

Remote Battery Installation Guide

The remote battery board is intended for use with a 3ware 9550SX(U), 9650SE, or 9690SA RAID controller to mount the battery off the controller. The remote battery board is optional with the 3ware 9550SX(U) and 9650SE, but is required with the 9690SA.

Contents of this package

- Battery Backup Unit (BBU) control module
- Battery
- Battery extension cable
- Remote battery board with full height bracket
- Low-profile bracket for low-profile enclosures.
- Remote Battery Installation Guide (this document)

Before You Start

Installation details covered in your 3ware RAID controller Installation Guide are not duplicated in this guide. Please follow those instructions on how to:

- Install your 3ware RAID controller
- Mount the BBU control module on the controller (**Note:** Do not mount the battery on the RAID controller)

Primary installation instructions for your Battery Backup Unit (BBU) are provided in the Installation Guide that came with your 3ware RAID controller. If you do not have a hardcopy, you can download a PDF of your Installation Guide from

<http://3ware.com/support/userdocs.asp>.

Installation Instructions

- 1** Decide which expansion slot locations to use for the 3ware RAID controller and the remote battery board.

For the remote battery board, consider ventilation and convenience of access for battery replacement. If possible, leave an space for airflow around the remote battery board.

- 2** Remove the metal filler brackets for the expansion slots.

Save the screws; they will be used to secure the 3ware RAID controller and remote battery board after you have installed them in the slots.

- 3** Attach the BBU control module to your 3ware RAID controller, as described in the Installation Guide.

- 4** If necessary, attach the extension cable to the BBU control module in order to reach the intended location of the remote battery board.

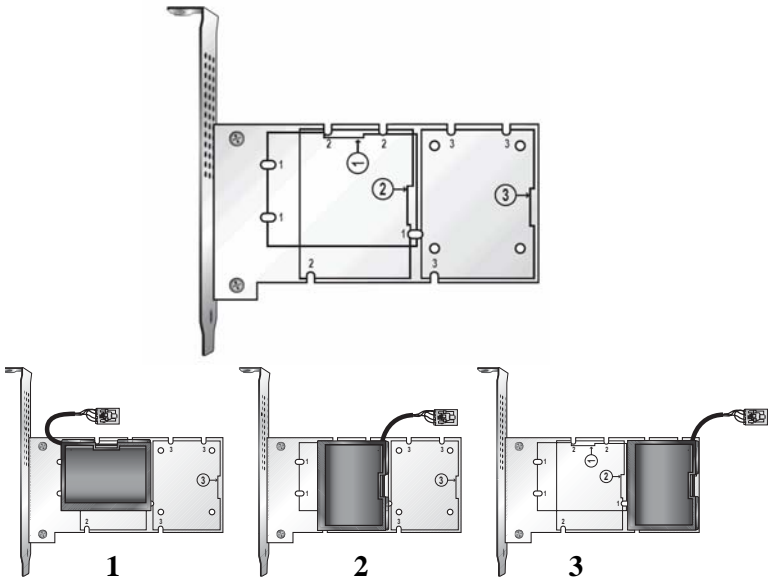
- 5** Install your 3ware RAID controller. Refer to your 3ware RAID controller Installation Guide for details.

- 6** If your enclosure is low-profile, unscrew the full height bracket from the remote battery board and replace it with the included low-profile bracket, using the same screws.

- 7** Select the battery location on the remote battery board.

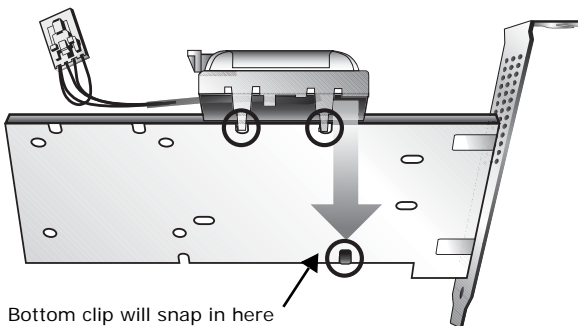
The battery can be mounted in 3 different positions, as marked on the board (see Figure 1). Use the position that will make it easiest to connect the battery power cable to the BBU control module on the 3ware RAID controller.

Figure 1. Three locations for mounting battery on remote board



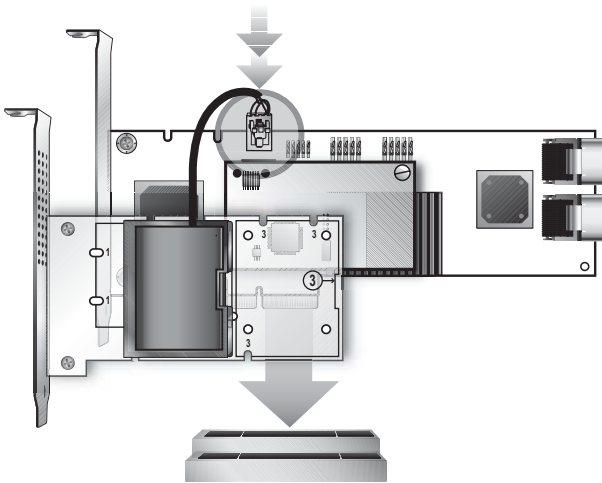
- 8** Mount the battery in the selected location by snapping it in place.
 - a Insert the two clips on the top of the battery module into the two slots at the top edge of positions 2 or 3 (Figure 2), or in the holes at the left edge of position 1.
 - b Press down gently on the battery module until the bottom clip snaps into place in the lower hole.

Figure 2. Attaching the battery module to the remote board



- 9 Insert the remote battery board in the chosen expansion slot and secure the bracket with the screw you removed in step 2. (Note that the remote battery board does not have a connector that inserts into a slot on the motherboard).

Figure 3. Inserting the boards and connecting the battery power to the BBU control module



- 10 Insert the battery power connector into the power receptacle on the BBU control module, as shown above (Figure 3).

If you need a longer cable on the power connector, use the extension cable to connect the battery to the power receptacle on the BBU.



Note: The battery will drain if it is plugged into the BBU and there is no power to the unit. Wait to plug the battery into the BBU until the system is ready for use.

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