

RDR-102H Operation Manual

(1) About your RDR-102H DVD ROM Drive

Thank you for choosing RDR-102H DVD ROM Drive. It is a 2X speed DVD ROM Drive (Compatible CD ROM 24X speed). It can bring you the unbeatable experience than you ever have.

Please check all the accessories as followings:

- (i) DVD ROM Drive-----1 ea
- (ii) Device Driver Disk-----1 ea
- (iii) Audio cable-----1 ea
- (iv) IDE signal cable-----1 ea
- (v) Screws-----4 ea
- (vi) User manual-----1 ea

Caution

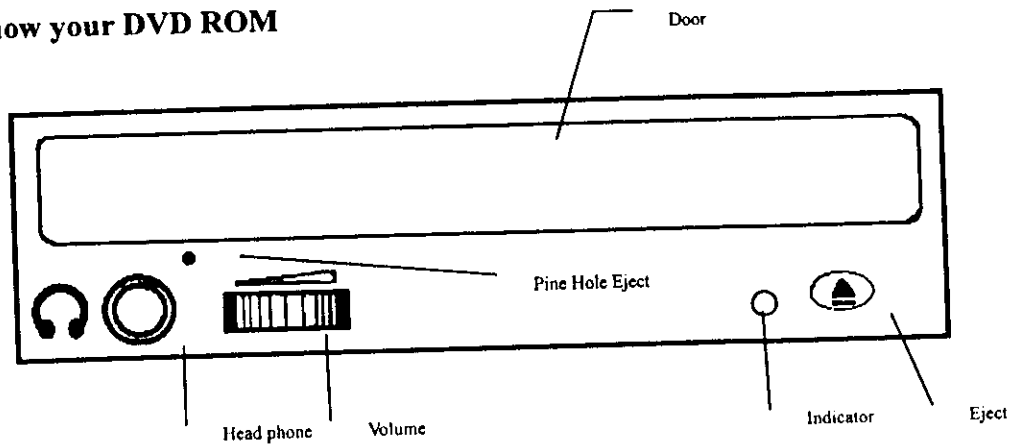
- * To avoid the risk of electric short circuits or damage to your RDR-102H
- * Do not expose your RDR-102H drive to rain or moisture.
- * Do not open or remove the cover of your RDR-102H drive.
- * Turn off your SYSTEM and unplug the power supply cable of your SYSTEM from the wall outlet before installing your RDR-102H drive, interface card or connecting cables.
- * Do not allow liquids or foreign objects to get into this machine.
- * Do not place heavy loads on the RDR-102H drive.
- * Do not USE this RDR-102H drive without mounting it.
- * Firmly attach the DC power supply cable, connecting cables between the RDR-102H drive and other devices, and keep them connected securely.

Federal Communications Commission (FCC) 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. 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.

To know your DVD ROM



Hardware Installation

To install this RDR-102H drive in the host computer, refer to the instruction manual of each host computer. To install the interface card in the host computer, refer to the instruction manual of each host computer and each interface card.

Install the RDR-102H drive following the general installation procedure shown below:

- 1) Check the Device Configuration Jumper Settings of the RDR-102H drive such as Master, Slave, CSEL.
- 2) Turn off the host computer and unplug the power supply cable of the host computer.
- 3) Remove the host computer cover.
- 4) Install the RDR-102H drive into the host computer and mount tightly with screws.
- 5) Check the settings of the interface card.
- 6) Install the interface card in the slot.
- 7) Firmly attach the interface cable from the interface card to the RDR-102H drive.
- 8) Firmly attach audio connecting cable as required.
- 9) Finally, firmly attach a spare DC power supply cable from the

- computer power supply to the RDR-102H drive.
- 10) Install the host computer cover.

Software Installation

To install RDR-102H device driver in the host computer to operate this RDR-102H drive, refer to the instruction manual of each RDR-102H device driver.

Drive Operation

- 1) Turn on the SYSTEM, including the RDR-102H drive.
- 2) Press the OPEN/CLOSE button of the RDR-102H drive to open the disc tray.
Insert the disc in the center of the disc tray.
- 4) To close the disc tray, press the OPEN/CLOSE button on the RDR-102H drive
or push lightly on the center of the front of the disc tray as shown below. The disc tray will automatically close the rest of the way.
- 5) Operate referring to the instruction manual of RDR-102H device driver.

IMPORTANT:

- * Do not press the OPEN/CLOSE button while the host computer is accessing the disc. It may cause an error.
- * When not using the RDR-102H drive, keep the disc tray closed. It will prevent the entry of dust and dirt, and reduce the requirements for disc and lens cleaning.

Emergency Eject Procedure

Only in case of emergency:

If the disc tray does not open when the OPEN/CLOSE button is pressed, make sure that the power of the RDR-102H drive is turned on and that the lock function has not been activated. If the disc tray still will not open, the RDR-102H drive's Manual Emergency Eject Mechanism may still be activated. This should be used only in case of an emergency.

Trouble Shooting

- * If your RDR-102H drive does not operate properly, check the following

table.

- * You may have to check the other devices included in your SYSTEM.
- * If you cannot locate the cause, turn off the power of the SYSTEM, including the RDR-102H drive, immediately unplug the power supply cable of the SYSTEM from the wall outlet, and contact your dealer.
- * When calling for service, provide the following information:
 1. Model name
 2. Detailed symptoms

Symptoms

The RDR-102H Drive does not operate even when a disc is loaded.

The Disc Tray cannot be opened. Communications between the host computer and the devices on the interface cable are not successful.

Possible causes

1. You place the disc upside down in the Disc Tray.
2. The disc is dirty.
3. The pick-up lens is dirty.
4. The disc is scratched or warped.
5. Cable connection is incorrect.
6. The program is incorrect. It is locked by the program.
7. There are devices with the same Device Configuration jumper setting on the interface cable.

Features:

- 2ND Generation DVD ROM Drive for multimedia PC application.
- Based on the Industrial Standard DVD Format
- Support DVD discs: Single and Dual Layer(4.7GB/8.5GB)
- Backward discs compatibility: existing CD-ROM/CD-R/CD-RW discs
- Installation Direction: Horizontal

Specifications:

General Specification	Item		Specification
	Drive Type		Internal
	Interface		ATAPI(EIDE)
	Buffer Memory		512KB(DVD/CD)
	Capacity		17GB/dual-sided double layer
Data Transfer Rate	DVD		2.76MB/sec typ.(CLV 2X)-DVD
	CD		3.6 MB/sec Max.(CAV 24X)-CD
Access Time	Random	DVD	Less than 150msec
		CD	Less than 100msec
	Full-stroke	DVD	Less than 230msec
		CD	Less than 180msec
Error Rate			Less than 10 ⁻¹²
Power Requirement	Power		DC12V±5%(1.2A) DC 5V±5%(1.2A)
Environment	Temperature		Operating 5~45℃ Non-operation -30~65℃
	Humidity		Operation: 20-80% Non-operation: 5-90%
MTBF			75,000 POH(10% Duty)
Dimension			146x41.5x200mm
Weight			0.93Kg