

- The application product (LB-DF71) is the unit used in the system.
- This manual is the excerpt of only portions related to the application of the manual of whole system.

# Precautions

## WARNING

- To reduce the risk of fire, electric shock or product damage,
- Do not expose this unit to rain, moisture, dripping or splashing.
  - Do not place objects filled with liquids, such as vases, on this unit.
  - Use only the recommended accessories.
  - Do not remove covers.
  - Do not repair this unit by yourself. Refer servicing to qualified service personnel.
- AC cable [LB-DF73]**
- The socket outlet shall be installed near the equipment and shall be easily accessible.
  - The apparatus shall be connected to a mains socket outlet with a protective earthing connection.
  - Do not use any other AC cables except the supplied one.
- DC cable [LB-DF70/LB-DF71/LB-DF72C]**
- The socket outlet shall be installed near the equipment and shall be easily accessible.
- Exclusive use connection cable**
- Do not use any other Exclusive use connection cables except the supplied one. [LB-DF70/LB-DF71/LB-DF72Z/LB-DF72C/LB-DF73]

- Interface cable**
- Connect the interface cable only when the server to be connected to this unit is turned off. [LB-DF70/LB-DF72C]
- Do not use any other SAS cables except the supplied one. [LB-DF70/LB-DF72C]

- Small object**
- Keep the screws out of reach of children to prevent swallowing.

## CAUTION

- Unit**
- This unit utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. [LB-DF70]
  - This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.
  - Be sure to use the mounting brackets to secure the unit to the 19-inch rack. [LB-DF70/LB-DF71/LB-DF72Z/LB-DF72C/LB-DF73]
  - The unit is in the standby condition when the external power supply is connected. The primary circuit is always "live" as long as the external power supply is on. [LB-DF71/LB-DF72Z/LB-DF72C]
  - Do not place sources of naked flames, such as lighted candles, on this unit. [LB-DF70/LB-DF72C/LB-DF73]
- Placement**
- To reduce the risk of fire, electric shock or product damage,
- Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated. [LB-DF70/LB-DF72C/LB-DF73]
  - Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items. [LB-DF70/LB-DF72C/LB-DF73]
  - This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. [LB-DF71]

**[LB-DF70]**  
**Standby/on switch [ON/OFF]**

Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

USA Only: Disposal may be regulated in your community due to environmental considerations.  
For disposal or recycling information, please visit Panasonic website:  
<http://www.panasonic.com/environmental/> or call 1-888-769-0149.

The symbols on this product represent the following:

|  |                               |
|--|-------------------------------|
|  | AC [LB-DF73]                  |
|  | DC [LB-DF70/LB-DF71/LB-DF72C] |
|  | Stand-by/ON [LB-DF70]         |

**FCC Note:**  
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**FCC Caution:** To assure continued compliance, follow the attached installation instructions and use only shielded interface cables with ferrite core when connecting to computer or peripheral devices.  
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Responsible Party:**  
Panasonic Corporation of North America  
Two Riverfront Plaza, Newark, NJ 07102-5490  
Support Contact: <http://shop.panasonic.com/support>

**[LB-DF73]**  
**Fuse**  
Location: Center of rear panel  
To replace a fuse:  
1. Disconnect power and remove the AC plug.  
2. Rotate the fuse holder counterclockwise and remove it.  
3. After inserting the new fuse, rotate the fuse holder clockwise to fix it securely.

Type: F20AH 600 V  
For continued protection against risk of fire, replace only with same type and rating of fuse.

