SATABOY®/SASBOY™
Quick Start Guide

NEXSAN

Version 1.1

This Quick Start Guide is intended to help you quickly get your unit unpacked, mounted, and connected. For detailed instructions, see the SATABoy/SASBoy Installation and Maintenance Manual or the Nexsan User Manual.

Taking Delivery

Upon receipt of your SATABoy/SASBoy, inspect the packaging for damage that may have been sustained in transit. If there is visible damage on the packaging, contact your shipper before proceeding.

Unpacking the Unit

Carefully unpack your SATABoy/SASBoy and inspect each item before installation:

1. Carefully cut the tape holding the box closed.

2. Remove the cardboard spacers and the disk box from the outer box.

3. Inspect the items in the foam spacer. The accessories should include:

   - rack-mounting hardware: two (2) rails, one left and one right; two (2) rail mounting brackets, one left and one right; four (4) large screws for securing the rail mounting brackets to the rack; four (4) flanged screws for securing the rails to the rail mounting brackets; eight (8) screws and eight (8) washers for securing the rails to the chassis; four (4) rack bolts and four (4) cage nuts for securing the SATABoy/SASBoy to the rack

   - other accessories: two (2) power cables; disposable ESD strap; serial cable; any additional items that may have been ordered, such as Fibre Channel cables

4. Open the disk box and make sure that the proper number of disk drives is included.

5. Remove the accessories from the foam spacer, then remove the foam spacer from the box.

6. With the help of a second person, carefully lift the SATABoy/SASBoy unit out of the packaging.

The packaging that the unit ships in is reusable and should be retained for future re-shipment. Be sure to keep all packaging components.

Before You Begin

Required Tools and Equipment

To perform the installation, you will need the following tools and equipment:

- a suitable equipment rack with sufficient load capacity to hold the SATABoy/SASBoy

- a size P1 Phillips-head screwdriver

- enough CAT6 Ethernet cable to connect the SATABoy to the local area network (LAN)

- enough CAT6 Ethernet cable, fibre-optic cable, or twisted-pair copper cable to connect the SATABoy to the storage area network (SAN)
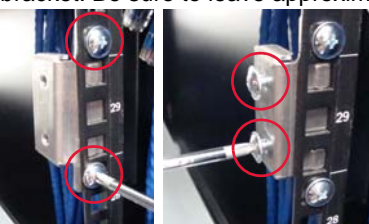
Prepare the Site

Before installing the SATABoy/SASBoy, prepare the installation site and rack. See *Safety Information* for critical site and rack preparation information.

Attach Rack Mounting Hardware

1. At a suitable location in the front of the rack, insert the cage nuts.
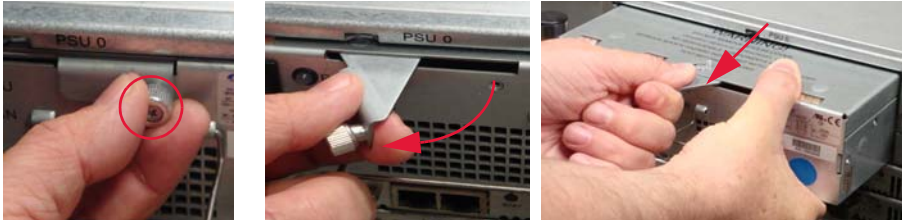

2. Loosely attach the rear mounting brackets to the rear of the rack, then screw two flanged-head screws into the sides of each bracket. Be sure to leave approximately 1mm of thread showing.
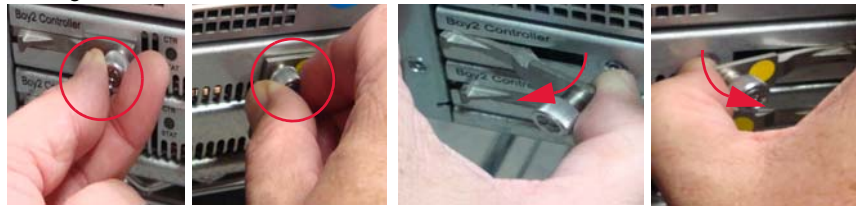

Prepare the Unit

Remove the PSUs and RAID Controllers from the unit:

1. PSUs: Unscrew the retaining bolt, pull the lever to disengage the PSU, then slide the PSU out of its slot. Be sure to support the PSU's weight while removing it.

