

Operations Training Branch

Telewriter 2000 Setup for Windows 3.1

Introduction

These instructions are designed to assist you in setting up the Telewriter 2000 system on a PC at a remote site, and install the appropriate software and device drivers. ***The instructions are provided in the order you are to perform them.***

Remember! Before making any connections, turn all power off!

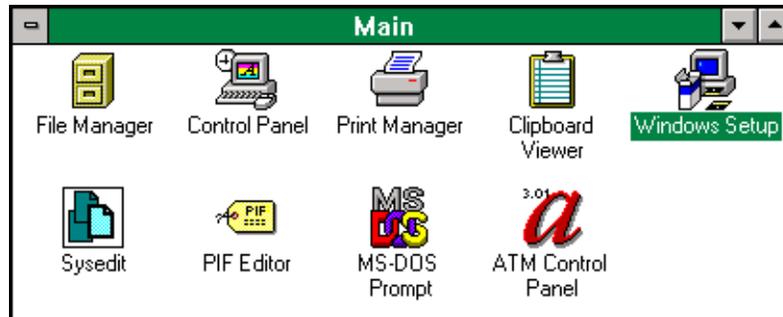
Required Items

- **Software**
 - Telewriter 2000 (2 disks)
 - ACECAD Tablet driver (1 disk)
- **Hardware**
 - ACECAD Graphics Tablet, including:
 - Tablet
 - Pen
 - Cables:
 - Keyboard adapter cables (1 - standard, 1 - PS/2 type)
 - RS-232 cable for tablet (9 pin)
 - Voice-Too Modem, including:
 - Modem
 - Power supply
 - RS-232 Modem cable
 - Phone cord
 - Conference Speakerphone
- **Facility**
 - 80486 PC, with 8 MB RAM, 10 MB hard drive space available
 - Standard analog telephone line
 - 2 power outlets

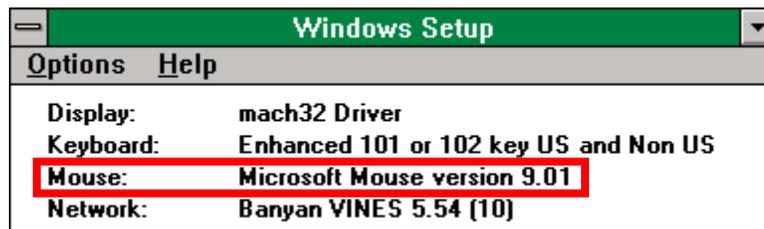
Check Existing Mouse Driver

We will be installing drivers for the ACECAD 5x5 Graphics Tablet for use during audio-graphics sessions. This driver will be used *in place of the system mouse* (or in addition to the system mouse if another serial port is available). If at some time you wish to return to ease using the mouse, you'll need to know the original mouse driver.

From the Windows *Program Manager* window, look in the *Main* applications group and double click on the *Windows Setup* icon.



Make note of the driver that the mouse is using and then *exit Windows Setup*.



Make a note of this driver now. After installing the ACECAD Graphics Tablet drivers, this information will be needed should you wish to return to using the mouse instead of the graphics tablet. The Optel software will work with either the graphics tablet or the mouse.

