# IBM® System Networking SAN24B-5 Quick Start Guide

Complete the steps in this guide to install and setup your SAN24B-5 switch in a single-switch configuration using EZSwitchSetup. See the *IBM System Networking SAN24B-5 Installation, Service, and User Guide* and the *Fabric OS Administrator's Guide* (located on the IBM Publications CD) if you want to choose a different setup.

**Attention:**
Refer to the **Safety and environmental notices** section of the *IBM System Networking SAN24B-5 Installation, Service, and User Guide* before starting any installation of this product.

## 1 Getting ready

Ensure that you have the items listed below. You can either set the IP address of your switch manually or you can use a DHCP server. If you are going to use a static IP address, write the network values in the spaces provided.

**Values to record:**

Fixed IP address (IPv4 or IPv6) for the switch (no DHCP server):_____

Subnet mask value _____

Default Gateway value_____

Switch World Wide Name (WWN): located on the switch ID pullout: _____

**Items required:**

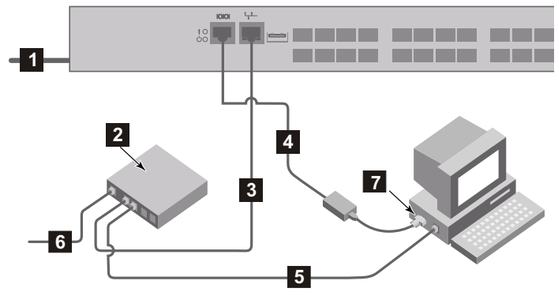
- Ethernet connection (hub or switch)
- Host computer with an installed HBA
- Standard screw driver
- Browser that allows pop-up windows
- EZSwitchSetup CD
- Ethernet and Fibre Channel cables
- Setup computer
- Disk array with Fibre Channel ports
- Optical transceivers (SFPs)

## 2 Installing and starting EZSwitchSetup

1. Insert the *EZSwitchSetup CD* into the CD-ROM drive of your setup computer. The installer will autostart in about one minute.
2. Follow the EZSwitchSetup onscreen directions. Installation will take a few minutes after you click **OK**.
3. Wait for EZSwitchSetup to start, which should happen automatically after it is installed.
   For Windows and Linux instructions, refer to the *EZSwitchSetup Administrator's Guide*.
4. On the **EZSwitchSetup Introduction** screen, choose the option that matches your setup configuration:
   - Ethernet connection. This option uses the Ethernet LAN connection you will use for running EZSwitchSetup Manager.
   - Direct connection to the switch with a serial cable. Most users will find it more convenient to use the Ethernet connection.
5. Click **Next**. The **Connect Cables** screen is displayed.

## 3 Powering up and connecting cables to the switch

The **Connect Cables** screen shows you the connections you need to make.




1. Connect the power cord 1 to the switch and then to the power source. The power and status LEDs display amber then green. This can take from one to three minutes.
2. Connect the switch and the setup computer to the same LAN, using Ethernet cables (3, 5) and an Ethernet hub or switch (2). Be sure the Ethernet hub or switch is connected to a power source (6).
3. If you want to use a serial connection for setup, connect your setup computer COM port (2) to the serial port on the switch, using the serial cable (4) shipped with the switch.
   The serial connection settings are as follows:
   - Bits per second: 9600
   - Databits: 8
   - Parity: none
   - Stop bits: 1
   - Flow control: none
4. Click **Next**.
   - If you chose to use the Ethernet connection, the **Discover Switch** screen is displayed. Enter the switch WWN, following the instructions on the **Discover Switch** screen. After completing switch discovery, the **Set Switch IP Address** screen is displayed.
   - If you chose to use the serial port connection, the **Set Switch IP Address** screen is immediately displayed.