2. RAID Controllers: Unscrew both retaining bolts and pull both levers to disengage the RAID Controller. Slide the RAID Controller out of its slot. Be sure to support the RAID Controller's weight while removing it.
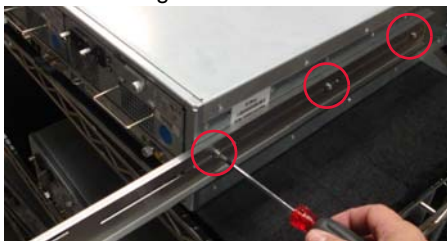

3. Label the controllers "Top" and "Bottom" before setting them aside.

4. Attach the mounting rails to the sides of the SATABoy/SASBoy unit:

   a. Measure the distance between the front and rear of the rack.

   b. Using the labels on the insides of the rails, position the rails on the chassis so that the distance measured in step a is flush with the rear of the SATABoy/SASBoy unit:

   c. Attach the outer rails to the mounting brackets.

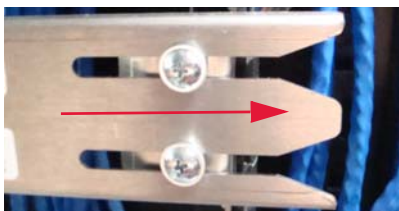⚠ **CAUTION:** There MUST be at least two points of attachment for each rail.

Mount the Unit

⚠ **CAUTION:** The SATABoy/SASBoy unit is heavy and requires two people to lift it and slide it onto the mounting rails. Do NOT attempt to mount the SATABoy/SASBoy onto the mounting rails by yourself.

1. Ground any electrostatic charge from your person by touching a metal part of the rack.

2. Attach one end of the disposable anti-static wrist-strap to a metal part of the rack. Wrap the other end around your wrist. Both people lifting the unit should do this.
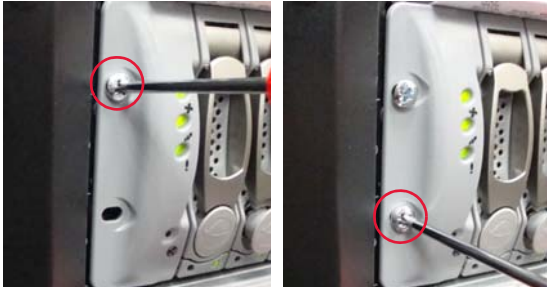
⚠ **CAUTION:** Before mounting the unit, be sure that it is oriented properly. The unit is right side up when the LEDs on the front panel are on the left

⚠ **CAUTION:** Only support the unit by placing hands under the metal chassis. Do NOT attempt to lift the unit by any plastic parts or module handles.
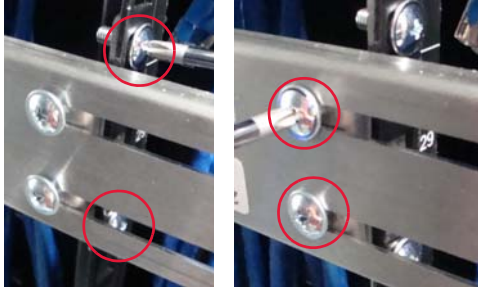
3. With the help of a second person, lift the SATABoy/SASBoy unit and insert it between the left and right rack sections.

4. Slide the flanges on the rear of the mounting rails onto the screws on the sides of the rear mounting brackets.

5. While still supporting the unit, insert the four front mounting bolts through the holes in the chassis ears and secure them into the cage nuts.

6. Tighten the screws holding the rear mounting brackets to the rack, then tighten the screws on the sides of the mounting brackets to secure the mounting rails.
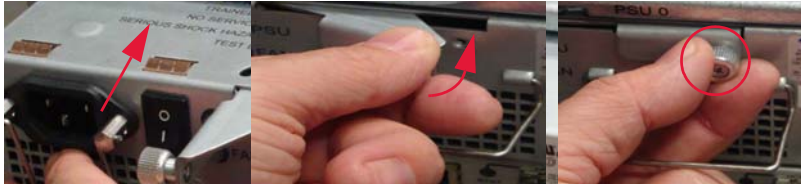

Restore the Rear Modules

1. RAID Controllers: Slide the RAID Controller into its slot. For the bottom unit, be careful to not snag the cables in the blower unit below.