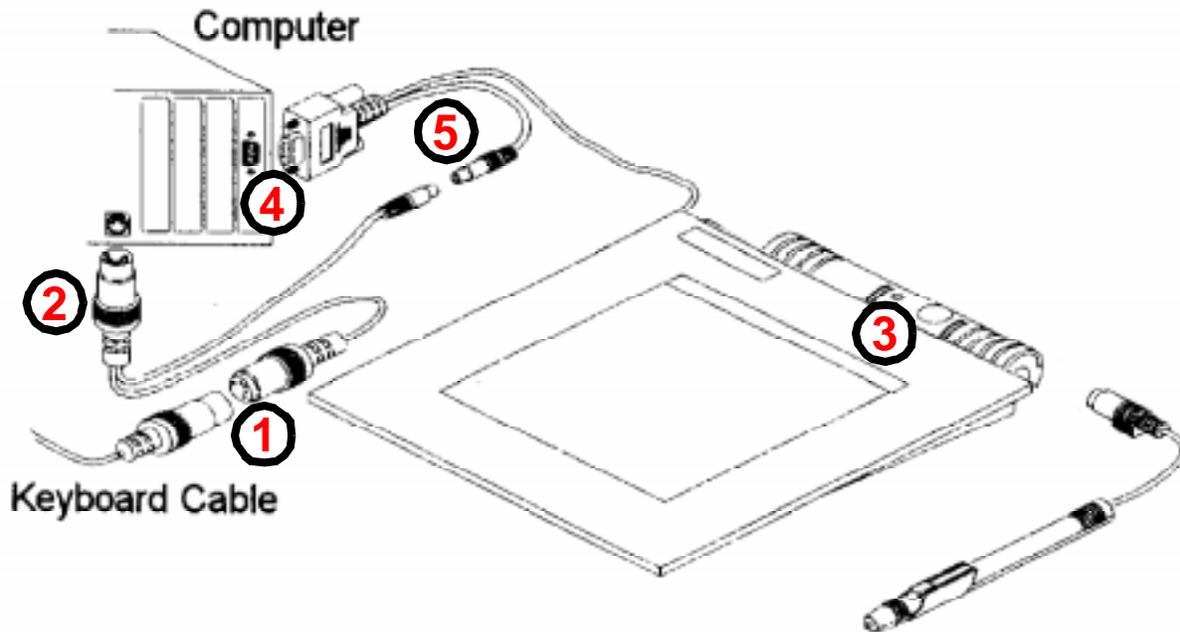
At this point, you are ready to *Exit Windows* and *power down the PC*.

Hardware Installation

Remember! Before making any connections, turn all power off!

We are now ready to install the hardware: Graphics Tablet, Modem and Telephone.

Installing the ACECAD Graphics Tablet



- Step 1.** Disconnect PC Keyboard cable and connect it to the **Keyboard Adapter Cable**. **Note:** If your keyboard plug looks like this:  You should use the **PS/2 Keyboard Adapter Cable** instead of the standard cable.
- Step 2.** Plug **Keyboard Adapter Cable** into PC keyboard connector.
- Step 3.** Ensure that the **RS-232C Cable** and the **Pen** are plugged into the **Tablet**. (Some models of the tablet may only require the Pen connection.)
- Step 4.** Unplug the mouse cord and replace it with the **RS-232C Cable** (9 pin D connector .
- Step 5.** Plug the small power connector of the **Keyboard Adapter Cable** into the **RS-232C Cable**.

Connecting the Voice-Too Modem

- Step 1.** Connect **Power Supply** (small white connector) to rear of modem.
- Step 2.** Connect **RS-232C Modem Cable** to rear of modem (25 pin end of cable) and serial port (9 pin D connector ) of computer.

- Step 3.** Plug telephone line from wall jack to modular plug labeled **LINE** on the back of the modem.
- Step 4.** Plug power supply into power outlet.

Connecting the Conference Speakerphone

- Step 1.** Plug the phone line from the conference speakerphone into the **TEL** receptacle on the back of the Voice-TOO modem.
- Step 2.** Plug the power supply (if included) into the power outlet.

Software Installation

Power up the PC, making sure the modem is powered on first.

Although we will start at the DOS prompt, these steps assume a standard installation of Windows 3.1 with the Windows Setup utility installed as an icon in the Main application group.

Install ACECAD Graphic Tablet Drivers.

The ACECAD installation routine creates backup files of modified **.ini** files. You may want to write down the names of these files as they are displayed on the screen. (You are given the opportunity to read all file names before continuing to the next step in the installation process.) Note: if the drivers have previously been installed on the PC, some prompts may appear differently than listed here.

