



DVD-ROM DRIVE SDR-430

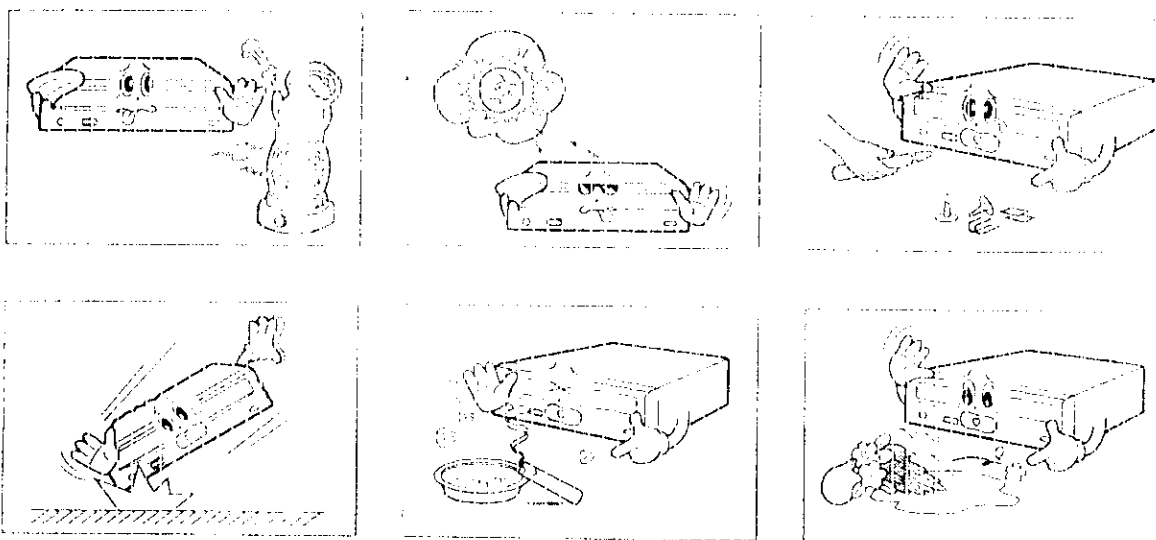
User's Guide - ENGLISH

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BG68-10025A

Safety Warnings

The following diagrams illustrate the precautions to be taken when using your DVD-ROM drive.



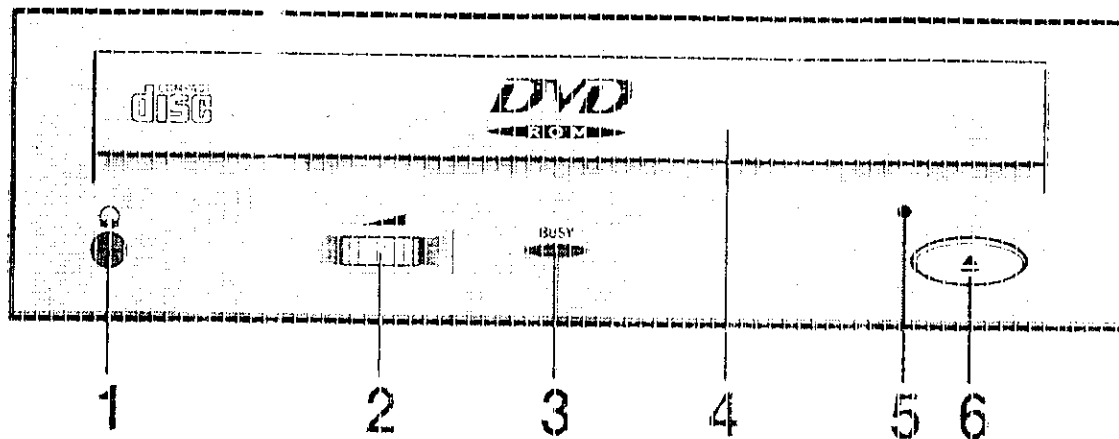
You must not use the drive in any manner other than that specified in this guide.

CAUTION Do not attempt to repair the DVD-ROM 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.

Front View of the DVD-ROM Drive



1 Headphone Connector

The audio output connector enables you to plug stereo headphones into the drive. It requires a 3.6 mm 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 LED

It lights when a DVD/CD disc is loaded or is worked.

4 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 tray should remain closed.

