800-346-4768.

If you use the optional AC adaptor, observe the following precautions.

- Do not plug-in or remove the AC adaptor using wet hands.
- Make sure the AC outlet or cord for the AC adaptor does not exceed the limit of their electrical ratings.
- Make sure the prongs of AC adaptor are fully inserted into the AC outlet.
- Periodically remove the dust from the prongs of AC adaptor.
- Only use the AC adaptor indoors.
- Do not damage the AC adaptor by scratching or modifying, or bending its prongs.
- Do not use the AC adaptor under the following conditions.
 - when it is damaged
 - when there is smoke or strange smell
 - when an abnormal sound is heard
- Do not disassemble the AC adaptor.

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FOR USERS IN CONTINENTAL UNITED STATES ONLY

Technical Support Calls

If you have read this manual and Setup Manual and tried the troubleshooting procedures, and you are still having difficulty, please contact the store from which the unit was purchased. Panasonic Computer Peripheral Company will repair this product with new or refurbished parts free of charge for two (2) years from the date of purchase.

You may also call the technical support telephone number (24 hour, 7 day/week automated technical support. Live technical support M-F, 9 am-5 pm EST).

**The technical support number is: 1-800-PANA-SYS
(1-800-726-2797)**

Software drivers are sometimes updated. You can download the latest or new setup disk via your modem.

Internet: <http://www.panasonic.com>

BBS: @ 201-863-7845

This product is designed for use only in the country where it was purchased.

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