



System Storage EXP3000 Quick Start Guide

Before using this information and the product it supports, read the "IBM Statement of Limited Warranty" in the *IBM Machine Type 1727 Warranty and Support Information* document on the *IBM Documentation CD* that comes with the IBM® System Storage™ EXP3000.

The IBM System Storage EXP3000 complies with Federal Communications Commission (FCC) Class A limits. For more information, see "Electronic emission notices" in the *IBM System Storage EXP3000 Installation, User's, and Maintenance Guide* on the *IBM Documentation CD*.

To set up the EXP3000, complete the following steps. For more detailed information, see the *Installation, User's, and Maintenance Guide*.



DANGER

When working on or around the system, observe the following precautions:

Electrical voltage and current from power, telephone, and communication cables are hazardous. To avoid a shock hazard:

- Connect power to this unit only with the provided power cord. Do not use the provided power cord for any other product.
- Do not open or service any power supply assembly.
- Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.
- The product might be equipped with multiple power cords. To remove all hazardous voltages, disconnect all power cords.
- Connect all power cords to a properly wired and grounded electrical outlet. Ensure that the outlet supplies proper voltage and phase rotation according to the system rating plate.
- Connect any equipment that will be attached to this product to properly wired outlets.
- When possible, use one hand only to connect or disconnect signal cables.
- Never turn on any equipment when there is evidence of fire, water, or structural damage.
- Disconnect the attached power cords, telecommunications systems, networks, and modems before you open the device covers, unless instructed otherwise in the installation and configuration procedures.
- Connect and disconnect cables as described in the following procedures when installing, moving, or opening covers on this product or attached devices.

To disconnect:

1. Turn off everything (unless instructed otherwise).
2. Remove the power cords from the outlets.
3. Remove the signal cables from the connectors.
4. Remove all cables from the devices.

To connect:

1. Turn off everything (unless instructed otherwise).
2. Attach all cables to the devices.
3. Attach the signal cables to the connectors.
4. Attach the power cords to the outlets.
5. Turn on the devices.

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1. Read the safety information on the *IBM Documentation* CD that comes with the EXP3000.
2. Install the EXP3000 in the rack cabinet. See the *IBM Rack Installation Instructions* document that comes with the EXP3000.
3. Connect power cords to both power supplies, but do not turn on the EXP3000. The rack jumper power cords that come with the EXP3000 connect to IBM rack power distribution units (PDUs). If you are not connecting the EXP3000 to an IBM PDU, country-specific power cords must be purchased separately.

4. Connect one end of a Serial Attached SCSI (SAS) cable to the In (↑) connector on the environmental services module (ESM) on the rear of the EXP3000. The SAS cable must be purchased separately. Connect the other end of the SAS cable to the SAS out connector of your RAID controller. If the controller supports connecting multiple EXP3000s by “chaining” them together, you can cable additional EXP3000s by connecting one end of a SAS cable to the Out (↓) connector on the ESM in an EXP3000 and connecting the other end to the In (↑) connector on the ESM in another EXP3000. For more information, see the cabling information section in the *Installation, User's, and Maintenance Guide*.
5. Install four to 12 IBM hard disk drives in the EXP3000 (if you have not already done so).

Important: You might have to install up to four hard disk drives for both power supplies to operate in a redundant mode.

6. Turn on both power supplies on the rear of the EXP3000.
7. Turn on the system in which the host RAID controller is installed. (The EXP3000 must always be turned on before, or at the same time as, the system in which the RAID controller is installed.)
8. The management-software interface on the host RAID controller enables you to set an ID for each EXP3000. (One ID is provided by default by the controller.) After the EXP3000 ID is set (or reset to your requirements), you can apply the ID label sticker to the right front bezel. For more information, see the *Installation, User's, and Maintenance Guide*.

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