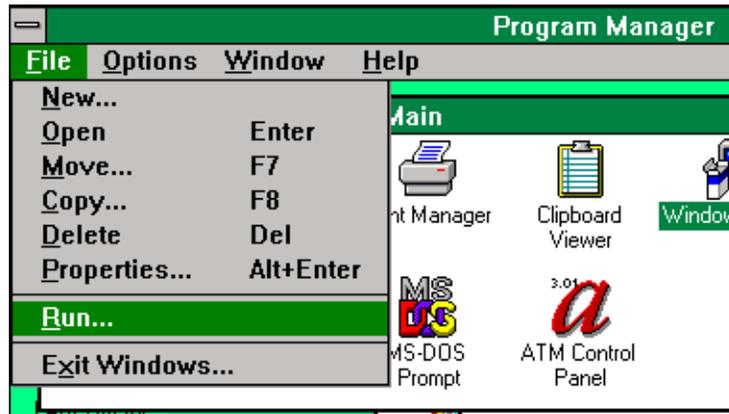
- Step 1.** Place the **ACECAD Install Disk** in the floppy drive of the PC. (It is assumed that the **a:** drive will be used. Substitute the appropriate drive letter.)
- Step 2.** At the DOS prompt, type **a:** and press **Return**. Then, at the **a:\>** prompt, type: **install** and press **Return**.
- Step 3.** Follow the directions as prompted. The installation software will look for the ACECAD Tablet in the COM port you specify (1 or 2). If you choose the wrong port, try the other one when prompted.
- Step 4.** When given the option, choose to install the ACECAD **drivers for Windows 3.x** (option 3).
- Step 5.** **Notification of change to .ini files.** The installation procedure will modify system.ini, progman.ini, control.ini and win.ini. Original files will be copied to new files for backup purposes.
- Step 6.** The installation program will identify the windows system directory. Normally, the default value, c:\windows is acceptable. (This is the directory in which the

windows software resides.) You may want to make note of this directory (especially if not the default).

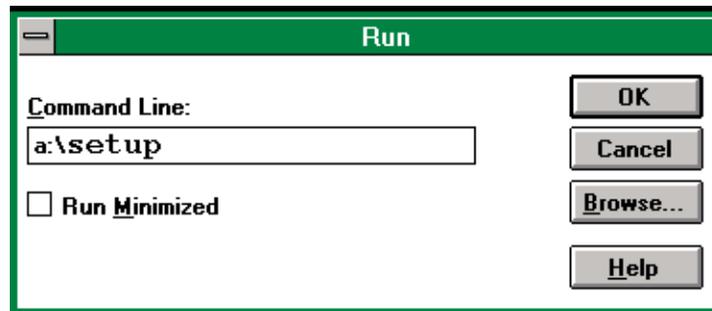
- Step 7.** Answer **No** when asked if the existing device is a digitizer or graphic tablet if the previous pointing device was a mouse.
- Step 8.** Answer **No** to: "Do you want to use the ACECAD tablet together with the above listed device? [y/n]"
- Step 9.** You will be notified that you have chosen to install the tablet without another pointing device. **Enter y for yes to proceed with the installation.**
- Step 10.** Files Installed. You will see a listing of the files installed and the names of the backup .ini files. Make note of these file names (check them off below). They should be as follows:
- ___ c:\windows\system\ayemouse.drv
 - ___ c:\windows\system\awintab.drv
 - ___ c:\windows\system\vsertd.386
 - ___ c:\windows\system\wintab.dll
 - ___ c:\windows\system\wintab32.dll
 - ___ c:\windows\system\wtt16.dll
 - ___ c:\windows\system\oemace.inf
 - ___ c:\windows\tcpanel.exe
 - ___ c:\windows\acecad.grp
 - ___ c:\windows\awintab.doc
- Step 11.** Initialization files (.ini) saved to backup files. Make note of these file names. Normally they are saved with extensions of 000, but could be different if the file previously exists.
- Backup system.ini to system. ___
 - Backup progman.ini to progman. ___
 - Backup control.ini to control. ___
 - Backup win.ini to win. ___
- Step 12.** The screen listing the file changes will remain until you **press any key to continue**.
- Step 13.** When installation is complete, you will return to the driver installation menu again. Exit the installation program by pressing the escape (**Esc**) key.
- Step 14.** Enter **y** for **yes** to exit the installation program.
- Step 15.** Start Windows 3.1. (For example, at the **a:\> prompt**, type: **c:** and press **Return**, then at the **c:\> prompt**, type **WIN** and press **Return**.) Upon start of Windows, the ACECAD Graphic Tablet should be active. If the tablet is **not** active, exit Windows then restart Windows.

