Spectra® nTier500
Archive and Backup Server
Power Supply
Replacement Guide

Notices

Spectra Logic® Corporation provides the unit "as is" without warranty of any kind, either expressed or implied, including but not limited to the implied warranties of merchantability or fitness for a particular purpose. In no event shall Spectra Logic be liable for any loss of profits, loss of business, loss of use or data, interruption of business, or for indirect, special, incidental, or consequential damages of any kind, even if Spectra Logic has been advised of the possibility of such damages arising from any defect or error.

Information furnished in this manual is believed to be accurate and reliable. However, no responsibility is assumed by Spectra Logic for its use. Due to continuing research and development, Spectra Logic may revise this publication from time to time without notice, and reserves the right to change any product specification at any time without notice.

Spectra, SpectraGuard, and the Spectra Logic logo are registered trademarks of Spectra Logic Corporation. All other trademarks and registered trademarks are the property of their respective owners.

Spectra nTier500 Archive and Backup Server Power Supply Replacement Guide

Contents

Introduction

This guide describes the procedure for replacing a Spectra® nTier500™ power supply.

If a power supply fails, an alarm sounds and the indicator LED on the failed power supply is no longer illuminated green. To silence the alarm, press the red button on the back of the nTier500, shown in Figure 1.

Note that pressing the red button does not silence the alarm if two power supplies have failed or are not connected to a power source. After the nTier500 has two working power supplies installed and connected to a power source, you can use it to silence the alarm.
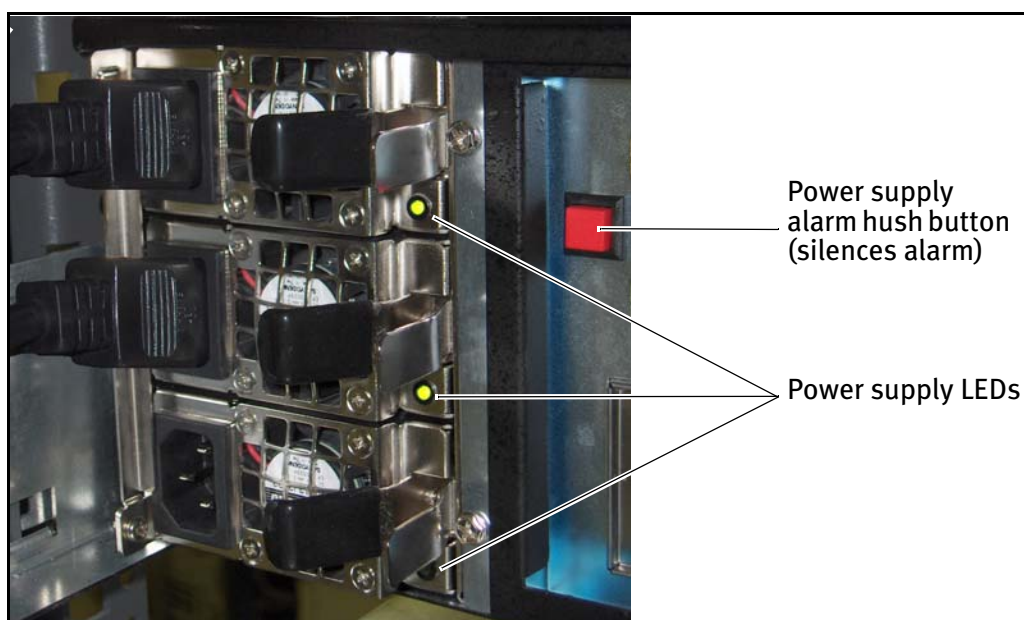

Power supply
alarm hush button
(silences alarm)

Power supply LEDs

Figure 1   Identify the power supply indicator LEDs and alarm hush button.

Estimated Time Required

Replacing a power supply takes approximately 5 minutes. If you have multiple power supplies installed in the nTier500, you can continue using DPM and the nTier500 while you replace a power supply.

Materials and Tools

Required:

- A replacement Spectra nTier500 power supply
- A #2 Phillips screwdriver

Replacing the Power Supply

Note: Operating the nTier500 with at least two power supplies installed is highly recommended.

Remove the Faulty Power Supply

1. Identify the power supply on which the indicator LED is no longer illuminated green; this is the power supply to be replaced.

