SAMSUNG

CD-R/RW DRIVE
SCW-230

User's Guide - ENGLISH

http : //www. samsung. electronics. com.

BG68-10024A
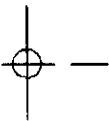
Safety Warnings
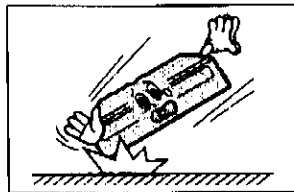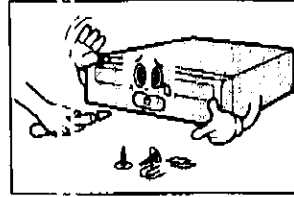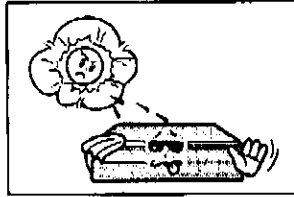
The following diagrams illustrate the precautions to be taken when using your CD-R/RW drive.
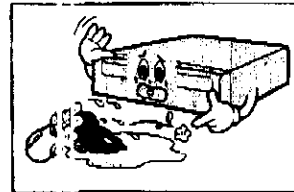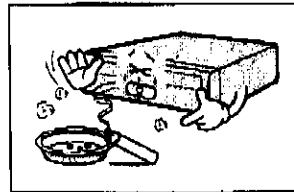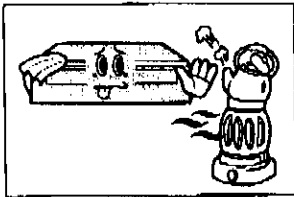
You must not use the drive in any manner other than that specified in this guide.

CAUTION   Do not attempt to repair the CD-R/RW drive yourself. Contact your
dealer or local SAMSUNG representative for all repairs.
Use of controls or adjustments or performance of procedures other than
those specified here in may result in hazardous radiation exposure.

To reduce the risk of fire or electric shock, do not expose this appliance to rain or
moisture.

WARRANTY   Please refer to the Samsung limited warranty statements.

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Front View of the CD-R/RW Drive

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1 Headphone Connector
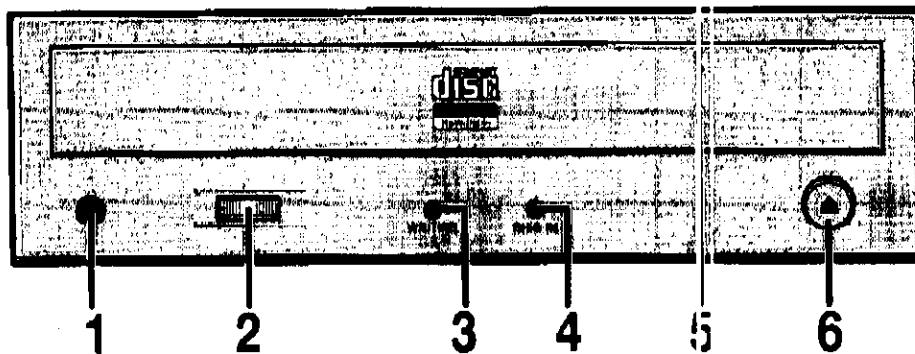The audio output connector enables you to plug stereo headphones into the drive. It requires a 3.6mm stereo mini-jack.

2 Volume Control Dial
This control dial adjusts the volume for your headphones. You can only use the headphone jack and volume control when you have installed the required software utilities. For example, the Microsoft Windows Media player can be used.

3 Writing LED
When you write data in the disc.(Blink:Test mode, On:Write mode)

4 Reading/Disc In LED
When you play a disc or when you place a disc in the tray

5 Disc Tray
The Disc Tray opens and closes automatically when you press the Open/Close button.
◆ When you place a disc in the tray, make sure that the label on the disc is facing upwards. If you are not loading or unloading a disc, the disc tray should remain closed.
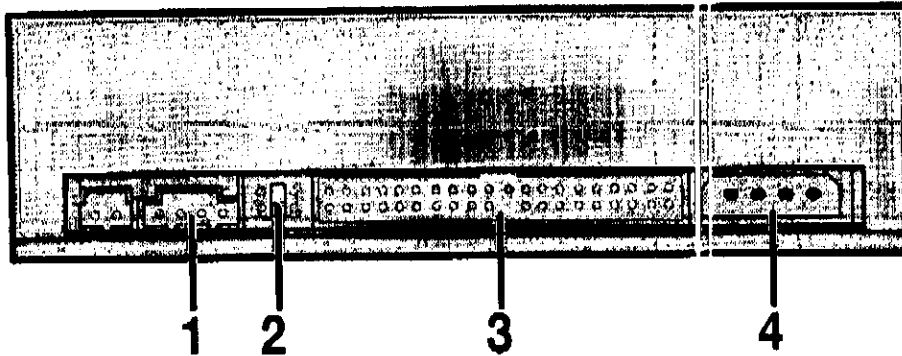
6 Open/Close-Button
Press open/close key.

⚠ 2

Details for each parameter are listed below.

Rear View of the CD-R/RW Drive

1 Audio Output Connector

You can connect a sound card to your drive using this four-pin connector.

