

DDS BACKUP LIBRARY

LKM-SD21-S

INSTRUCTION MANUAL

Please read through these instructions before operating this unit.

IMPORTANT SAFETY NOTICE

NOTICE

- (1) You may not reproduce or transcribe any part of this publication without permission.
- (2) We reserve the right to revise this document at any time without notice.
- (3) If you have any questions about this document, contact your sales representative.

SAFETY NOTICE

- (1) To prevent fire or electric shock, do not expose this appliance to rain or moisture.
- (2) To avoid electric shock, do not attempt to disassemble the cabinet.
- (3) For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

For USA

FEDERAL COMMUNICATIONS COMMISSION (FCC) RADIO FREQUENCY INTERFERENCE STATEMENT

Class B Computing Device

NOTE : 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.

FCC WARNING : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION :

Use shielded connecting cables in order to meet FCC emission limits and also to prevent interference to nearby radio and television reception.

IMPORTANT SAFETY INSTRUCTIONS

1. Read all of these instructions.
2. Save these instructions for later use.
3. Follow all warnings and instructions marked on the product.
4. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use this product near water.
6. Do not place this product on an unstable rack, cart, stand, or table. The product may fall, causing serious damage to the product.
7. This product should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. This product is equipped with a 3-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
9. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
10. If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.
11. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
12. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to service personnel.
13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance, indicating a need for service.
14. Slots and openings in the cabinet and back or bottom are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered.

KIT CONTENTS

- DDS Backup Library Unit
- Power Cable
- Safety Instruction Manual

This product can be used with the attached power cable only.

Recommended Kits

- ◆ SCSI Interface Board
Adaptec SCSI narrow (AHA-2940 series)
- ◆ Terminator (for SCSI daisy Chain)
P/N: ACK-68 TERM KIT (1718100) (by Adaptec)
- ◆ Rack
Please use the suitable rack for this Library.
(should be based on EIA standard)
- ◆ Angle or Rail (Rail-Bracket) for Installing into Rack
Please use the suitable angle or rail for the Library and Rack.
(should be based on EIA standard)
- ◆ Application Software (for Writing / Reading)
ARCserve
NetVault (by BakBone Software)
Backup Exec (by VERITAS Software Corporation)
- ◆ Cartridge Tape
Fuji Film (DDS-4, P/N: DG4-150M)
- ◆ Cleaning Tape
Fuji Film (P/N: DDS DG-15CL WS), Sony (P/N: DGD15CL)

—— If Daisy Chain Connection (for EMC: Electro-Magnetic Compatibility) ——

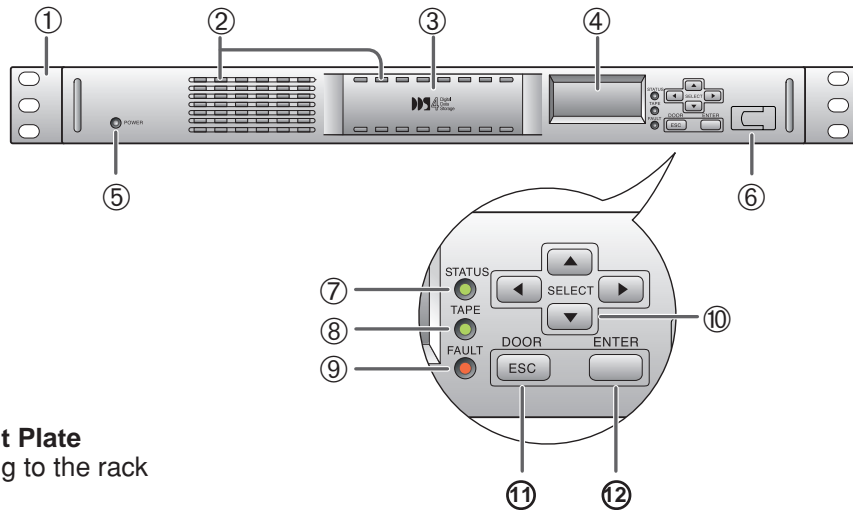
- ◆ SCSI interface cable
Adaptec (P/N: ACK / WP-WP)
- ◆ Ferrite-Core
TDK (P/N: ZCAT2436-1330A-M)

NOTE :

- **SCSI** : Small Computer System Interface.
- All other product/ brand names are trademarks or registered trademarks of their respective companies.

