

# HELP CONTENTS



**MicroTouch**



Running Setup

TEST

After Running Setup

HELP



Troubleshooting



Resources

**For Help on Help, Press F1**



## **Running Setup**

[Beginning the Setup Program](#)

[Setup Initialization Message](#)

[Greeting Message](#)

[Specifying the Touchscreen Settings](#)

[Specifying the Location for the Files](#)

[Using Other Pointing Devices](#)

[Transferring the Touchscreen Files](#)

[Creating the MicroTouch Program Group](#)

[Completing the Setup Program](#)

TEST

## **After Running Setup**

[Testing the Touchscreen](#)

[Running the Touchscreen Demonstration Program](#)

[Listing of Installed Touchscreen Files](#)



## **Troubleshooting**

[Common Problems](#)

[Error Messages](#)

[Controller Status Lights](#)



## **Resources**

[MicroTouch Bulletin Board System \(BBS\)](#)

[MicroTouch Technical Support](#)

## Modifying Windows System Files

The MicroTouch Setup program modifies three system files during installation. Before these files are modified, Setup copies them as backups using the same file name but with the MicroTouch Systems extension .MTS. Setup creates the backup version in the same directory with the original system file.

The following information lists both the system file and its equivalent MicroTouch Systems backup file:

System File	MicroTouch Backup	Platform
SYSTEM.INI	SYSTEM.MTS	Windows and Windows 95
WIN.INI	WIN.MTS	Windows
AUTOEXEC.BAT	AUTOEXEC.MTS	MS-DOS



### Beginning the Setup Program

Topics



[For Windows 95 Users](#)

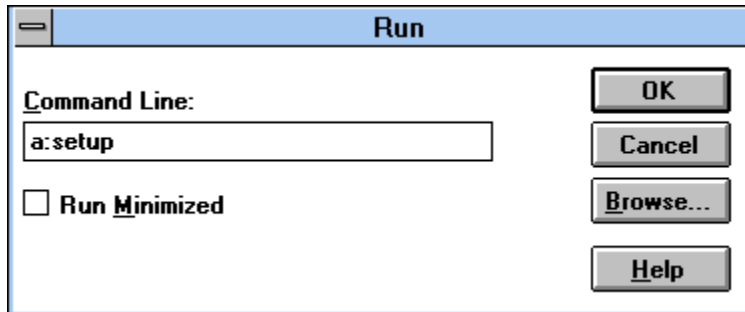


[For Windows Users](#)



## Windows Users

Topics



### To install the Windows and DOS drivers for the touchscreen:

1. Insert the MicroTouch Setup diskette in your disk drive.
2. Access the Program Manager.
3. Open the File Menu and choose Run.
4. In the Command Line box, enter:  
**A:\setup** if you are using Drive A, or  
**B:\setup** if you are using Drive B.
5. Select OK.

The Setup program begins to execute and load the TouchWare files.

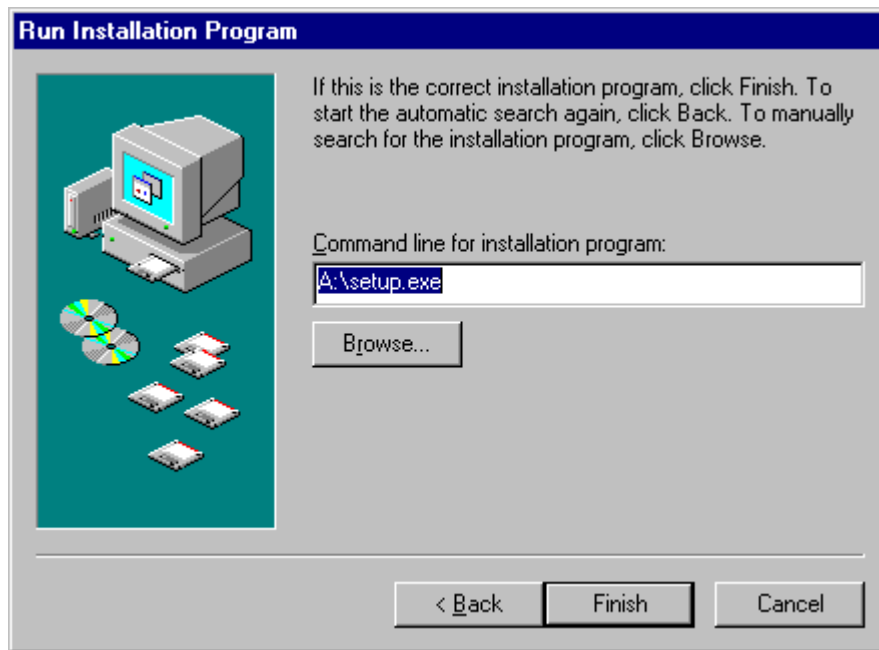


## Windows 95 Users

### Topics

#### To install the Windows 95 driver for the touchscreen:

1. Insert the MicroTouch Setup diskette in your disk drive.
2. Click the Start button on the Taskbar.
3. Click Settings.
4. Click Control Panel.
5. Double-click Add/Remove Programs in the Control Panel.
6. Click Install.
7. Click Next.