Push in the latch levers to seat it, then tighten the retaining bolts.

2. PSUs: Slide the PSU into its slot, push the latch handle in to seat it, then tighten the retining bolt.
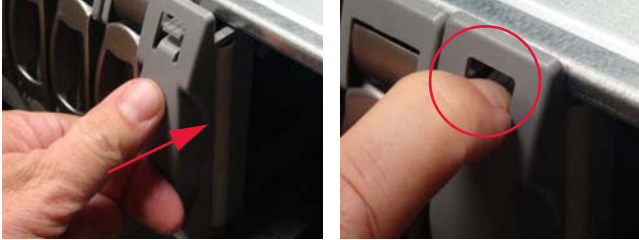

NOTE: Do not connect the power cords to the PSUs at this time.

Load Disk Drives

1. Using the drive guides to help you orient the disks, carefully load each disk drive into a drive slot, push down on the extraction handle to seat it, and lock the handle in place with the drive release button:

2. For any slots where a disk drive is not present, insert a blank drive slot plate into the drive slot:

NOTE: You may have to press the latch at the top to seat the plate fully.

⚠️ **CAUTION:** Always fill all drive slots across the front of the unit. Leaving open gaps decreases cooling efficiency and may result in some disk drives overheating.

Attach Cables

Connect all necessary communication cables (Fibre Channel, Ethernet, SAS, serial) to the appropriate connectors on the RAID Controller. See the *Nexsan SATABoy/SASBoy/SATABoy Xi Installation and Maintenance Manual*.

Serial Port   Ethernet Ports   Fibre Channel Ports

Apply Power and Turn On

Using the two supplied power cords, connect each PSU to main power, making sure to fold down the retaining clip over each one. Then turn the unit on by switching each PSU's power switch to the on (|) position.

Register and Configure the Unit

The Nexsan Product ID is located on the bottom left of the rear panel. Go to http://register.nexsan.com to register your product.

Once the unit has finished booting up, follow the instructions in *Chapter 1*, *Basic Setup* of the *Nexsan User Manual* to get your SATABoy/SASBoy system up and running.

Safety Information

⚠️ **CAUTION:** When removing the SATABeast or SASBeast from the packaging, DO NOT lift the unit by the handles on the front of the chassis. Doing so may cause damage to the chassis or to internal components, or both. Lift the unit ONLY by the bottom edges of the chassis, using safe lifting practices.

⚠️ **CAUTION:** Ensure that the ambient temperature at the installation site is between 5°C (41°F) and 35°C (95°F). If the temperature at the site is not actively regulated, ensure that daily and seasonal temperature changes will not result in the ambient temperature going outside these limits.

⚠️ **CAUTION:** Always fully stabilize racks with wall anchors or stabilizing legs, or both, before mounting the SATABoy/SASBoy, or any other components on the rack.

⚠️ **CAUTION:** Situate the rack so that full air flow at both the front and the rear of the SATABoy/SASBoy is possible.

⚠️ **CAUTION:** Ensure that the floor beneath the mounting rack has enough load-bearing capacity to support the rack and all mounted components.

⚠️ **CAUTION:** Always fully secure all rack-mounting hardware when installing the SATABoy/SASBoy in a rack. Insufficient rack-mount support may allow the unit to fall onto other rack-mounted hardware or onto the floor, potentially damaging equipment or causing injury to nearby personnel.

⚠️ **CAUTION:** When applying power to the SATABoy/SASBoy, use ONLY the IEC power cords originally supplied with the unit. Do NOT use other power cords, even if they appear identical to the supplied cords.

⚠️ **CAUTION:** The SATABoy/SASBoy unit is heavy and requires two people to lift it and slide it onto the mounting rails. Do NOT attempt to mount the unit onto the mounting rails by yourself.

⚠️ **CAUTION:** Computer components and disk drives are sensitive to electrostatic discharge (ESD). Be sure to ground any electrostatic charge from your person before touching components with your hands or with any tools. While installing the unit, use the anti-static wrist-strap shipped with the unit.