Specifications

Dimensions

Internal CD-RW Drive

CRD-BP1400P
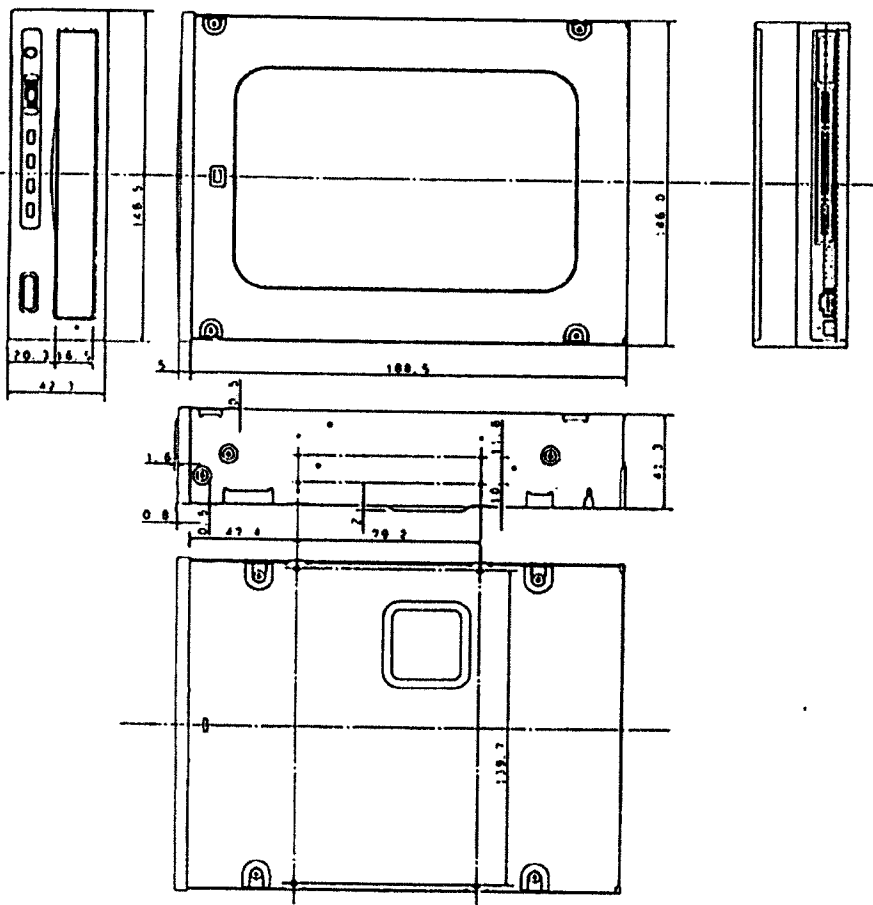
OWNER'S MANUAL

Unit: mm

● Use screws 3 mm in diameter and 4±0.5 mm in length.

FCC Compliance Statement

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. Operation is subject to the following two conditions. (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation. These limits are designed to provide reasonable protection against harmful interference in residential installations. 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.
- Move the equipment away from receiver.
- Plug the equipment into an outlet and circuit different from that which powers the receiver.
- If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions.

CAUTION:

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

The equipment should not be adjusted or repaired by anyone except qualified service personnel.

Any changes or modifications to the equipment by the user not expressly approved by the manufacturer could void the user's authority to operate the equipment.

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

LE PRÉSENT APPAREIL NUMÉRIQUE N'ÉMET PAS DE BRUITS RADIOÉLECTRIQUES DÉPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMÉRIQUES DE CLASSE B PRESCRITES DANS LE RÈGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUE ÉDICTÉ PAR LE MINISTÈRE DES COMMUNICATIONS DU CANADA.

NOTE: Locate serial number (shown on top plate of unit) and record it here → _____

We greatly appreciate your purchase of the CD-RW Drive. To ensure proper use, please read this manual carefully before using the unit. Also refer to the manual of your personal computer.

CAUTION

1. Unauthorized reproduction of this manual in whole or in part is prohibited.
2. The contents of this manual are subject to change without notice.
3. Please contact Sanyo should you find any errors in this manual or should you have any comments.
4. Note that Sanyo will not accept responsibility for any problems resulting from the use of application software.

Table of Contents

About the CD-R Drive

The CD-R (Compact Disc-Recordable) drive is a device for converting the data from the personal computer and storing it on CD-R discs. The internal encoder converts the data transferred from the personal computer into CD format and records it on the CD-R disc.

CDs made using this CD-R drive conform to the physical and logical standards for all types of CDs. As such, CDs made using this CD-R drive can be played on commercially available CD players and CD-ROM drives.

PC Operating Environment

PC/AT compatibles

- For the CPU, use an Intel 486™ Processor SX/33 MHz or later.
- Use PC-DOS 6.3/V or MS-DOS 6.2/V and Windows 3.1/95.
- Use a personal computer with a memory of 8 MB or greater (16 MB or greater recommended).
  Normal recording is possible with an empty XMS memory of 4 MB or greater after starting Windows 3.1/95.
- About 50 MB of empty space is required on the hard disc for on-the-fly recording.
  When recording after creating an image file, sufficient capacity and work area for recording the image file is needed.
  For example, to fully record a 74-minute disc (with a 650 MB capacity), 700 MB or more of space is necessary on the hard disc considering the work area.