8. Click Finish to accept SETUP.EXE as the installation program to run. The Setup program begins to execute and load the TouchWare files.





## Setup Initialization Message

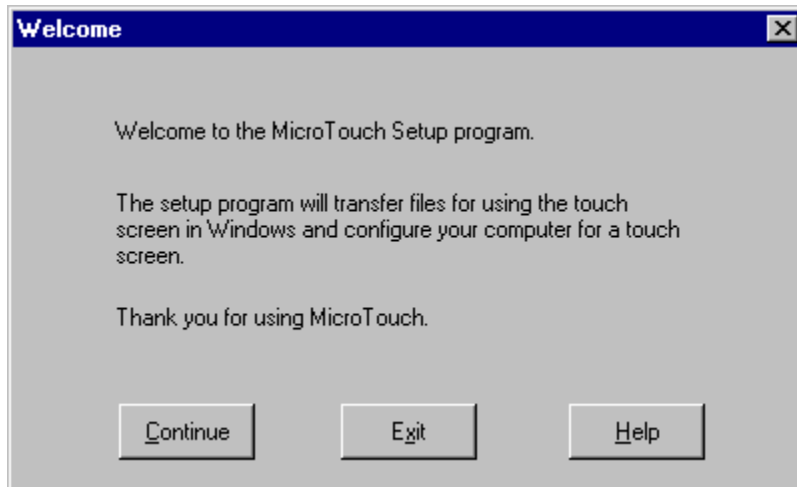
Topics

The MicroTouch Setup program performs initialization procedures. The Setup program checks for MicroTouch system devices and [updates system files](#) to provide the necessary links.



## Greeting Message

Topics

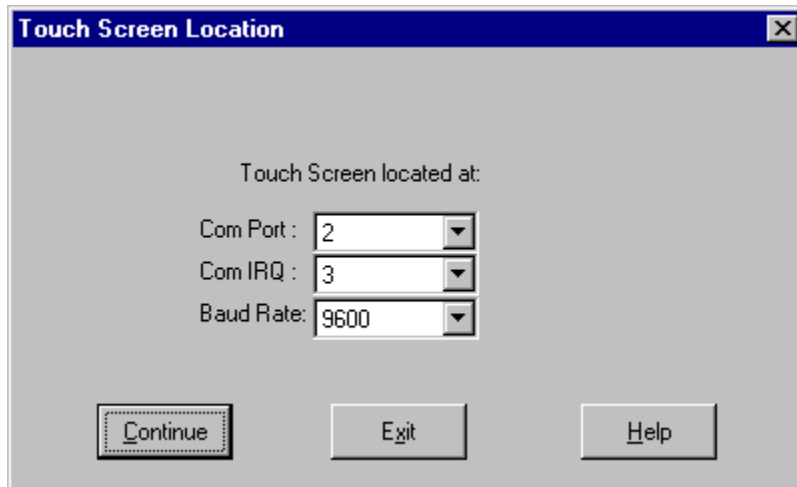


This is the MicroTouch Setup Welcome message, which also summarizes the objectives of the Setup program.




## Specifying the Touchscreen Settings Topics

The Setup program searches to find the current touchscreen communication settings located in your system. If no information is located, a Touchscreen Location dialog box appears with a prompt for you to enter the communication settings. The baud rate is listed as the default setting of 9600. If the information is located, the settings are listed for the COM Port, the COM IRQ, and the Baud Rate as shown in the following example.



### To enter settings:

1. Click on the down arrow  in the list box.
2. Select the appropriate value from the list box.
3. Repeat Steps 1-2 for each setting.
4. Select **Continue**.



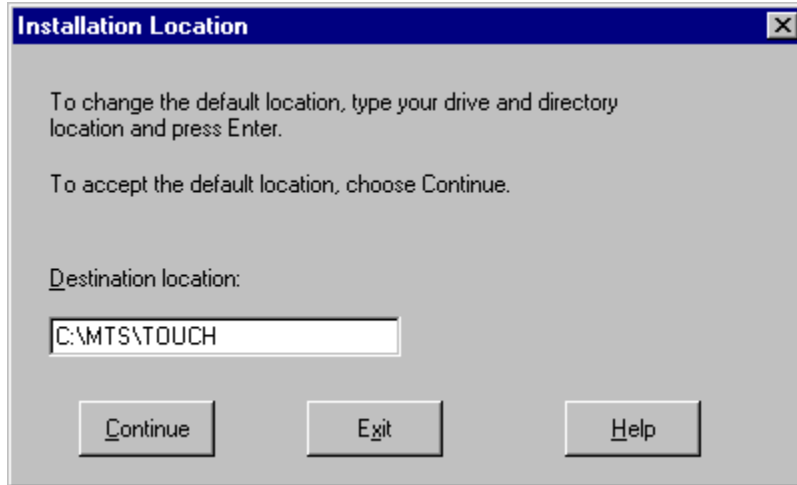
[Helpful Hints](#)



## Specifying the Location for the Files

Topics

In the Installation Location dialog box, the Setup program displays the default directory location to install your files.