**AC Outlet**  
Location: Center of rear panel  
Rated specification: 277 V 60 Hz  
UNSWITCHED 4 A MAX.  
Using an AC outlet of a higher rating than specified may cause risk of fire.

| Product                           | Location |
|-----------------------------------|----------|
| Base Module                       | Side     |
| Bottom Module                     | Front    |
| Extension Module (without drives) | Side     |
| Extension Module (with drives)    | Side     |
| Server Bay                        | Back     |

- For Customers**
- No modifications may be made to the products.
  - Installation can only be performed by the vendor.
  - Please remove products that are no longer in use to prevent falls in case of an accident.
- For Vendors**
- No modifications may be made to the products.
  - If the installation cannot be secured, reinforce to ensure sufficient strength.
  - Make sure the specified accessories are used for the installation.
  - Please follow the prescribed installation process.

**[LB-DF70/LB-DF72C]**

|                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| CAUTION - LASER RADIATION WHEN OPEN.<br>DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.<br>FDA 21CFR / CLASS IIIa |
| CAUTION - CLASS 3R LASER RADIATION WHEN OPEN.<br>AVOID DIRECT EYE EXPOSURE. IEC60825-1:2007 / CLASS 3R                              |
| ATTENTION - RAYONNEMENT LASER, CLASSE 3R. EN CAS D'OUVERTURE, EVITER UNE EXPOSITION DIRECTE AVEC LES YEUX.                          |
| FORSIGTIG - LASERSTRÅLING KLASSE 3R. NÅR LÅSET ER ÅBENT, UNNGÅ ÅT UTSÆTTE ØINENE FOR DIREKTE STRÅLING.                              |
| VARO - AVATTAESSA OLET ALTTIINA LUOKAN 3R LASERSTRÄLYLLE. ÄLÄ KATSO SUORAAN SÄTEESEEN.                                              |
| VARNING - KLASSE 3R LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN DIREKT.                                             |
| VORSICHT - LASERSTRÄHLUNG KLASSE 3R. WENN ABDECKUNG GEÖFFNET, DIREKTE BESTRÄHLUNG DER AUGEN VERMEIDEN.                              |
| 注意 - 打开时有3类激光辐射。避免直射人眼。                                                                                                             |
| 注意 - ここでを開くとクラス3Rのレーザー放射が出ます。目への直接照射を避けてください。 VQL2Y96                                                                               |

(Inside of product)

# Overview of functions

The Panasonic DATA ARCHIVER LB-DF7 series is a high-capacity storage library device using optical discs.

The basic library device system of the LB-DF7 series consists of the following:

- Base Module LB-DF70 : 1
- Bottom Module LB-DF71 : 1
- Extension Module (with drives) LB-DF72C : 3
- Extension Module (without drives) LB-DF72Z : 2
- Server Bay LB-DF73 : 1

The Base Module, which serves as the centerpiece of the system, is connected to other modules with control cables to exchange control signals with external servers. Also designed for magazine storage, it can accommodate up to 76 magazines. In addition, the Base Module has three built-in drives for reading and writing data.

The Bottom Module has a function that takes the optical discs of magazines stored in each module in and out of drives, and a scanner that reads the built-in RFID tags of magazines.

The Extension Module (with drives) can also accommodate up to 76 magazines and houses three built-in drives for reading and writing data.

The Extension Module (without drives) can accommodate up to 76 magazines.

The Server Bay has slots for inserting a designated server and AC-DC converter.

In addition, the Server Bay is provided with a dedicated DC-DC converter slot, which works by receiving signals output from the AC-DC converter above, to supply power to the Base Module and Bottom Module.

The Slide Support Unit LB-XF001 contains seven slide brackets used for mounting each module in a rack.

## Magazine

A single magazine stores 12 disks and has a capacity of 3.6 TB (unformatted/RAID 0).

Each magazine has a built-in HF RFID tag. When the drawer, which is on the back of each module, is pulled out and pushed in to store/replace/eject a magazine, the scanner starts the read operation of the RFID tag to obtain the magazine information for the system.

## Maximum capacity of the unit

Maximum capacity per base system is 1641.6 TB (456 magazines, unformatted/RAID 0).

## Compatibility with 19-inch rack

The unit can be installed in a 19-inch rack conforming to the EIA standard.