

## Replacing the Fan for the Quantum Ultra® Power Supplies

The largest (top) fan cools the power supplies. If this fan fails, you can order a new fan from [www.extron.com](http://www.extron.com) and replace it as described in this guide. The fan is hot-swappable, that is, it can be replaced while the Quantum Ultra is operating, without the need to power down the unit.

### ATTENTION:

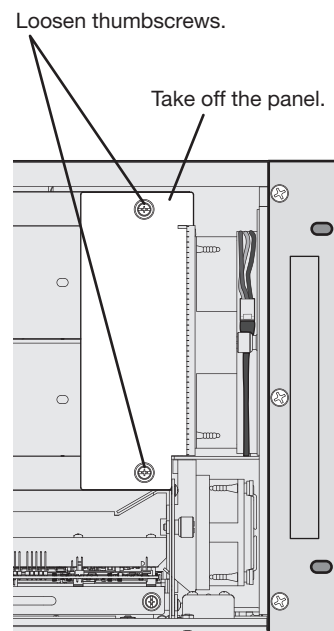
- When a fan fails, replace it immediately. **Do not** run the unit for a long period without a fan.
- Lorsqu'un ventilateur cesse de fonctionner, remplacez-le immédiatement. **NE** prolongez **PAS** le fonctionnement de l'unité sans ventilateur.

1. Use a tool to loosen the two thumbscrews on the cover panel and remove the panel (see figure 1 at right). The thumbscrews cannot be removed completely.
2. Use a tool to loosen the thumbscrew that holds the fan to the chassis (see figure 2, ①).

### ATTENTION:

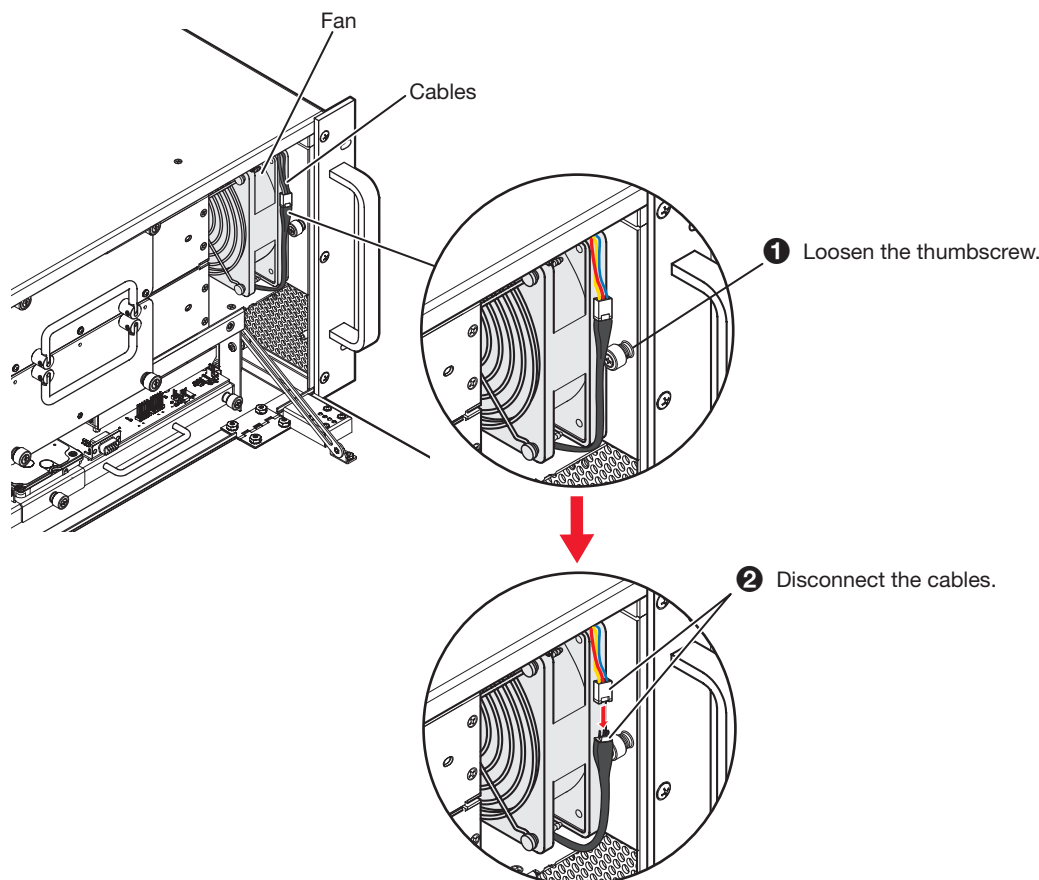
- Thumbscrews should be tightened with a tool after both initial installation and subsequent access to the panel.
- Les vis doivent être serrées avec un outil adapté après la première installation et l'accès postérieur au panneau.

**IMPORTANT:**  
Go to [www.extron.com](http://www.extron.com) for the complete user guide, installation instructions, and specifications before connecting the product to the power source.



**Figure 1. Removing the Cover Panel**

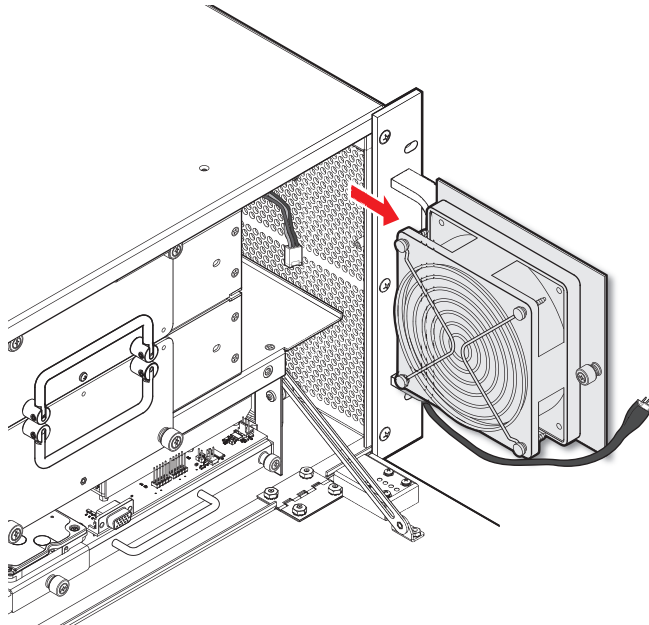
3. Disconnect the small fan cables (see figure 2, ②).