## **Destination Location**

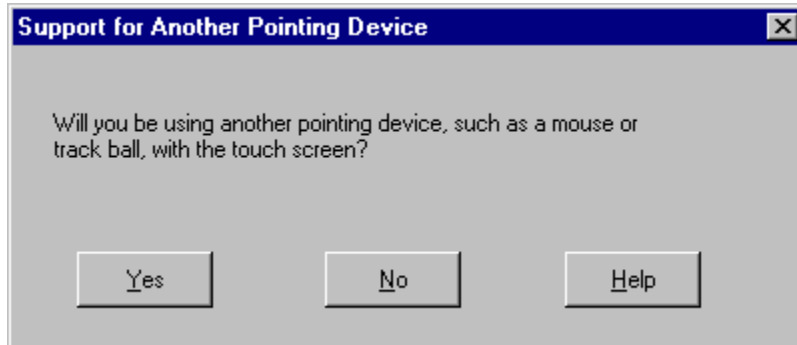
You can specify a different path by entering the new location within this dialog box. The Setup program automatically creates the directory and then copies the files into that directory.



## Using Other Pointing Devices



In order to load the correct drivers, the Setup program needs to know whether you will be using another pointing device, such as a mouse, in conjunction with the touchscreen.



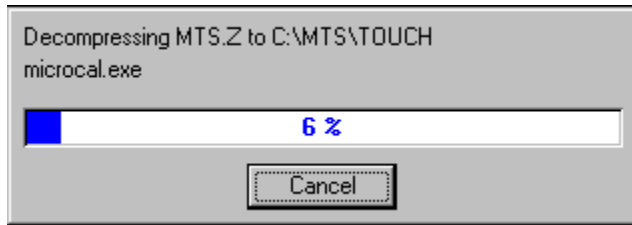
The Windows touchscreen driver does not display the cursor. Instead, the standard mouse driver is responsible for displaying the cursor.

- If you are using a mouse (or any other pointing device) with the touchscreen, select **Yes**. In this case, the mouse driver controls the display of the cursor.
- If you are not using another pointing device, select **No**. In this case, the Setup program loads a cursor display driver (MTSMOUSE.DRV) in addition to the Windows touchscreen driver.

If you select **No**, the Setup program assumes that the mouse port originally in use by Windows is inactive and uses it during this installation. The result is any prior mouse communication and functionality no longer exists. If you want to use a mouse, you will need to reinstall your mouse driver using the Mouse control panel.



## Transferring the Touchscreen Files



The Setup program decompresses the TouchWare files onto your hard disk as it does the installation. Setup displays status messages about the progress of the installation as it transfers the TouchWare files.

The status box displays the name of each file as it is decompressed and transferred to the specified location. The status box also includes a thermometer-style gauge that fills to show how much of the installation is complete. In this example, the installation is 6% complete.

To stop transferring the touchscreen files, press Cancel.



## Creating the MicroTouch Program Group

After the Setup program completes the installation, it automatically creates the MicroTouch program groups.



[MicroTouch TouchWare for Windows 95 Users](#)

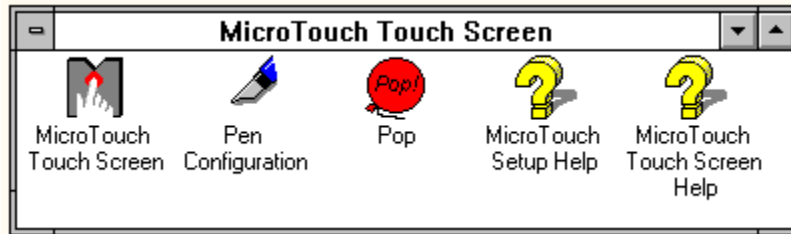


[MicroTouch TouchWare for Windows Users](#)