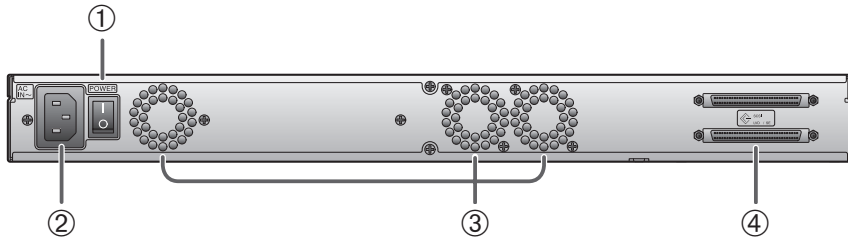
PARTS AND FUNCTIONS

Front View



- ① **Rack Mount Plate**
For mounting to the rack
- ② **Air Flow Hole (for absorption)**
Not be blocked or covered to protect this Library from overheating
- ③ **Cartridge Insertion Portion (Door)**
Trough hole for setting/ ejecting cartridge tape to/from the Library
- ④ **LCD Display**
Displays the Garage/ Cartridge-tape and the Library operating status, and Menu mode screen. This has a backlight function.
- ⑤ **Power LED**
Lights up "Green" when the Library power is ON
- ⑥ **Testing Connector**
Use for repair/ modification (Not use generally)
- ⑦ **Drive Status LED**
Lights up "Green" while accessing to the drive
- ⑧ **Tape Status LED**
Lights up "Green" while setting a tape in the drive
- ⑨ **Fault LED**
Lights up "Red" when any system error occurred (For error detail, see the LCD display)
- ⑩ **Cursor Key Button**
Press to select garage or cartridge tape (Operation mode)
Press to select menu item (Menu mode)
- ⑪ **ESC/DOOR Button**
Press to cancel a execution (escape the interrupted status), return to the previous screen (Menu mode), or close the front door.
- ⑫ **ENTER Button**
Press to input any data/ text, execute the command item or set the selected item.

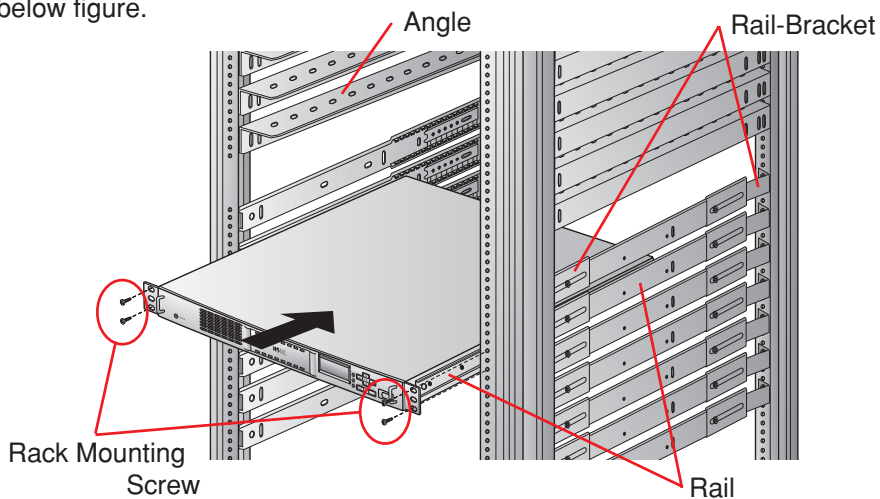
Rear View



- ① **Power On/Off Switch**
- ② **Power Connector**
Connect the attached power cable
- ③ **Fan / Air Flow Hole (for release)**
Not be blocked or covered to protect this Library from overheating
- ④ **SCSI Interface Connector**
Connect the SCSI interface cable (68-pin half pitch type)
– If this Library is a terminal device on the SCSI bus, connect the proper terminator to the other (vacant) connector.

MOUNTING

- 1) If you need the Rail (Rail-Bracket) or Angle for mounting to your rack, attach the suitable ones for the Rack / Library to them.
– For details of installing the Rail (Rail-Bracket) or Angle, refer to each manual for them.
- 2) Gently slide the Library into the vacant rack part, and secure it with mounting screws as below figure.