2. Unplug the power cable from the power supply you just identified and move it out of the way.

3. Using a #2 Phillips screwdriver, remove the screw securing the retainer bar (see Figure 2) to the safeguard bracket. Remove the retainer bar from the bracket and set it aside.
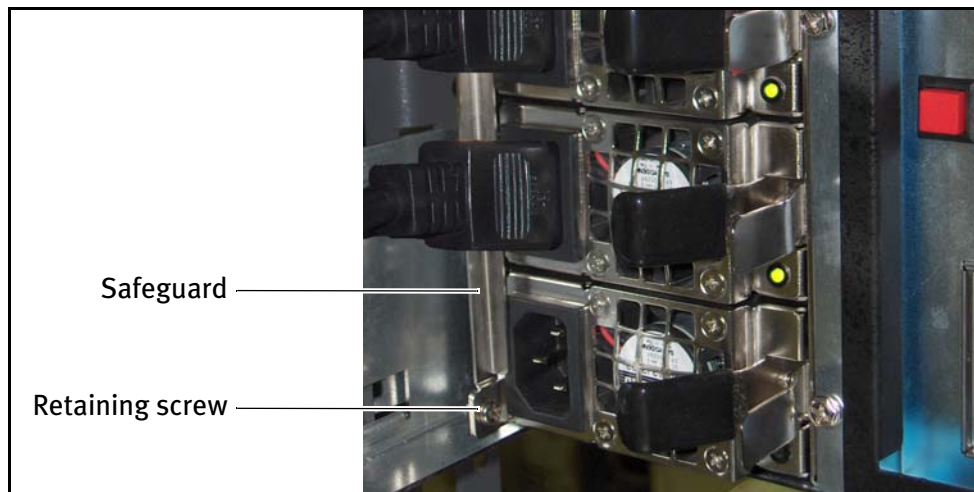

Figure 2 Remove the safeguard retainer bar screw.

4. Squeeze the latch, then pull the power supply straight out of the chassis, as shown in Figure 3.
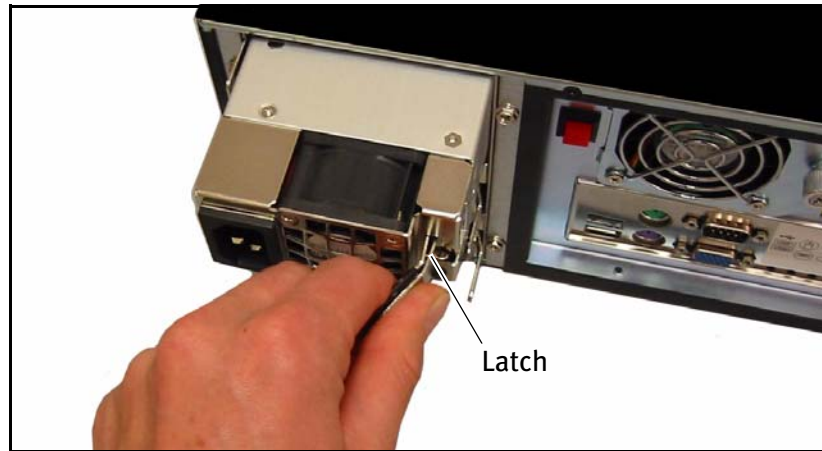

Figure 3 Remove the power supply.

Install the New Power Supply

1. Remove the new power supply from its packaging.

2. Slide the new supply into the opening the back of the chassis until it seats and the latch returns to its resting position.

3. Insert the end of the retainer bar into the opening at the top of the safeguard bracket, as shown in Figure 4.
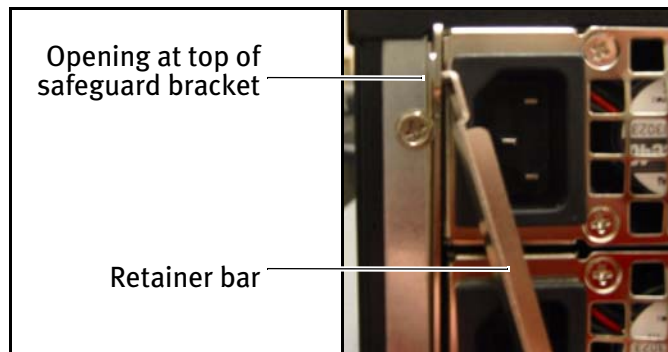

Figure 4 Reattach the retainer bar to the safeguard.

