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## Apple Token Ring 4/16 NB Card: Setup and Insertion Sequence

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TOPIC -----

I can get the Token Ring 4/16 card to work on a Macintosh IIci, but not on a Macintosh Quadra. The system just reverts to the LocalTalk connection. I'm using the latest Network Installer Disk and have made sure that AppleTalk is active BEFORE installing the software.

What causes this problem?

DISCUSSION -----

We suspect that you haven't connected the Macintosh/card to a MAU, or a problem prevents the card from becoming inserted on the ring.

Follow these steps to connect to a Token Ring:

- 1) Install the card and software (using Network Software Installer 1.1 or better yet, 1.2), and restart the Macintosh.
- 2) Open the Network CDEV and choose TokenTalk. You'll receive a dialog warning you that "Changing your AppleTalk connection will interrupt current network services..." Click OK.
- 3) Switch off the previous AppleTalk network connection.
- 4) If you have never configured this card before, you'll get a dialog asking if you want a 4MB or 16MB connection. After selecting this, insert the Token Ring card onto the ring with the parameters specified in the TokenRing CDEV.
- 5) If you can get close enough to the MAU that the Macintosh device cable is attached to, you should listen for the sound of the MAU relay closing (audible click) inserting the Macintosh onto the ring. If there is no click, then you have one of the following situations:
  - The TokenTalk software isn't properly installed on the Macintosh.
  - The device cable isn't attached or is defective.

- The MAU port needs to be reset with the MAU set-up tool.
- The MAU port is defective.

Be sure the card isn't connected to the Ring-in or Ring-out ports on the MAU. They are for Trunk cables, and don't have relays to allow proper ring insertion.

If you hear a click, followed by another click, this indicates that the card tried to insert, and, based on network feedback, determined that it wasn't welcome. Two common causes for this are:

- Attempting to use the wrong network speed
- The address assigned is in use by another active device.

If you hear just one click, then the Macintosh has inserted successfully on the Token Ring.

Caution: When installing or removing NuBus cards from a Macintosh Quadra, turn it off, AND unplug the power cord! Macintosh Quadras continue to supply power to the NuBus, as stated in the NuBus '90 specifications. This is a potential hazard to NuBus cards being installed or removed. Specifically, low current at +5V is available on the new STDBYPWR pin when main power is off, and the AC cord is plugged in.  
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