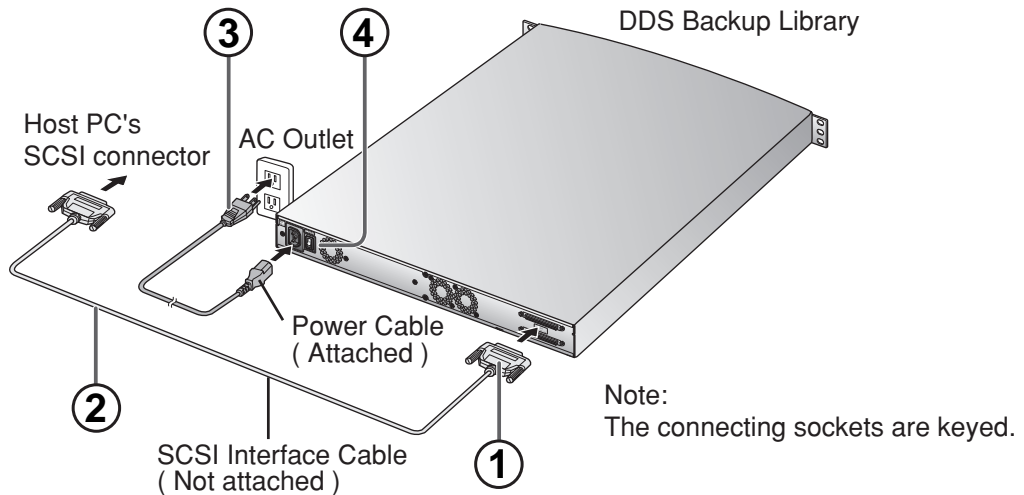


Note :
Surely mount to horizontal direction.
The above equipments (Angle/ Rail/ Rail-Bracket/ Screw) are NOT included with this product.

CONNECTING

Please connect the power and SCSI interface cable to the rear of the Library as follows. Before you begin the below connecting steps, make sure that the host PC and the library Power switch is OFF. (Recommended the host PC power cable is unplugged)

- ① Connect the SCSI interface cable to the Library.
- ② Connect the other end of SCSI interface cable to the host PC's SCSI connector.
- ③ Connect the attached power cable to the Library and AC outlet.
- ④ Switch the Library power ON.
When switch the Library power ON, this Library scans the tape In/Out of all the garages (slots). Please wait for a moment of the slot tape scanning (until "READY" is appeared on the LCD).
- ⑤ Set up SCSI ID number with key-buttons and LCD display in Menu mode.
If the default setting is incorrect for your system, please set up according to the system. (Set up to the vacant ID No.)
- ⑥ Turn your host PC power ON.

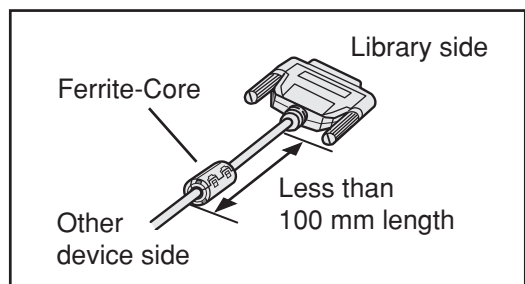


If Daisy Chain Connection

If connect other SCSI device to the other SCSI connector on the Library (SCSI daisy Chain connection), follow the below procedure for EMC (= Electro-Magnetic Compatibility).

Please connect the recommended SCSI interface cable mounted the Ferrite-Core to the other SCSI device side as below figure.

Note :
These SCSI interface cable and Ferrite-Core are NOT attached with this product.



SPECIFICATION SUMMARY

GENERAL PERFORMANCE

- | | |
|--------------------------|-------------------------|
| ① Power rating | 120 – 240 V ~ AUTO |
| | 0.5 – 0.28 A 50 / 60 Hz |
| ② Dimensions (W x H x D) | 430 x 44 x 650 mm |
| ③ Weight | 11.5 kg [typical] |

ENVIRONMENTAL CONDITIONS

- | | | |
|--------------------------------------------------|----------------------|------------------------------------------|
| ④ Temperature | Operating: 5~40 °C | Non-operating: – 40~65 °C |
| ⑤ Humidity | Operating: 20~80 %RH | Non-operating: 0~90 %RH |
| (Max. wet bulb temp. is 26 °C, Non-condensation) | | (Non-condensation,
No cartridge tape) |

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.