Installing the OPTEL Telewriter 2000 Software

- Step 1.** Place the Telewriter 2000 disk 1 in the **a:** drive.
- Step 2.** Run the Telewriter 2000 installation program. With **Program Manager** as the active window, click on the **File** menu, then the **Run...** menu item, as seen in the figure.



- Step 3.** Enter **a:\setup** into the dialog box and press **Return**.



- Step 4.** Follow the directions as prompted. When installation is complete look for the Telewriter 2000 applications group in the Windows Program Manager. Make note of the directory the Telewriter 2000 is copied to. (The default of **c:\TW2000** is normally acceptable.) When prompted, remove disk 1 and insert disk 2.

Telewriter 2000 Initial Setup

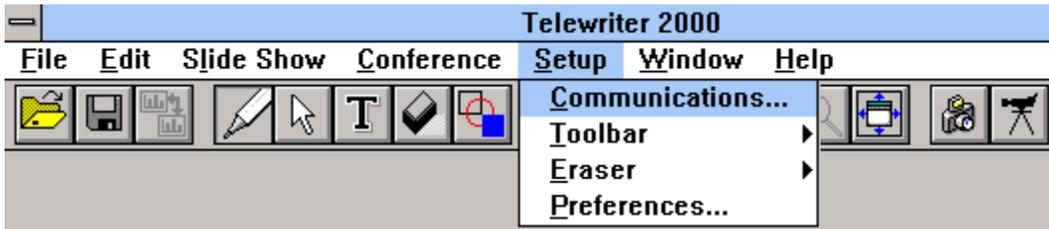
Double-click on the Telewriter 2000 icon to start the Telewriter software. To double-click using the pen, simply press the pen on the tablet twice quickly. In the default setup, the point of the pen acts as the left mouse button, and the button on the barrel of the pen acts as the right mouse button.



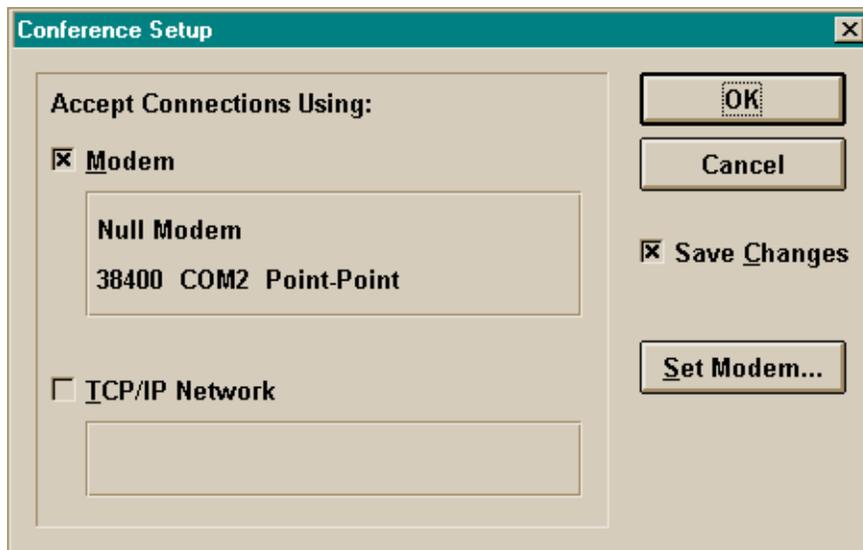
Note: If Telewriter 2000 starts as a graphic screen with a tools icon, double click on the icon to display the tool bar. Then select the Window/Full screen button to gain access to the Telewriter 2000 window with menus.



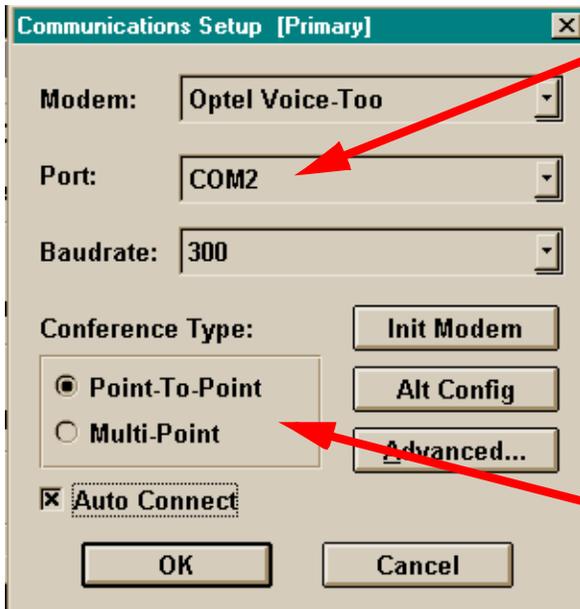
First, check the communications setup by selecting **Setup**, then **Communications** from the Telewriter 2000 menu.