5 Emergency hole

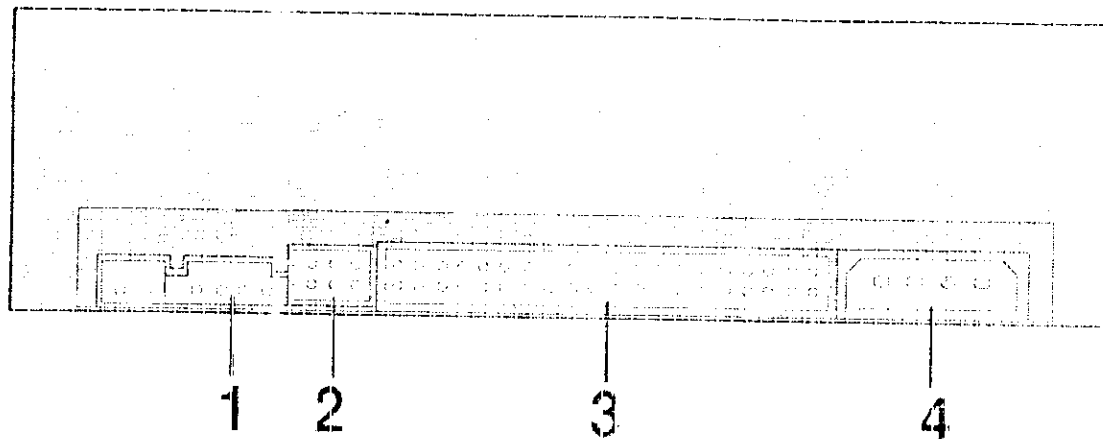
If the tray does not open when you press the Open/Close button, insert a small, metal rod (for example, an unwound paper clip) into this hole to eject the disc.

- This function should only be performed when the computer is powered OFF.

6 Stop(Open/Close) Button

When in play, press the stop key and when in stop, press open/close key.

Rear View of the DVD-ROM 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:



- 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 drive.

4 Power Connector

The power connector is a four-conductor male plug.

System Requirements

Before you install the DVD-ROM drive, we strongly recommend that you make certain that your set-up meets the system requirements listed below.

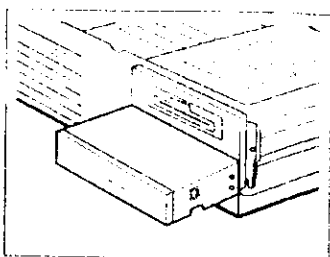
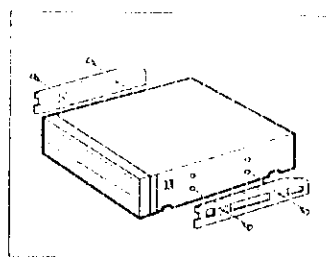
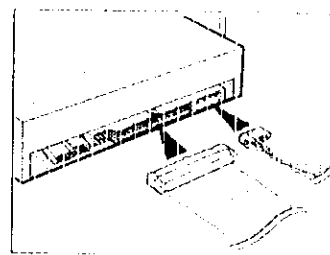
Item	Description
Type of computer	Intel Pentium 466MHz (or higher) with an IDE interface (or a 100% IBM-compatible computer)
Free expansion unit	5.25 inch
Disk space	100 KB minimum
Windows version	95 OS42 (or higher)

Installing the DVD-ROM Drive

Install the 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 DVD-ROM drive.
- 2 Remove the cover of your PC (main unit of the computer).
- 3 Remove the blank cover panel for the 5.25 inch unit in which the DVD-ROM drive is to be installed.
- 4 Connect the DVD-ROM 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 DVD-ROM 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.



Technical Specifications

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

SDR - 430

SECTIONS		DVD	CD
DISC	Disc types supported	DVD-ROM, DVD-VIDEO, C ² D, DA(Audio), CD-ROM, CD-ROM XA, CD Extra, CD Extra, Photo CD(Single, Multi-session), Video CD ready, Enhanced CD, CD-i/FMV, CD-R, CD-RW	
	Disc diameter	12cm or 8cm	
	Rotational speed	Single Layer: Max. 13.96ms(4X) Dual Layer : Max. 5.36ms(8X)	Max. 41.6m/s(32X)
DRIVE PERFORMANCE	Data transfer rate	Sustained : Max. 5400KB/sec	Sustained : Max. 4800KB/sec (32X)
		PIO Mode 4 : 16.6MB/sec Multiword DMA mode 2 : 16.6MB/sec	
	Access time(1/3stroke)	150ms(Typical)	100ms(Typical)
	Data buffer capacity	512KB	
	Laser	Semiconductor Laser	
	Slide mechanism	Stepping motor	
	Spindle motor	Brushless motor	
	Loading mechanism	Tray, DC motor(Soft Eject), Horizontal/Vertical	
ERROR RATE		10 ⁻⁶	MODE1:10 ⁻⁴ , MODE2:10 ⁻⁵
FRONT PANEL	Eject button	Auto eject or Auto inject	
	Indicator(LED)	BUSY	
	Headphone output	Stereo mini-jack(03.6mm) 0.60±0.06V(rms) 33Ω	
	Volume control	Dial type	
REAR PANEL	Required power	+5VDC : 1.0A, +12VDC : 1.5A (Max)	
	Interface connector	ATAPI	
	Audio output	Line out 0.70 ± 0.07V(rms) : 47KΩ	
	Jumper block	Device configuration jumper	
OPERATING ENVIRONMENT	Work area	Temperature : 5 ~ 45°C,	Humidity : 8 ~ 80%
	Storage area	Temperature : -33 ~ 55 °C,	Humidity : 5 ~ 85%
GENERAL	Dimensions	149(W) x 41.5(H) x 200(D)mm (Including bezel)	
	Net weight	900g	
RELIABILITY	MTBF	125,000 POH(Duty 20%)	
	Disc tray loading	50,000 times	