☛ This function is not covered in detail in this guide. Refer to the documentation supplied with your sound card.

2 Device Configuration Jumper

Usually, this is a pre-set configuration as illustrated below:

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☛ Verify that the setting is as illustrated. If it is not, simply remove the jumper and place it in the correct position.

3 Host IDE Interface Connector

This input/output interface connector is used to connect the 40-pin flat cable from the IDE interface to the CD-R/RW drive.

4 Power Connector

The power connector is a four-conductor male plug.

⚠ 3

System Requirements

Before you install the CD-R/RW drive, we strongly recommend that you make certain that your set-up meets the system requirements listed below.

Item	Description
Type of computer	Pentium 70MHz(or higher) with an IDE interface
RAM	16MB RAM(or higher)
Hard drive	528MB higher(Transfer Rate 800KB/sec higher Access, Time 20m/sec Lower)
MS-DOS	5.0(or higher) TIP:For MS-DOS, The CD-R/RW drive can only Read a disc without Premaster Software
Windows	Microsoft* Windows 95* or Windows NT 4.0* TIP:For Windows NT*, we recommend Service Pack2, Version 4.00.1381.

Installing the CD-R/RW Drive

Install the CD-R/RW drive in your computer horizontally, making sure that the Open/Close button is on the right.

To install the drive, proceed as follows.

1	Turn OFF your computer. Remember to verify the configuration jumper on the rear of the CD-R/RW drive.
2	Remove the cover of your PC(main unit of the computer).
3	Remove the blank cover panel of the 5.25 inch unit in which the CD-R/RW drive is to be installed.
4	Connect the CD-R/RW drive to the IDE interface and power cables located inside your computer. ☞ Connectors are keyed so it is impossible to put them in an incorrect position. Do not force the connectors, if they do not seem to fit.
5	Install the CD-R/RW drive into the unit and secure it with mounting screws (recommended standard M3x6). ☞ ◆ Depending on your PC model, you may need to attach guide rails to the drive, so that the drive is held firmly in place. On the ground that the guide rails are parts of the computer, if you don't have these, please purchase separately. ◆ If you use screws that are longer than the recommended standard, you may damage the drive.
6	Put the cover back on your PC.

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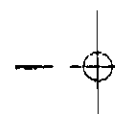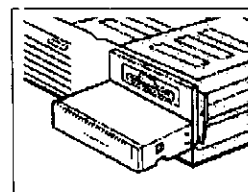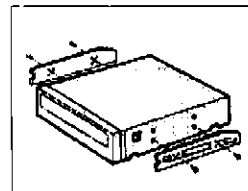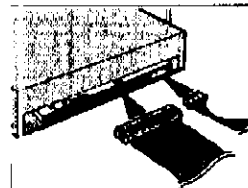
Technical Specifications

SAMSUNG continually strives to improve its products. Both the design specifications and these user instructions are thus subject to change without notice.

SECTIONS		SCW-230
DISC	Reading Disc Types	CD-DA, CD-ROM Mode-1, CD ROM XA Mode-2 Form-1, Form-2, Photo-CD (Single, Mu li Session), Video CD ready, CD-Plus, CD-Extra, Enhanced CD, CD-I/FMV
	Writing Disc kinds	CD-R, CD-RW
	Erasing Disc Kind	CD-RW
	Disc Diameter	12 cm or 8 cm
DRIVE PERFOR- MANCE	Data Transfer Rate	900kb/s (MAX)
		PIO Mode 3, DMA Mode 1
	Access Time (1/3 stroke)	350ms (Typical)
	Data Buffer Capacity	1MB
	Laser	Semiconductor Laser
	Side Motor	Gear Motor
	Spindle Motor	Brushless Motor
	Loading Mechanism	Tray, DC motor(Soft Eject)
WRITING METHOD		Disc At Once, Session At Once, Track At Once, Variable Packet Writing, Fixed Packet Writing
ERROR RATE		Mode 1: 1 block/10^{12}, Mode 2: 1 block/10^9
FRONT PANEL	Eject Button	Auto Eject or Auto Inject
	Green Indicator(LED)	Busy or Place a Disc in the tray
	Red Indicator(LED)	Writing a Disc (CD-R or CD-RW Disc)
	Headphone Output	Stereo Mini-jack(Ø3.6mm)0.60±20%(Vrms)33Ω
	Volume Control	Wheel Type
REAR PANEL	Required Power	+5VDC 1.6A, +12VDC 0.4A (MAX)
	Interface Connector	ATAPI (EIDE)
	Audio Output	Line out 0.70 ±20% (Vrms), 47kΩ
	Jumper Block	Device Configuration Jumper(MOLEX 70203)
OPERATING ENVIRONMENT	Work Area	Temperature : 5~45°C, Humidity : 8~80%
	Storage Area	Temperature : -40~60°C, Humidity : 5~90%
GENERAL	Dimensions	146(W) x 41.5 (H) x 206(D)mm (Including Bezel)
	Weight	1000 g
RELIABILITY	MTBF	100,000 POH (Duty 25%)
	Disc Compartment Loading	30,000 times