## 4 Setting the switch IP address

If you are using a DHCP server to set the IP address: the switch must have DHCP enabled. The DHCP server must also be on the same subnet as the switch. To set a static IP address, complete the following steps:

1. Enter the required information in the **SetSwitch IP Address** screen.
2. If prompted to install Active X or a version of the Java runtime environment, do so. Reboot the setup computer, if required.
3. Click **Next**.
   The **Confirm IP Address** screen is displayed.
4. Click **Next** to confirm the addresses.
   The **Continue Configuration** screen is displayed.
5. Click **Continue with EZManager**.

## 5 Setting the switch password

1. Click **Next** on the **EZManager Welcome to Switch Configuration** screen.
   The **Set Parameters** screen is displayed.
2. Create a new administrator account password in the **Set Parameters** screen.
3. Enter a new name for the switch (optional step).
4. Adjust the date and time for your time zone (optional step).
5. Click **Next**.

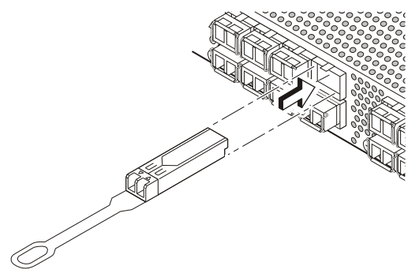
## 6 Configuring the zones and performing device selection

1. Select **Typical Zoning** on the **Select Zoning** screen and click **Next**.
   Typical Zoning is the default zone configuration. See the *EZSwitchSetup Administrator's Guide* for more information on zone configuration.
2. Enter the number and types of devices that you are connecting to the switch on the **Device Selection** screen.
   EZSwitchSetup uses these values to automatically configure the ports on your switch for the devices that you are connecting.

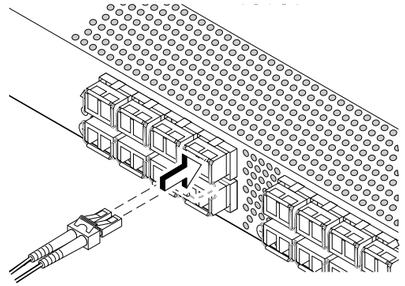
## 7 Connecting devices

The **Connect Devices** screen displays a graphical representation of the switch with the device connections based on the information that you entered when you configured zones and performed device selection. The screen will show all physical connections as missing until you connect the devices that you specified.

1. Install the SFP+ transceivers in the Fibre Channel ports on the switch to match the ports shown onscreen.



   a. The 16 Gbps SFP+ transceivers have a long pull tab and no latching wire bail. Remove any protector plugs from the SFP+ transceivers you are going to use, and position and insert each SFP+ transceiver as required (right side up in the top row of ports and upside down in the bottom row of ports). Use the pull tab on the 16 Gbps SFP+ transceivers to help push the transceiver into the port.
   If you are using 8 Gbps SFP+ transceivers, close the latching wire bail.
   b. Repeat for the other ports.
2. Make the physical connections to your host and storage devices. Match the physical connections shown on the **Configure Ports and Connect Devices** screen. If you are using 16 Gbps SFP+ transceivers, you may want to connect the cable to the SFP+ first, and then insert them into the port as a unit.



   a. Remove plastic protector caps from the Fibre Channel cable ends (if any), and position the cable connector so that it is oriented correctly.
   b. Insert the cable connector into the SFP+ until it is firmly seated and the latching mechanism clicks.
   c. The **Configure Ports and Connect Devices** screen shows missing, valid, and invalid connections as you cable the switch. Note that it can take up to 15 seconds for the connection to display as a valid connection. Verify that the connections are all green and then click **Next**.
3. The **Finish** screen will display this message: "*Congratulations—you've successfully completed the setup!*"
   If you used the serial connection for setup, you can remove the serial cable.

Additional configuration options, such as custom zoning, are available from EZManager. See the *EZSwitchSetup Administrator's Guide* for more information on custom zoning, and other switch configuration and management options.



Printed in USA

GA32-2214-00 98Y2648