AIPHONE

RAX Series

Replacing PC-886 Power Supply

- Problem -

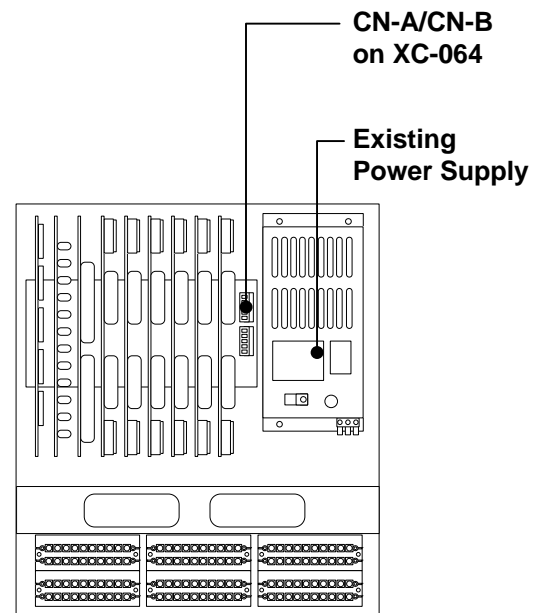**How do I replace the power supply on my RAX-CEU?** Simply follow the instructions shown below.
Which replacement power supplies should I use? One 24VDC 2A power supply, and two 5VDC power sources.

- Solution -

Replace the existing PC-886 power supply with 3 power sources, 24VDC, +5VDC, and -5VDC.

Step- by- step instructions for identifying and replacing the power supply:

- Open the RAX-CEU and locate the power supply. Identify the CN-A / CN-B connector on XC-064. The XC-064 is the back plane board that all the other boards plug into.

- To replace the power supply, first unplug the RAX-CEU from its 110VAC source.

- Unplug CN-A, and remove the 4 screws from RAX-CEU's power supply. Remove the metal enclosure. Locate the CN2 connector on XC-058 (power supply board) and unplug it. You can now either leave the existing power supply or you can remove it completely.

- Remove the plug on the CN2 side of the CN2/CN-A wire connector. You will use this wire to connect to your new power supplies.

- Tie your new 24VDC power supply across the yellow and black wires, yellow going to +24VDC. Tie one of your new 5VDC power supplies across the red and black wires, red going to +5VDC. Tie the second new 5VDC supply across the blue and black wire, blue going to Ground, and black going to +5VDC. (This is to reverse the polarity, supplying -5VDC on the blue & black). Terminate wires to power supplies in a secure manner.

- Power up all three of the new power supplies.

- Unplug CN-A and use a volt meter to determine if the proper voltage is present. Measure across the yellow and black wire to see if you are getting 24VDC. Measure across the red and black wire to see if you are getting +5VDC. Measure across the blue and black wire to see if you are getting -5VDC. (refer to CN-A color code chart)

CN-A/CN-B on XC-064

Existing Power Supply

CN-A Color Code:

Blue	(-5VDC)
Black	(Ground)
Red	(+5VDC)
Yellow	(+24VDC)

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