4. Align retainer bar with the edge of the safeguard bracket so that the bar fits over the left edge of the power supplies.

5. Insert the retaining screw into the hole in the bottom of the retainer bar (see Figure 5). Use a #2 Phillips screwdriver to tighten the screw.
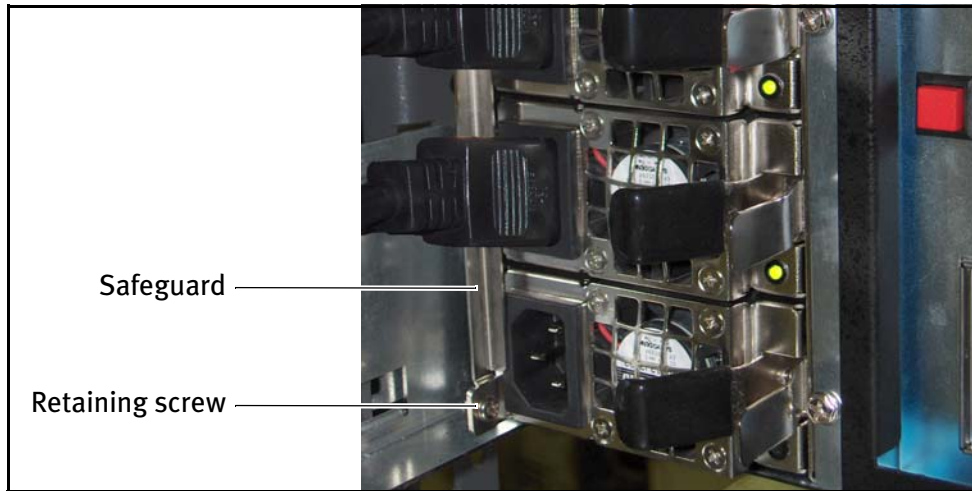

Safeguard

Retaining screw

Figure 5 Secure the retainer bar to the safeguard.

6. Plug in the power cord. The power supply's LED immediately illuminates green.

7. Repackage the faulty power supply using the packaging of the new power supply, as described in *Packaging a Component for Return to Spectra Logic* on page 7.

Packaging a Component for Return to Spectra Logic

Package the old component using the same packaging and methods used for the component that you just installed. These steps may include the following:

1. Place the component inside the anti-static bag.

2. Fold any loose parts of the bag around the component and tape them down.

3. Place the wrapped component into the box

4. Place foam over the top of the component to secure it in place.

5. Tape the box securely shut.

6. Proceed to one of the following for shipping instructions:

   • *Domestic RMA Returns* on page 8

   • *International Returns* on page 9

Domestic RMA Returns

Caution: You must package the component in the box provided by Spectra Logic, making sure to use all of the packing materials provided to prevent damage during shipment.

Failure to properly package the component may result in damage to the component. If a component is damaged in shipping due to improper packing, the warranty on the component is void.

Once the component has been properly packaged, ship the package to:

Spectra Logic Corporation
ATTN: {RMA Number}
Suite B
5571 Arapahoe Avenue
Boulder CO 80303

Note: You must write the RMA number on the shipping label, or the package will be returned to you after five days. If you do not know your RMA number, contact Spectra Logic Technical Support.

International Returns

> **Caution:** You must package the component in the box provided by Spectra Logic, making sure to use all of the packing materials provided to prevent damage during shipment.
>
> Failure to properly package the component may result in damage to the component. If a component is damaged in shipping due to improper packing, the warranty on the component is void.

Spectra Logic arranges for return shipment when a request is made to International Shipping (see the contact information below).

1. Fill out your portion of the International Shipping Instructions form, available on the Spectra Logic Web site.

2. Return the form to Spectra Logic in one of the following ways:

    E-mail:intlreturns@spectralogic.com

    Fax: 303.939.8844

    Post: Spectra Logic
            International Returns
            1700 N 55th Street
            Boulder CO 80301
            USA

3. When you receive confirmation from Spectra Logic, follow the instructions given to prepare the component for pickup by the shipper.

If You Need Assistance

If you need assistance identifying the faulty component, or with any part of this procedure, contact SpectraGuard Technical Support by calling 800.227.4637 or 303.449.0160, or by sending an e-mail to support@spectralogic.com.