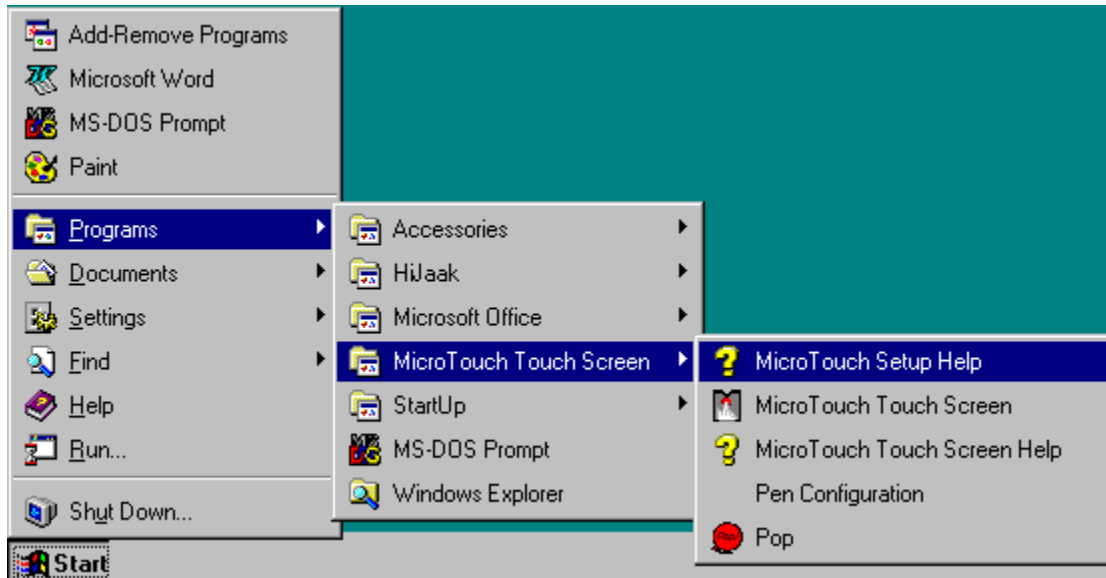
## TouchWare for Windows Users



- To launch an application from the MicroTouch Touchscreen program group, double-click on the appropriate icon.
- To test the touchscreen configuration and controls, double-click on Pop.
- To get Help on using the MicroTouch programs, double-click on Touchscreen Help.
- To get Help on installing TouchWare, double-click on Setup Help.



## TouchWare for Windows 95 Users

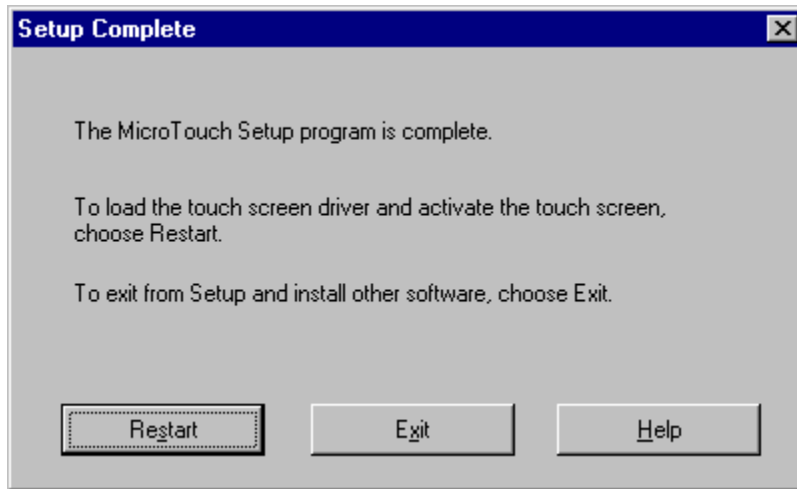


### To launch an application from the MicroTouch Touchscreen program group:

1. Click the Start button on the Taskbar.
2. Click Programs.
3. Click the MicroTouch Touchscreen program group. From the program group, click on the appropriate selection.
  - To test the touchscreen configuration and controls, click Pop.
  - To get Help on using the MicroTouch programs, click Touchscreen Help.
  - To get Help on installing the MicroTouch programs, click Setup Help.



## Completing the Setup Program



The Setup program is complete. **Remove the Setup diskette from your disk drive.**



## Testing the Touchscreen



### To test the touchscreen after setup:

1. Touch the center of the screen.
2. Check that the cursor is located underneath your finger.
3. Drag your finger across the screen and check that the cursor follows your movements.
4. Move your finger to each corner and edge of the screen. Check that the cursor follows your finger.
5. Repeat the test if you are using a pen with the touchscreen.

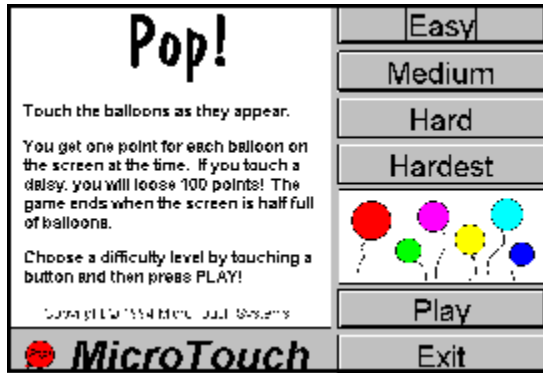
If there are problems with the cursor movement, you may need to calibrate the screen. You may also want to define an offset for the cursor.

For more details, refer to the

***MicroTouch TouchWare User's Guide***  
**MicroTouch Touchscreen Help**



## Running the Touchscreen Demonstration Program



The Pop demo program allows you to try out the touchscreen.



