Technical Note

TITLE: **Tecra Modem Overview Sheet**

DATE: 06/12/96

PRODUCT FIELDS: 710/720 / Tecra
Features

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INFORMATION:

TECRA MODEM OVERVIEW SHEET

This overview sheet provides information about operating the modem in controller-less vs. controller mode, and explains how to set up your communications program to work with the computer's built-in modem.

CONTROLLER MODE VS. CONTROLLER-LESS MODE

When you set up Windows 95 or Windows for Workgroups on your computer, the computer's built-in modem is set to controller-less mode automatically.
This mode provides access to your computer's telephony features, in addition to data and fax tranmission. The telephony features let you use your computer to:

o place and receive phone calls.
o set up and use a voice mail system.

Controller-less mode is compatible with Windows 95 and Windows for Workgroups. If you're using an operating system that doesn't currently support controller-less mode, such as MS-DOS, OS/2, or Windows NT, the modem operates in controller mode. In this mode, you can use the modem for data and fax transmission, but you won't be able to use the computer's telephony features.

You may also need to switch from controller-less mode to controller mode if your communications program needs to access the modem hardware directly.

CHANGING MODES IN WINDOWS 95

This section provides instructions for changing to controller mode or controller-less mode in Windows 95. To change modes in Windows for Workgroups, refer to "Changing Modes in Windows for Workgroups" on page 5. These instructions assume the modem is still configured to the default setting (COM2).

SELECTING CONTROLLER MODE

To select controller mode, follow these steps:

NOTE: While in controller mode, you won't be able to use your computer's telephony features.
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1   In Windows 95, click the My Computer icon with the secondary button.
2   Click Properties.

Windows 95 displays the System Properties dialog box.
3   Click the Device Manager tab.
4   Click Toshiba Modem Port (COM2).

If you don't see this option, click the "+" next to Ports (COM & LPT), then click Toshiba Modem Port (COM2).
5   Click Properties.

Windows 95 displays the Toshiba Modem Port (COM2) Properties dialog box.
6   Click the Driver tab.
7   Click Change Driver.

Windows 95 displays the Select Device dialog box.
8   Click Communications Port, then click OK.
9   Click OK to accept the new drivers.
10 Click Yes to restart the computer.

The computer restarts. The modem is now in controller mode.

11 To verify that the built-in modem is using the correct port, click the My Computer icon
      with the secondary button, then click Properties. Windows 95 displays the System Properties dialog
box.
12 Click the Device Manager tab.
13 Click the "+" next to Modem.
14 Click TOSHIBA Internal Modem, then click Properties.
      Windows 95 displays the Modem Properties dialog box.
15 Click the Modem tab.
16 Confirm that the port is set to Communications Port (COM2). If
      not, change to Communications Port (COM2) and click OK.

SELECTING CONTROLLER-LESS MODE

To select controller mode, follow these steps:

1   In Windows 95, click the My Computer icon with the secondary button.
2   Click Properties.
      Windows 95 displays the System Properties dialog box.
3   Click the Device Manager tab.
4   Click the "+" next to Ports (COM & LPT), then click Communications Port (COM2).
5   Click Properties. Windows 95 displays the Communications Port (COM2) Properties dialog box.
6   Click the Driver tab.
7   Click Change Driver.
      Windows 95 displays the Select Device dialog box.
8   Click Toshiba Modem Port, then click OK.
9   Click OK to accept the new drivers.
10 Click Yes to restart the computer.The computer restarts. The modem is now in controller-less mode.
11 To verify that the built-in modem is using the correct port, click the My Computer icon with the
secondary button, then click Properties.
      Windows 95 displays the System Properties dialog box.
12 Click the Device Manager tab.

13 Click the "+" next to Modem.
14 Click TOSHIBA Internal Modem, then click Properties.
    Windows 95 displays the Modem Properties dialog box.
15 Click the Modem tab.
16 Confirm that the port is set to Toshiba Modem Port (COM2). If not, change to Toshiba Modem Port (COM2) and click OK.

CHANGING MODES IN WINDOWS FOR WORKGROUPS

This section provides instructions for changing to controller mode or controller-less mode in Windows for Workgroups.

These instructions assume the modem is still configured to the default setting (COM2).

SELECTING CONTROLLER MODE

To select controller mode, follow these steps:

NOTE: While in controller mode, you won't be able to use your computer's telephony features.
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1   Exit Windows for Workgroups.
2   At the system prompt, type cd c:\windows and press Enter.
3   Type edit system.ini and press Enter.
    Edit opens the SYSTEM.INI file.
4   Press Alt + S, then type F.
5   In the Find What: field, type attmodem.vxd and press Enter.
    Edit searches for the selected text.
6   Put a semi-colon (;) in front of the line device=attmodem.vxd, so
    it appears as follows:
    ;device=attmodem.vxd
7   Press Alt + S, then type F.
8   In the Find What: field, type attwave.drv and press Enter.
    Edit searches for the selected text.
9   Put a semi-colon (;) in front of the lines wave1=attwave.drv and
    aux1=attwave.drv, so they appear as follows: ;wave1=attwave.drv and
    ;aux1=attwave.drv
10 To save your SYSTEM.INI file, press Alt + F, then type S. 11 Press Alt + X to exit Edit.
12 Start Windows for Workgroups. The modem is now in controller mode.

SELECTING CONTROLLER-LESS MODE

To select controller-less mode, follow these steps:

1   Exit Windows for Workgroups.
2   At the system prompt, type cd c:\windows and press Enter.
3   Type edit system.ini and press Enter.
     Edit opens the SYSTEM.INI file.
4   Press Alt + S, then type F.
5   In the Find What: field, type attmodem.vxd and press Enter.
    Edit searches for the selected text.
6   Remove the semi-colon (;) from the front of the line
    ;device=attmodem.vxd, so it appears as follows: device=attmodem.vxd
7   Press Alt + S, then type F.
8   In the Find What: field, type attwave.drv and press Enter.

Edit searches for the selected text.
9   Remove the semi-colon (;) from the front of the lines
    ;wave1=attwave.drv and ;aux1=attwave.drv, so they appear as follows:
    wave1=attwave.drv and
    aux1=attwave.drv
10 To save your SYSTEM.INI file, press Alt + F, then type S. 11 Press Alt + X to exit Edit.
12 Start Windows for Workgroups.The modem is now in controller-less mode.

<u>SETTING UP YOUR COMMUNICATIONS PROGRAM</u>

Your computer comes with Multimedia Connect, a communications program that allows you to transmit data and fax,
in addition to providing access to your computer's telephony features. If you wish to use a different communications
program, you'll need to set up the program to work with the built-in modem.

Choose one of the following from the program's list of supported modems:

o TOSHIBA Tecra internal modem
o AT&T modem (generic)

If you do not see either of the above choices on the list of supported modems, you'll need to add the built-in modem to the list or modify an existing list item, specifying the following modem initialization string:

&F &C1 &D2 V1 /V1

Refer to your communications program's documentation for information on setting up a modem and entering a modem initialization string.

Keywords:

700 710 720 TECRA MODEM CONTROLLER CONTROLLERLESS MODE TELEPHONY