

Z-Series™ Hardware Guide

This guide provides information about the Hammer Z-Series™ hardware (Z-box and Z-rack storage enclosures), including the following sections:

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For details on installing the Personal Storage Manager (PSM) software application, refer to the *Personal Storage Manager Release Notes* document. For information about using PSM, see the *Personal Storage Manager User's Guide*.

Contact Information

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Product Overview

The Hammer Z-Series™ with Z-SAN technology includes the Z-box desktop and the Z-rack 1U rackmount storage enclosures. These storage enclosures, in conjunction

with the Personal Storage Manager software application, provide a comprehensive data storage solution for home and business users.

Connecting the Z-Series™

This section provides instructions for setting up the Z-box or Z-rack.

Connecting the Z-box or Z-rack

- 1 Connect the Z-Series™ storage enclosure to your local area network (LAN).
- 2 Connect the Z-Series™ to a power outlet and power it on.
- 3 Connect one or more PCs to your network.

Note: Your Z-Series™ enclosures and PCs that will run Personal Storage Manager must all be on the same subnet. In addition, you must have DHCP enabled either through a server or through a router.

Following Z-box or Z-rack connection, install the PSM software application following the instructions in the *Personal Storage Manager Release Notes* document.

Product Usage

This Z-Series™ storage enclosure usage section explains care of your Z-Series™, helps you understand the LED indicators, describes how and when to reset the Z-Series™.

Care for the Z-Series™

Place the Z-Series™ storage enclosure in a safe location on a flat surface. The Z-rack can also be mounted on a standard 1u rack using the enclosed hardware. Do not expose the Z-Series™ storage enclosure to extreme heat, cold, sunlight, or moisture. Do not tilt, jostle, or bump the Z-Series™.

Z-box LED Indicators

The LED (light-emitting diode) indicators on the Z-box provide the following information:

- **Z-box power LED:** The green LED to the left of the Zetera logo in the front of the enclosure indicates that the enclosure is powered up (connected to power supply and turned on).
- **Disk drive status LED:** Each disk drive in the Z-box is also equipped with an LED that indicates the status of the disk. These LEDs are labeled as **HDD 1**

through **HDD 4** and correspond to the four disk drives located in the Z-box from top to bottom.

The disk drive LEDs indicate the following statuses:

- **Flashing orange LED:** The disk drive LEDs flash with orange colored lights when the Z-box is first powered on.
- **Static green LED:** Once the Z-box has completed startup and is ready for use, the disk drive LEDs change to a static green light. (Note, however, that disk LEDs may also display as static green in situations where Personal Storage Manager cannot find the Z-box; that is, the firmware tried and failed to obtain valid IP addresses for all partitions.)
- **Flashing green LED:** When the disk drive is in use, the LED becomes a flashing green light.

You can also use the Personal Storage Manager application's **Blink LED** function to locate a specific disk drive in the Z-box storage enclosure. For details, refer to the *Personal Storage Manager User's Guide*.

Z-rack LED Indicators

The LED (light-emitting diode) indicators on the Z-rack provide the following information:

- **Z-rack power LED:** The green LED in the front right of the enclosure indicates that the enclosure is powered up (connected to power supply and turned on).
- **Disk drive status LED:** Each disk drive in the Z-rack is also equipped with an LED that indicates the status of the disk. These LEDs are located on the front of each disk drive.

The disk drive LEDs indicate the following statuses:

- **Flashing red LED:** The disk drive LEDs flash with red colored lights when the Z-rack is first powered on.
- **Static green LED:** Once the Z-rack has completed startup and is ready for use, the disk drive LEDs change to a static green light. (Note, however, that disk LEDs may also display as static green in situations where Personal Storage Manager cannot find the Z-box; that is, the firmware tried and failed to obtain valid IP addresses for all partitions.)
- **Flashing green LED:** When the disk drive is in use, the LED becomes a flashing green light.

You can also use the Personal Storage Manager application's **Blink LED** function to locate a specific disk drive in the Z-rack storage enclosure. For details, refer to the

Resetting the Z-Series Storage Enclosure

Resetting the Z-Series™ causes a forced, temporary dismount from all PCs of all logical volumes that are either wholly or partially contained on any disk in this enclosure. Resetting makes the volumes “free” and available once again for mounting by other PCs. In addition, it causes all disk drive passwords that you may have changed to revert to the default password.

Both the Z-box and Z-rack enclosure provide a reset button to dismount all logical volumes residing on disk drives in the Z-Series™ storage enclosure and to reestablish the default disk password. To prevent accidental resets, the reset button is located inside of the back of the enclosure.

To reset the Z-Series™:

- 1 Carefully turn the Z-Series™ storage enclosure around so that you have access to the back of the unit.
- 2 Ensure that the Z-Series™ is powered on and the LAN connection at the back of the box is active (has green lights where the LAN cable is connected to the Z-Series™).
- 3 Locate a single, small opening in the back of the Z-Series™. The reset button is inside this opening.
- 4 Insert the end of an unfolded paperclip into the opening, and then press and hold the reset button with the paperclip end. **(Do not release the button.)**
- 5 Continue holding the reset button. In about seven seconds, the green lights around the LAN connection turn off. After several more seconds, those lights turn back on again.
- 6 Release the reset button by removing the paperclip. The Z-Series™ automatically reboots itself.

The reset operation is complete when the Z-Series™ has restarted and the LAN connection lights and disk drive LEDs are on. A successful reset results in the following:

- All logical volumes are automatically remounted by the PC(s) on which they were mounted prior to the reset.
- All logical volumes become available to all PCs and can be mounted by any PC (provided the user of that PC knows the volume password, if one was set).
- All disk drive passwords are reset to the default, **password**.