Part Names and Functions

Front Panel
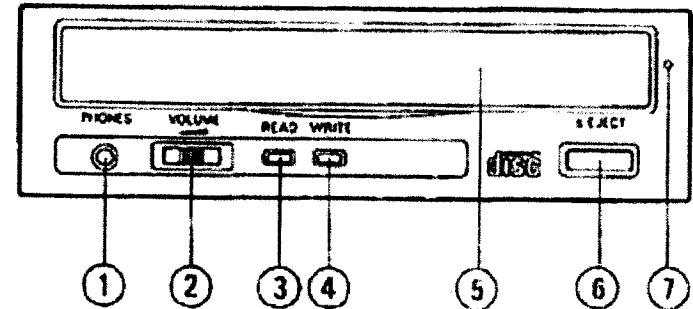
① **Headphones jack (PHONES)**
Connect headphones with a stereo mini-plug here.

② **Headphones volume control (VOLUME)**
Use this to adjust the volume of the headphones connected to the PHONES jack. Turn clockwise to increase the volume.

③ **Read indicator (READ)**
This indicates the reading (playback) mode.
When lit: Disc being read or accessed
When flashing: TOC being read
When off: Pause or stop mode

④ **Write indicator (WRITE)**
This lights when data is being written (recorded).

⑤ **Disc tray**
Set the disc here. Press the EJECT button to open and close the tray.

⑥ Eject button (EJECT)

Press this to load or eject the disc.
Note that this button will not function during recording or when a prohibit command is received from the personal computer.

⑦ Emergency eject hole

Use this to forcibly remove a disc should the EJECT button not function due to power failure or software problems. For details, refer to "Removing Discs in Emergencies".

Rear Panel
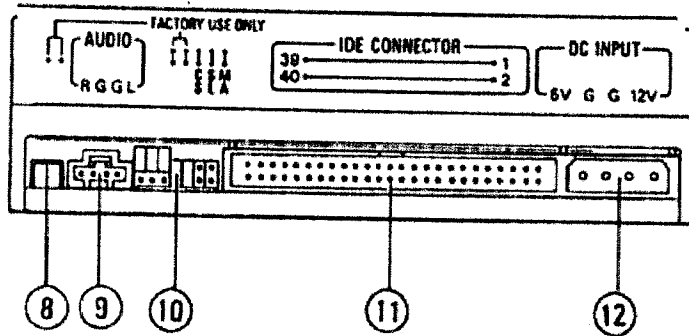
⑧ Ground terminal (GND)

Use this when the CD-R drive does not directly touch the personal computer's metal frame. Connect the ground cable between this terminal and the personal computer's metal frame.

⑨ Audio connector (AUDIO)

Audio signals are output from this connector. Use this when a sound port compatible with this connector is installed on the personal computer.

⑩ Jumpers

⑪ IDE CONNECTOR

Connect the personal computer,s IDE cable here.

⑫ DC connector (DC INPUT)

Connect the personal computer's DC power cable here.

Installation
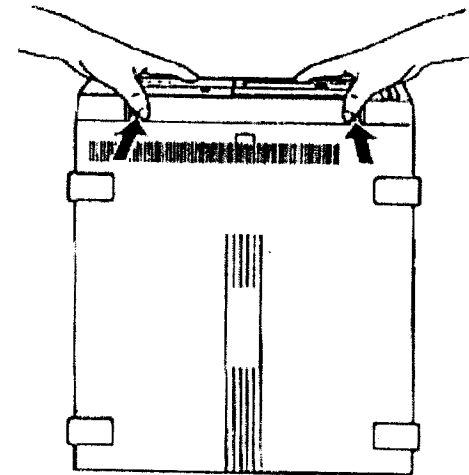
Installing on the Personal Computer

Preparations

● Turn off the personal computer's power and for safely disconnect the power cord.
● Disconnect all the cables for peripheral devices from the personal computer.
● Remove the personal computer's cover.
● Remove the drive bay cover on the front panel of the personal computer.

For disconnection procedures, refer to the personal computer's owner's manual.