In the **Conference Setup** dialog box, ensure that Modem is selected and TCP/IP is deselected. Then click on Set Modem... to open the **Communications Setup (Primary)** dialog box.



In the **Communications Setup (Primary)** dialog box, set the settings as illustrated, with the following exceptions. If the primary box does not first come up, click on the button labeled modem.,



Port: Select a **different COM port** than the one used for the graphic tablet installed earlier.

Problems could arise with COM port conflicts. In the PC there could be conflicts between **COM1 and COM3**, or **COM2 and COM4**, if either COM port is used simultaneously.

For example, if the PC has a modem already installed using COM2, set the Voice-TOO COM port to COM4, since only one modem will be used at a time. However, if the graphic tablet is using COM1, the Voice-TOO cannot use COM3! This example would cause a COM port conflict.

Conference Type: If you are going to be in a multi-point (more than two locations) conference, select **Multi-Point**.

Preparing for a Teletraining Session

Once available, copy the presentation files onto the hard disk of the PDW. Typically, these files should be accompanied by specific directions as to their directory names and installation procedures.

For a teletraining session, your PDW should be set up as follows:

Set system resolution to 640 x 480 with a minimum of 256 colors.

Log off the LAN and disable the screen saver (only for the duration of a teletraining session)

In the Telewriter 2000 **Communications Setup (Primary)** dialog box, ensure that both Multi-point and Auto Connect are selected. These will be the default settings for a teletraining session.

Uninstalling

Run the UninstallShield program in the Optel program group. For “uninstalling” the system simply unplug the modem and telephone, and replace the graphic tablet with the original mouse.

When deleting software from the system, **refer to your notes** about directories and file names made earlier. Follow the instructions below.

Delete Telewriter 2000 files. Enter these commands (assuming the drive letter and directory names are the typical values) at the **c:\>** prompt:

```
cd tw2000
erase *.*
cd ..
rmdir tw2000
erase c:\windows\opteltel.grp
```

Delete the Presentation Files. Once again, at the **c:\>** prompt enter the following commands:

```
cd agdemos
dir
```

Change to the name of the presentation directory (e.g., xyzdemo, dapmdemo):

```
cd xyzdemo (substitute the directory name from the dir command)
then...
erase *.*
cd ..
rmdir xyzdemo (substitute directory name)
cd ..
rmdir agdemos
```

Delete ACECAD files. Enter these commands (assuming the drive letter and directory names are the typical values) at the **c:\>** prompt:

```
erase c:\windows\system\ayemouse.drw
erase c:\windows\system\awintab.drw
erase c:\windows\system\vsertd.386
erase c:\windows\system\wintab.dll
erase c:\windows\system\wintab32.dll
erase c:\windows\system\wtt16.dll
erase c:\windows\system\oemace.inf
erase c:\windows\tcpanel.exe
erase c:\windows\acecad.grp
erase c:\windows\awintab.doc
```

Restore original “.ini” files. Enter these commands (assuming the drive letter and directory names are the typical values) at the **c:\>** prompt:

Use the file names and extensions you noted on page 5, Step 11. (For this example, we are using 000 (three zeroes) for the file extensions.)

```
cd c:\windows
copy system.000 system.ini
copy progman.000 progman.ini
copy control.000 control.ini
copy win.000 win.ini
```

Finally, reboot the computer to make changes take effect. This should return the PC to the original state.

Questions?!

If questions arise, contact Operations Training Branch in Norman, OK at (405) 366-6560, Don Rinderknecht, ext. 4279, Tony Marci, ext. 4275 or Kenyon Hoggard, ext. 4227.