EtherTalk Interface Card: General Troubleshooting (Part 1 of 2)

This article last reviewed: 16 November 1987

Section 1 Basics
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o INTRODUCTION

The EtherTalk Interface Card allows you to connect a Macintosh II to an
Ethernet local area network.

When the EtherTalk Interface Card is installed and connected to the Ethernet
cable, you can send and receive files over the Ethernet network using the A/UX
operating system or the EtherTalk Installer software.

Section 2 Diagnostics
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o CONTENTS

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o INTRODUCTION

MacTest II provides a one-card test and a two-card test for the EtherTalk
Interface Card. The two-card test uses a known-good card in addition to the
suspect card, and tests communications between the two cards.

Both tests check the functional areas of the suspect card independently. The
two-card test also checks to see if each of the functional areas works properly
with the other functional areas.

If possible, always run the two-card test. The one-card test cannot locate all

problems. If the customer reports that the card cannot transmit or receive
data, and if the card passes the one-card test, you need to run the two-card
test.

NOTE: Neither test checks the DB-15 connector (which is used for thick
Ethernet cable) on the EtherTalk Interface Card.

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o ONE-CARD TEST

Materials Required:
  MacTest II diskette
  Macintosh II
  Terminator kit (077-0256)

Procedure:
1. If you are not using a known-good Macintosh II to test the EtherTalk
Interface Card, start up MacTest II and run the logic, drive, and monitor
tests. (See Section 3, Diagnostics, of the Macintosh II Technical Procedures.)
Complete any needed repairs before you continue.)

2. Turn the Macintosh II power off.

3. Put on your grounded wriststrap and set the EtherTalk Interface Card on the
grounded workbench pad. Set the jumper on the EtherTalk Interface Card for
thin cable and install the card in the Macintosh II. (See the Setting the
Jumper, in the article EtherTalk Interface Card: General Troubleshooting (Part
2 of 2) in the Technical Information Library.)

4. Assemble and install the loopback connector as follows:

a) Select a T-connector and two terminators from the terminator kit . Connect
the female end of each terminator to one of the male ends on the T-connector,
and give the female connector barrel a twist to the right to secure the
connection.

b) Locate the male connector on the EtherTalk Interface Card, and join the
female connector on the T-connector to the connector on the card.

5. To start the diagnostic, insert the MacTest II diskette into drive one
(right), and turn on the power. (For MacTest II operating instructions, see
Section 3, Diagnostics, of the Macintosh II Technical Procedures.)

6. If you do not know what expansion slot the EtherTalk Interface Card is in,
pull down the Options menu and select Configuration. Note the expansion slot
number of the EtherTalk Interface Card for use in Step 7.

7. Pull down the Options menu and select Test Selections. Click on the
EtherTalk Interface Card check box until an X is displayed in the check box,
and then enter the expansion slot number in the box to the right of the test
name. (You may want to turn off all other tests to reduce testing time.) Then
click on OK.

8. Click on the Start button.

NOTE: If you did not install the loopback connector in Step 4, or if you did
not install it properly, MacTest II displays a window asking you to install the
connector. Turn the power off (to reset the EtherTalk Interface Card), install
the connector as described in Step 4, and continue this procedure at Step 5.

MacTest II runs until the test passes or until a failure is detected. If the
test fails, MacTest II displays a window with troubleshooting instructions.
For additional information, see Section 3, Troubleshooting.

   IMPORTANT
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For the two-card troubleshooting section, setting the jumper section, and the
rest of the General Troubleshooting Procedures, refer to the article "EtherTalk
Interface Card: General Troubleshooting (Part 2 of 2)".

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Keywords: hts

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Tech Info Library Article Number: 1270