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Apple Token Ring NB/c Card: NuBus and IBM Chipset Reset (4/94)

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TOPIC ---

This article describes NuBus reset, IBM Chipset reset, and Interrupts on the
Apple Token Ring NB/c Card.

DISCUSSION --

Local NuBus Reset

The local NuBus host may be reset by two methods; "NuBus reset" and "Latched
reset".

A "NuBus reset" occurs whenever the Macintosh is reset, for example when the
"reset" programmer switch is pressed or "restart" is selected. NuBus reset also
resets the Token Ring NB/c Card's Control Register to its default values.

"Latched reset" is accomplished by writing to address F0000 on the card. This is
useful for downloading code over NuBus. "Latched Reset" will cease when a byte
is read from address C0000 or whenever NuBus is reset. Latched reset does not
alter the contents of the Token Ring NB/c Card's Control Register.

IBM Chipset Reset

The IBM Chipset can be reset by two methods; soft reset and hard reset. Soft
reset is accomplished by accessing Shared Memory Register "SRR", while Hard
reset is effected via bit 3 of the Token Ring NB/c Card's Control Register.
Note that the IBM chipset will not be reset by a "Latched reset", but will be
reset by a NuBus reset.

Interrupts

The Token Ring NB/c Card interrupts the Macintosh via the NuBus "slot
interrupt", which is accomplished by a direct connection to the NMRQ slot
interrupt line on NuBus.

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