[Running Pop for Windows 95](#)



[Running Pop for Windows](#)

## **Running Pop for Windows 95**

**To run the Pop demonstration program for Windows 95:**

- 1.** Start Windows 95.
- 2.** Click the Start button on the Taskbar.
- 3.** Select Programs.
- 4.** Select MicroTouch Touchscreen.
- 5.** Select Pop.
- 6.** Follow the instructions.

## **Running Pop for Windows**

**To run the Pop demonstration program for Windows:**

- 1.** Start Windows.
- 2.** Open the MicroTouch Touchscreen program group.
- 3.** Double-click on the Pop icon.
- 4.** Follow the instructions.



## **Listing of Installed Touchscreen Files**



### **MicroTouch System Program Files**

[For Windows 95 Users](#)

[For Windows Users](#)

[For Pen Windows Users](#)





## **Common Problems**



### **Touchscreen Problems**

Cannot operate two serial devices

Cursor does not display on the screen after starting Windows

DOS touchscreen driver does not load

Windows does not run after installing the TouchWare software





## Error Messages



### Touchscreen Install & Use Errors

Invalid touchscreen destination path

Unable to communicate with touchscreen on COMx, IRQx

Sorry, Windows 3.xx is running in 386 Enhanced mode. \*\*\*Driver not loaded\*\*\*

Pen controller not found

### Setup Program File Transfer Errors

Internal error, unable to allocate memory

Invalid target location specified: target location

Not enough space on target drive

Output is not a compressed file: "filename.ext"

Unable to open output file: "filename.ext"

Unable to write to output file: "filename.ext"

### Setup Program Start Errors

Setup is unable to copy the installation support file filename to a temporary location

Setup is unable to copy the installation support file ~INS0762.LIB to a temporary location

Setup is unable to expand the installation support file "filename"

Setup is unable to find a hard disk location to store temporary files

Setup was unable to start the installation program



## MicroTouch Bulletin Board System (BBS)



You can access the MicroTouch Bulletin Board System 24 hours a day, 7 days a week. By using the BBS, you can:

- Download updates of the latest drivers
- Obtain regularly updated technical information on MicroTouch products
- Leave questions for Technical Support

You can reach the MicroTouch BBS at the following numbers:

### Telephone Numbers

508-659-9250

508-683-0358

### Supported Communication (Baud) Rates

2400, 4800, 9600, or 14400

2400, 4800, or 9600

To connect to the BBS, you need a 2400, 4800, 9600, or 14400 baud modem and standard communication software. You must set the communication parameters as:

- No parity
- 8 data bits
- 1 stop bit

Once you establish a modem connection with the BBS, the system prompts you to log in using your name. If you are a first-time user, you can register with MicroTouch. The menu of available options is self-explanatory.



## MicroTouch Technical Support



When you call Technical Support, please have the following information ready:

- Serial number from the MicroTouch label on your monitor or touchscreen controller
- Version number of the MicroTouch firmware
- Make and model of your computer
- Type and version of your operating system
- Type and version of your MicroTouch software
- List of peripherals connected to your computer
- Type and version of the application software in use

[United States](#)

[Australia](#)

[France](#)

[Germany](#)

[Japan](#)

[Taiwan, R.O.C.](#)

[United Kingdom](#)



The **MicroTouch touchscreen** is the most intuitive pointing device available for the PC series of computers and monitors. Touchscreens make using computers as simple as touching the screen.

Touchscreens are ideal for a variety of applications, including gaming, training systems, information and self-service kiosks, point-of-sale, factory automation, laboratory and medical instrumentation, interactive selling demonstrations, and educational programs.

The software that lets your touchscreen work with your computer is the touchscreen driver. The MicroTouch Setup program diskette contains the touchscreen drivers for your operating system. TouchWare is the software that provides full touchscreen functionality for all software applications running under your operating system.

Like a mouse, TouchWare lets you select, launch, and drag objects using the touchscreen. TouchWare includes:

- Control Panel for customizing the touchscreen
- Pen Configuration utility for setting pen or finger modes
- Microcal Diagnostic utility to test the operation of the touchscreen

After you install the touchscreen driver, run the MicroTouch demonstrations or open an application. To make a selection, touch the screen. It's that simple and that natural – touch to select.

## **Cannot operate two serial devices**

If you have two serial devices operating together, such as a touchscreen and a mouse, be sure each device uses a unique COM port and IRQ number. For example, the mouse can use COM1/IRQ4 and the touchscreen can use COM2/IRQ3. Using the same COM port or IRQ creates device conflicts.

## **DOS touchscreen driver does not load**

Open the AUTOEXEC.BAT file and look for other drivers that are automatically being loaded when you start your computer. Make sure no other driver uses the same COM port as the touchscreen.

Enter the following command line in the AUTOEXEC.BAT file for loading the DOS Driver:

**C:\MTS\TOUCH\DOSTOUCH**

Enter this command line at the end of the AUTOEXEC.BAT file as the last driver to load.

