

Redundant Power Supply (RPS) & 4-Port USB Hubs

“Getting Started”

Package Contents

Component	Quantity
Redundant Power Supply (RPS) - 1U 19" width unit	1
Pre-installed in RPS 215W AC/DC Power Supply Unit (PSU)	2, 3 or 4 (depending on model ordered)
4-port USB 2.0 hub	0, 1, 2,.. or 8 (ordered separately)
AC 220/110V power cord	2, 3 or 4 depending on quantity of installed PSUs
12V DC cable containing 5A 250V fuse	16
USB cable	2 cables for RPS monitoring and 5 cables per each installed USB hub
Support hardware for 19" cabinet	1

Installation Instructions

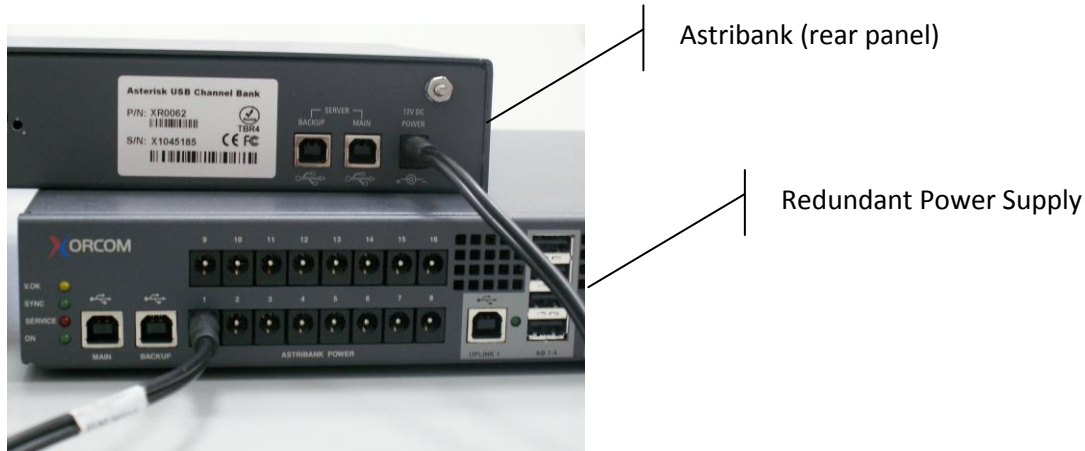
Step 1.

Connect the AC 220/110V power cords to the Power Supply Units (PSU) via the rear panel:



Step 2.

Connect the DC cables from the front panel of the RPS to the rear panel of the Astribank device(s):



Notice that the DC cable contains an external fuse case for easy replacement of a faulty fuse:



Step 3.

If the RPS is supplied with USB hubs, then connect the Asterisk server to the USB hub's square connector(s).



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Step 4.

Connect the Astribank devices to the RPS USB hubs. The photo below demonstrates a TwinStar configuration, where a single Astribank is connected to two different servers via two separate hubs.



Step 5.

Switch on the PSU.



Note: The following steps are relevant for Xorcom XE servers only!

Step 6.

Connect the USB socket 'main' that is located on the RPS front panel to a free USB connector on the XE server. This allows the RPS status to be displayed via the Liquid Crystal Display (LCD) menu:

- Enter the menu by pressing either the Menu button or the Enter button on the LCD
- Use the arrow buttons to navigate to Status → RPS Status

The PSU status will be either ON or OFF for installed PSUs. Vacant PSU slots will display a N/A status. For example, for an RPS with two PSU installed which are both functioning correctly, the following text will be displayed on the LCD:

```
ON  ON  N/A  N/A
```

If the power is disconnected to the second PSU then the following text will be displayed on the LCD:

```
ON  OFF  N/A  N/A
```

Step 7.

It is possible to configure the system to monitor the PSU status of the RPS and send an e-mail to the system administrator if a problem occurs with a PSU.

In order to enable the e-mail notification:

1. Connect to the PBX and edit the `/etc/xpanel/manager.conf` file:

```
[general]
notify=on
email_to=admin@mycompany.com
email_from=pbx@mycompany.com
```

```
[rps]
notify=on
```

- Define the 'notify' parameter as 'on' in both the [general] and [rps] sections.
- Define the “To” value for the alert message by inputting the administrator e-mail address in the email_to parameter.
- Define the “From” value for the alert message by inputting an e-mail address in the email_from parameter.

2. Restart the RPS monitor:

```
/etc/init.d/xrps restart
```

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Status Indicators

For Redundant Power Supply

There are four Light Emitting Diode (LED) indicators on the left-most edge of the front panel. Their functionality is described in the table below:

	Relevance (when lit)
On	At least one power supply in the unit is operational.
Service	At least one power supply in the unit needs maintenance.
Sync	Reserved for future use.
V.OK	Reserved for future use.

For USB Hubs

If the LED is lit for the specific 4-port hub, it means that the Asterisk server is connected and functioning.



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