Here we describe how to install the CD-RW drive on Sanyo personal computer.
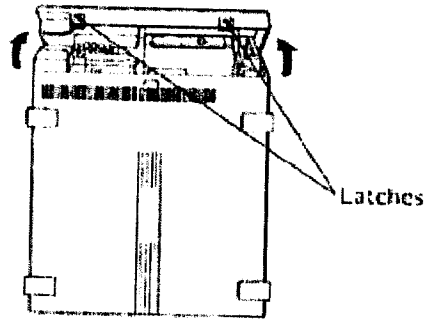
Removing the cover

1. Set the personal computer so that the front panel is at the top, then press on the front panel's latches with your thumbs.
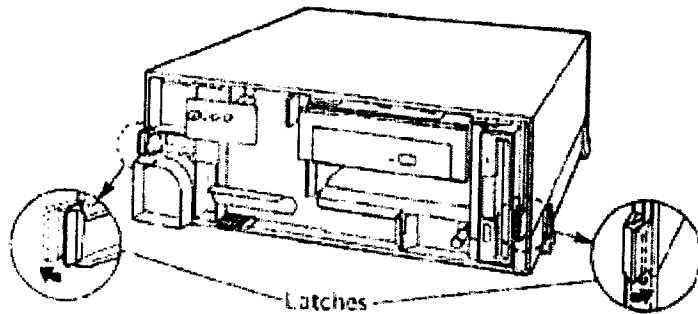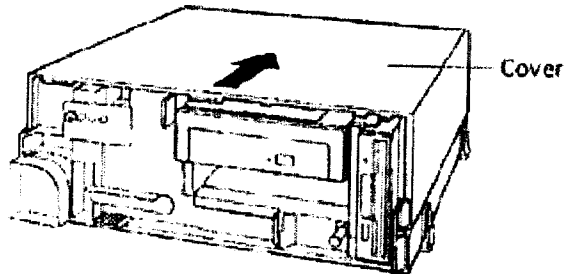
2. Still pressing the latches, remove the front panel.

Latches

3. Press the latches on the sides of the personal computer outwards.

Latches

4 With the latches pressed outwards, push the cover towards the rear panel and remove it.

Cover

NOTE:
On some personal computers the cover is attached with screws. In this case, remove the screws to remove the cover.

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Removing the floppy disk drive

NOTE:
On some personal computers the CD-RW drive can be installed without removing the floppy disk drive. Here we describe how to remove the floppy disk drive if necessary.

1. Remove all cables connected to the floppy disk drive and CD-RW drive. Mark the cables as you remove them.

2. Press in the direction of the arrow and remove the floppy disk drive and CD-RW drive units.
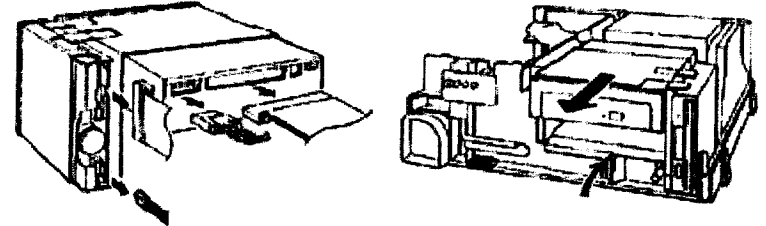
3. Remove the four screws, then remove the floppy disk drive from the unit. Keep the screws.

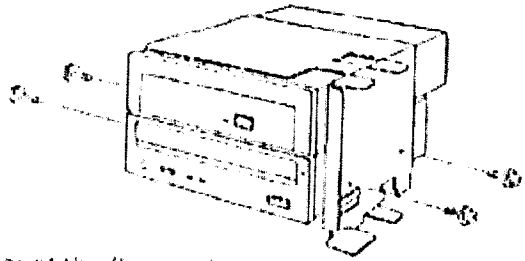CD-RW drive

Floppy disk drive
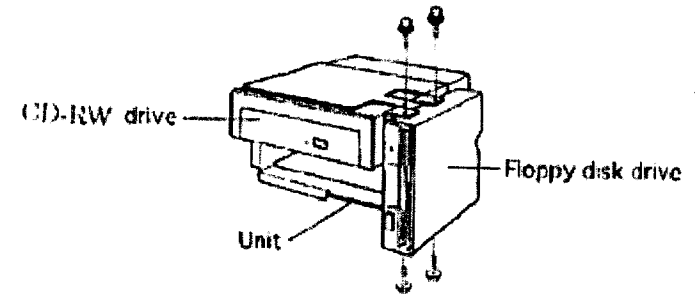
Unit

Mounting the CD-RW drive on the unit

1. Have four screws ready.
   Use screws 3 mm in diameter and 4±0.5 mm in length.
   Here are 12 screw holes on the CD-RW drive. Refer to the dimensions diagram.
2. Insert the CD-RW drive into the empty drive bay.

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3. Fasten the CD-RW drive in place using the screws.

4. Remount the floppy disk drive using the same screws as before.
5. Fasten the unit onto which the CD-RW drive has been mounted onto the personal computer.
6. Connect the cables to the floppy disk drive and CD-RW drive as before.
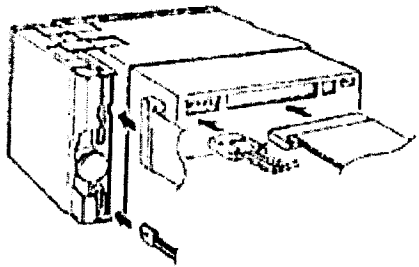
Connecting the IDE cable
1. Connect the IDE cable to the CD-RW drive

Colored wire

IDE cable