## Windows does not run after installing the TouchWare software

Indicates that there is no MOUSE.DRV file on your PC. This problem may occur when you upgrade from TouchWare Version 3.0 to a later revision. In the TouchWare software, the touchscreen and the mouse work in conjunction with one another. The Setup program defines the mouse driver as MOUSE.DRV in the SYSTEM.INI file. If you are using a different mouse driver, Windows cannot run because it is trying to load the MOUSE.DRV file.

To correct this problem, you can edit the SYSTEM.INI file and specify the correct mouse driver. If you are not using a mouse, enter MTSMOUSE.DRV (the MicroTouch cursor display driver for Windows) in the SYSTEM.INI file.

### Example

- Open the SYSTEM.INI file with a text editor like Notepad.
- Locate the **[boot]** section within this file usually the first section.
- Enter: **mouse.driv=C:\MTS\TOUCH\MTSMOUSE.DRV**



## **Invalid touchscreen destination path**

You used an incorrect format when specifying the destination path. Be sure to include a backslash (\) before a directory name.

## Unable to communicate with touchscreen on COMx, IRQx

The touchscreen is not communicating with the controller. Check the following:

- Make sure the touchscreen controller is connected to the correct port.
- Review the installation procedures and verify all hardware is properly connected.
- Check the serial port and touchscreen cable connections.
- Check that the touchscreen and controller cables do not have any kinks and that connector pins are not bent.
- Check that the PC Bus controller is firmly seated in the expansion bus slot in your computer.
- If your controller has an LED and you can see it, check the controller's LED for power on. If the LED is flashing, refer to [Controller Status Lights](#) for a list of possible errors.
- Reset the touchscreen and its controller. Turn off both the computer and the monitor, wait a few minutes, and then turn on each device again.
- If the touchscreen is still not communicating after checking the hardware, verify that you specified the correct COM port and IRQ number when you install the touchscreen software. This error will occur if you installed the touchscreen on the wrong COM/IRQ during setup. Rerun the Setup program and specify the correct COM/IRQ.

**Sorry, Windows 3.xx is running in 386 Enhanced mode.  
\*\*\*Driver not loaded\*\*\***

You accessed DOS from within Windows and then entered the DOSTOUCH command. You cannot load the DOS touchscreen driver if Windows is running.

## **Pen controller not found**

You tried to set the pen mode, and either your pen or your TouchPen controller is not properly connected, or you do not have a TouchPen controller in your system.

Check the following:

- If you have a pen, make sure that it is properly plugged into your monitor.
- If you have a TouchPen controller in your system, review the installation procedures and verify all hardware is properly connected.
- Verify that you specified the correct COM port and IRQ number when you installed the touchscreen software. Rerun the Setup program and specify the correct COM/IRQ.

## United States



MicroTouch Systems, Inc.  
300 Griffin Brook Park Drive  
Methuen, MA 01884



508-659-9000



508-659-9100, 508-659-9300, 508-659-9400

**Technical Support Hot Line:** 508-659-9200

**World Wide Web:** <http://www.microtouch.com>

**Bulletin Board System:** 508-659-9250, 508-683-0358

**E-Mail:** [touch@mts.mhs.compuserve.com](mailto:touch@mts.mhs.compuserve.com)

## Australia



MicroTouch Australia, Pty Ltd.  
37-39 Glenvale Crescent  
Mulgrave Victoria 3170



+61 (03) 9561 7799

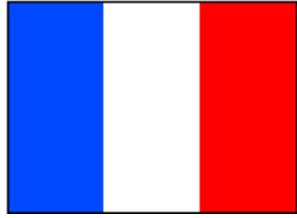


+61 (03) 9561 7393

**Bulletin Board System:** +61 (03) 9562 1176

**E-Mail:** [touch@mtsaust.mhs.compuserve.com](mailto:touch@mtsaust.mhs.compuserve.com)

**France**



MicroTouch Systems SARL  
Europarc de Créteil  
19, rue Le Corbusier  
94042 Créteil Cedex

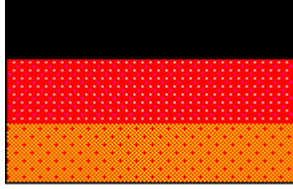


+33 (1) 45 13 90 30



+33 (1) 45 13 90 34

## Germany



MicroTouch Systems GmbH  
Schiess-Str. 55  
40549 Düsseldorf

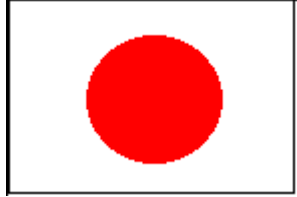


+49 (0) 211-59907-0



+49 (0) 211-599 06 55





## Japan

MicroTouch Systems, Inc.  
EG Building 8F  
3-3-2 Naka-Meguro  
Meguro-Ku, Tokyo 153

