

# SAFETY GUIDELINES

**Important Info:** Do-it-yourself repairs not covered in this manual will invalidate the warranty.

## SAFE HANDLING

The system must not be run without all units in place. In order to comply with applicable safety, emission and thermal requirements, no covers should be removed and all bays must be populated.

Permanently unplug the unit if you think that it has become damaged in any way.

Shut down and unplug the unit before moving it.

**Caution:** If this equipment is used in a manner not specified by LaCie, the protection provided by the equipment may be impaired.

## SAFETY

The 4big Rack Office unit must only be operated from a power supply input voltage range of 100 to 240 VAC, 50 to 60 Hz.

Make sure that the socket outlets are located near the equipment and are easily accessible.

Before removal/replacement of the power supply, disconnect supply power for complete isolation.

## ENVIRONMENT

A safe electrical ground connection must be provided to the power cord. Check the grounding of the enclosure before applying power.

Provide a suitable power source with electrical overload protection to meet the requirements laid down in the technical specification.

Never expose your device to rain, or use it near water, or in damp or wet conditions. Never place objects containing liquids on the enclosure, as they may spill into its openings. Doing so increases the risk of electrical shock, short-circuiting, fire, or personal injury.

Always unplug the device from the electrical outlet if there is a risk of lightning or if it will be unused for an extended period of time. Otherwise, there is an increased risk of electrical shock, short-circuiting, or fire.

Hot surfaces (heatsinks) are exposed when the enclosure top cover is removed. Disconnect power and allow the enclosure to cool before working inside the system.

Rotating fan blades are exposed when the enclosure top cover is removed.

When pulled out from the rack, the enclosure must not be used as a shelf to support any other object.

**Caution:** Do not remove covers from the PSU: there is a danger of electric shock inside. If the PSU fails during the warranty period, return the entire chassis to LaCie.

## RACK SYSTEM SAFETY PRECAUTIONS

The rack cabinet must be capable of supporting the total weight of the installed enclosure(s) and the design should incorporate stabilizing features suitable to prevent the cabinet from tipping or being pushed over during installation or in normal use.

When loading a rack cabinet with the units, fill from the bottom up and empty it from the top down.

**Caution:** To avoid danger of the cabinet toppling over, under no circumstances should more than one enclosure be drawn out of the cabinet at any one time.

The cabinet design should take into consideration the maximum operating ambient temperature for the unit, which is 35°C.

The cabinet should have a safe electrical distribution system. It must provide overcurrent protection for the unit and must not be overloaded by the total number of units installed in the rack. When addressing these concerns, consider the electrical power consumption rating shown on the product.

The electrical distribution system must provide a reliable ground for each unit and for the cabinet.

The power Supply Unit has a ground leakage current of 3.5mA. The design of the electrical distribution system must take into consideration the total ground leakage current from all the power supplies in all the units.

When configured, the cabinet must meet the safety requirements of IEC 60950-1 2nd edition.

## RACK INSTALLATION PRE-REQUISITES

The 4big Rack Office enclosure is designed for installation into an industry standard 19 inch rack cabinet subject to the following requirements:

- There must be a minimum depth of 430mm (16.9 inches) from rack posts to maximum extremity of enclosure (excluding rear cabling).
- The rack must be able to support enclosures weighing up to 9.5kg (21lb).
- There must be a minimum gap of 25mm (1 inch) between the rack cover and front of the enclosure
- There must be a minimum gap of 50mm (2 inches) between the rear of the enclosure and the rear of the rack in order to maintain the correct air flow around the enclosure.
- Use in a fully enclosed rack installation is not recommended.
- The rack design should take into consideration the maximum operating ambient temperature for the unit, which is 35°C.
- The system must be operated with low pressure rear exhaust installation. The back pressure created by rack doors and obstacles must not exceed 5 pascals (0.5mm water gauge).

The top cover on the enclosure provides access to the RAM, hard drives, and riser card slot in the motherboard.

**Caution:** Operation of the enclosure system with ANY modules missing will disrupt the airflow and the system will not receive sufficient cooling. It is ESSENTIAL that all drives and other components are installed before operating the unit.

**Caution:** The top cover should be removed only when the unit has been turned off and allowed to cool down. Potential hazards include rotating fans and hot surfaces.

Upon replacement, the cover **MUST** be secured by screwing tight the appropriate screws at the rear with a screwdriver (this is to prevent users/operators from accessing service areas).

## EQUIPMENT HANDLING PRECAUTIONS

Observe all conventional ESD precautions when handling 4big Rack Office internal components. Avoid contact with backplane components, module components, etc.

Drives are fragile and must be handled with care during removal/replacement.

## DATA SECURITY

**Important Info:** Any loss, corruption, or destruction of data while using a LaCie drive or drive system is the sole responsibility of the user, and under no circumstances will LaCie be held liable for the recovery or restoration of this data. To help prevent the loss of your data, LaCie highly recommends that you keep **TWO** copies of your data; one copy on your external hard disks or hard disk system, for instance, and a second copy either on your internal hard disk, another external hard disk, or some other form of removable storage media.

**Important Info:** 1GB = 1,000,000,000 bytes. 1TB = 1,000,000,000,000 bytes. Once formatted, the actual available storage capacity varies depending upon the operating environment (typically 10-15% less).