**Figure 2. Detaching the Top Fan**

## Replacing the Fan for the Power Supplies (continued)

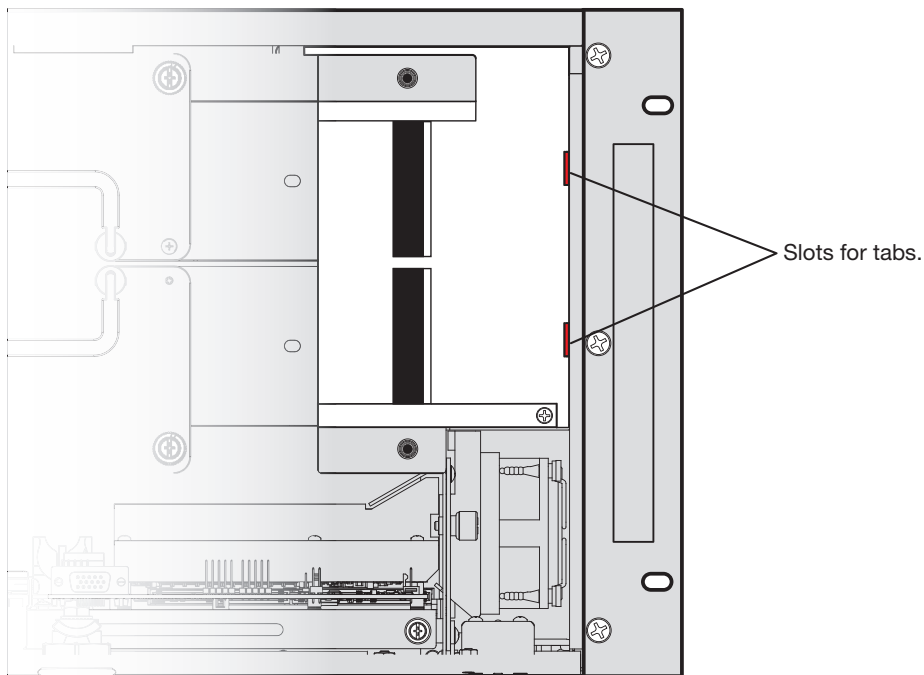
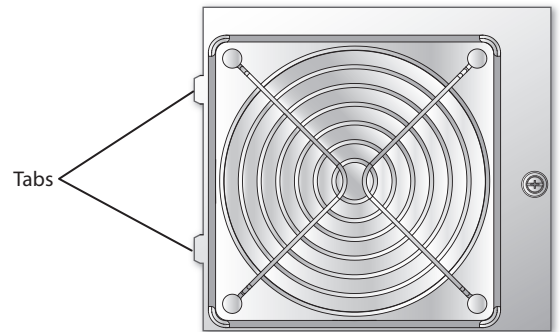
- Slide the fan out.



**Figure 3.** Sliding the Power Supply Fan Out of the Chassis

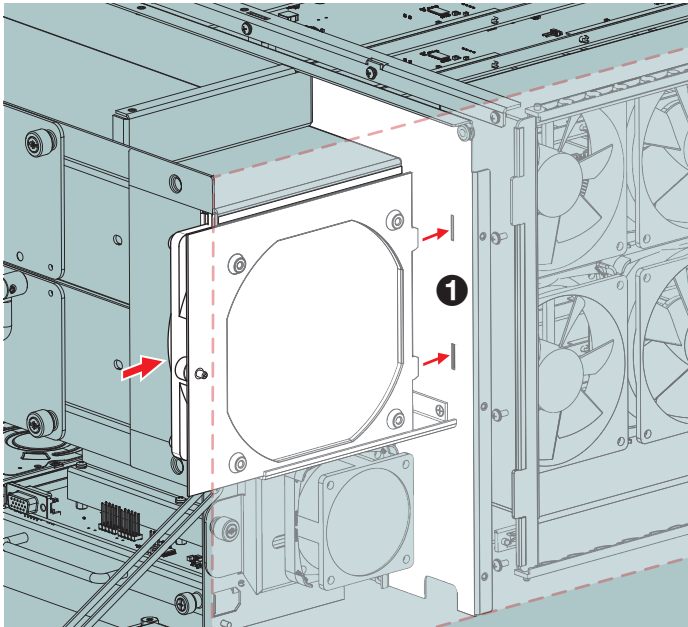
- The replacement fan has two tabs on the back (see the illustration at right).

These tabs fit into two slots in the back of the fan compartment of the chassis (see figure 4). Line up the new fan with the right wall of the chassis, the tabs facing toward the back and the thumbscrew and cables facing outward, toward you.



**Figure 4.** Slots for Tabs in the Back of the Fan Compartment

6. Slide the fan straight back into the chassis until the tabs are inserted into the slots (see figure 5, ①). Ensure that the ends of both cables are not trapped behind or under the fan and are accessible from the front.



**Figure 5.** Inserting the Replacement Fan

7. When the fan unit is in place, use a screwdriver or other appropriate tool to tighten the thumbscrew, and connect the two fan cables.

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