### Topics

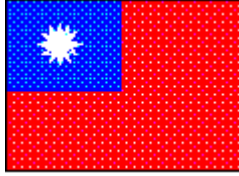
+81 (03) 3794-9775

### Topics

+81 (03) 3794-9776

**Technical Support Hot Line:** +81 (03) 3794-9773

## Taiwan, R.O.C.



MicroTouch Systems, Inc.  
4th Flr., No. 200, Keelung Rd., Sec. 1  
Taipei

### Topics

+886 (2) 722-8050

### Topics

+886 (2) 722-7022

## United Kingdom



MicroTouch Systems, Ltd.  
Thame Park Business Ctr.  
Wenman Road  
Thame, Oxon OX9 3FR

### Topics

+44 (0) 1844-260123

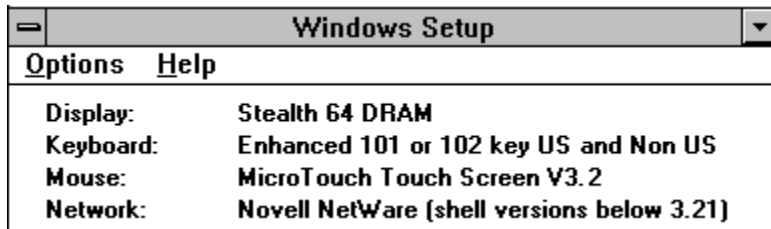
### Topics

+44 (0) 1844-260012

## Cursor does not display on the screen after starting Windows

May indicate that some files have been corrupted, or altered or that the setup has been changed. Possible explanations follow:

- Check that the TOUCH.DRV file (that is, the touchscreen driver for Windows) has not been moved from the directory used at installation.
- Review how you installed the software for the Windows touchscreen driver. If you selected **Yes** for the **Support for Another Pointing Device** dialog box, but do not have a mouse connected to your computer, the cursor will not display on the screen. You can either connect a mouse or load the MTSMOUSE.DRV file from the TouchWare diskette.
- Open the Windows Touchscreen control panel and make sure the Cursor Off option is not selected.
- If the Touchscreen control panel does not function, open the Properties dialog box and make sure the WINPANEL.EXE file is specified in the Command Line box.
- Review the Windows Setup before starting the program and make sure the MicroTouch touchscreen is selected as the mouse device.



## About the Touchscreen and Communication Settings

The touchscreen is a serial input device that is either connected to a serial communication (COM) port on your PC, or to the connector on your PC Bus controller. The PC Bus controller has serial communication built into the interface card and adds a serial port to your computer. However, you can only connect the MicroTouch touchscreen to the port on the PC Bus controller.

During the installation process, you must specify the communication settings to be used by the touchscreen. Each device connected to your PC must have a different communication port (COM port) and interrupt request (IRQ) channel.

When entering the communication settings, **remember**:

- COM1 is usually paired with IRQ4, and COM2 is usually paired with IRQ3.
- If you have a mouse installed on your system, you may want to change the default COM Port and COM IRQ settings, because the mouse uses COM1 and IRQ4 settings.
- If you installed the PC Bus touchscreen controller, remember that you used the jumpers to set the port and interrupt. The default settings on the PC Bus controller are COM3 and IRQ4. Be sure the information in the Touchscreen Location dialog box matches the settings you defined on the controller.

If you have problems with the Com Port, Com IRQ, or Baud Rate communication settings **after** completing the Setup program:

1. Run the **Microcal Diagnostic utility (from DOS only)** to obtain the current communication settings for your touchscreen controller.
2. Run the **MicroTouch Setup program**, and use the previously-obtained Microcal Diagnostic communication settings to confirm the settings that you enter in the [Touchscreen Location dialog box](#). Communication settings in the Setup program must match communication settings from the Microcal program.
3. After completing the Setup program, restart the system.

For details on how to use the Microcal Diagnostic Utility, refer to the

***MicroTouch TouchWare User's Guide***

## **Communication Port**

Sets the communication port. The allowable values are 1 through 8.

## **Communication IRQ**

The communication interrupt sets the number of the interrupt request (IRQ) channel that handles interrupts from the communication port. The allowable values are 2, 3, 4, 5, 10, 11, 12, and 15.

## **Baud Rate**

The baud rate sets the communication rate. The allowable values are 1200, 2400, 4800, 9600, and 14400.



## Continue

Select **Continue** to proceed with the Setup program. If you need to stop the Setup program, select Exit.

## Exit

Select **Exit** when you cannot complete the Setup program, and do not want to install any of the new files at this time.

## Help

Provides context-sensitive help to resolve problems and access information immediately within the Setup program, and also as an online reference tool before using the MicroTouch Setup program.

You can access context-sensitive Help by selecting the Help button for the specific dialog box or window within the MicroTouch Setup program. You can access Online Help to learn about MicroTouch Setup before using the program by selecting the Help button during the beginning of the Setup program.

MicroTouch Setup Help is a Windows-based hypertext system that contains content, search, and browse buttons with navigational icons to help you find and access information quickly.

## **Restrictions**

The Windows TouchWare components require Windows 3.1 or above. For Windows 3.0, please use the pre-3.0 touchscreen components.

## **Unable to open output file: "filename.ext"**

The Setup program cannot open the output file. Make sure that the target directory and files are specified correctly.

## **Unable to write to output file: "filename.ext"**

The Setup program cannot write to the output file. Make sure that the output file is not read-only.

## **Internal error, unable to allocate memory**

The Setup program cannot allocate memory. Make sure that your system has enough base memory to run the Setup program.

## **Invalid target location specified: “target location”**

The target directory is invalid. The Setup program tries to create a directory if it does not exist. In this case, the target drive or directory may be write-protected, or the directory name is not syntactically correct.



## **Output file is not a compressed file: "filename.ext"**

You tried to add files to, or update files in, a library that was not compressed using the Setup program.

## **Not enough space on target drive**

There is not enough disk space on the specified target drive to create a target file.

## **Setup is unable to find a hard disk location to store temporary files**

The Setup program is unable to find an appropriate location to copy temporary files. The Setup program intelligently searches all possible locations for free space to copy temporary files. Make at least 500KB of free disk space available and then try the installation again.

## **Setup is unable to copy the installation support file “filename” to a temporary location**

The ~INS0762.LIB file is the Setup program's user-support file. You copy ~INS0762.LIB to your first distribution disk, and the Setup program automatically decompresses and copies ~INS0762.LIB to a temporary location on the user's hard disk. You'll see this error message if the Setup program cannot find an acceptable temporary location where it can copy the installation support file, or if there wasn't enough free disk space to copy the files.

Make sure you have enough free disk space. Make sure that the environment variable TEMP points to a valid location with enough available disk space.

**Setup is unable to copy the installation support file  
~INS0762.LIB to a temporary location**

The Setup program cannot copy the support files to a temporary location. Check to see that enough free space and appropriate write privileges are available. Make more space available and try again.

## **Setup is unable to expand installation support file “filename”**

After copying the ~INS0762.LIB file to a temporary location, the Setup program could not decompress the support file. Make sure there is enough free space on the drive that you're using for temporary storage.

## **Setup was unable to start the installation program**

Make sure that you have a good copy of the Setup program on your source disks. Check also to see if there is enough space on the target disk.

## For Windows 95 Users

<b>File Name</b>	<b>File Description</b>
MCAL.OVL	Microcal Diagnostic utility overlay
MICROCAL.EXE	Microcal Diagnostic utility
MICROCAL.HLP	Help file for the Microcal Diagnostic utility
MTCONFIG.EXE	Touchscreen Configuration utility
MTPEN.ICO	MicroTouch Pen icon
MTSETUP.HLP	Windows Help file for the MicroTouch Setup program
MTS.ICO	MicroTouch Systems icon
MTSMOUSE.DRV	Cursor display driver for Windows
MTSPOP.EXE	Introductory menu for the Pop demonstration program
MTTOUCH.HLP	Windows Help file for the Touchscreen control panel
POP.EXE	Touchscreen demonstration program
QCAL.OVL	Microcal Diagnostic utility overlay
QUICKCAL.HLP	Help file for the Microcal Diagnostic utility
READ.ME	Product information, release notes
TOUCH.386	Touchscreen driver for Windows enhanced mode
TOUCHDLL.DLL	A library of functions used by the Windows Touchscreen control panel
TOUCH.DRV	Touchscreen driver for Windows
WINPANEL.EXE	Touchscreen control panel for Windows
WINPEN.EXE	Pen Configuration utility for Windows



## For Windows Users

<b>File Name</b>	<b>File Description</b>
DOSPANEL.EXE	Touchscreen control panel for DOS
DOSPANEL.HLP	Help file for the DOS touchscreen control panel
DOSPEN.EXE	Pen Configuration utility for DOS
DOSTOUCH.EXE	Touchscreen driver for DOS
DOSTOUCH.INI	Initialization file for the DOS touchscreen driver
DOSTOUCH.OVL	DOS touchscreen driver overlay
MCAL.OVL	Microcal Diagnostic utility overlay
MICROCAL.EXE	Microcal Diagnostic utility
MICROCAL.HLP	Help file for the Microcal Diagnostic utility
MTCONFIG.EXE	Touchscreen Configuration utility
MTPEN.ICO	MicroTouch Pen icon
MTSETUP.HLP	Windows help file for the MicroTouch Setup program
MTS.ICO	MicroTouch Systems icon
MTSMOUSE.DRV	Cursor display driver for Windows
MTSPOP.EXE	Introductory menu for the Pop demonstration program
MTTOUCH.HLP	Windows Help file for the Touchscreen control panel
POP.EXE	Touchscreen demonstration program
QCAL.OVL	Microcal Diagnostic utility overlay
QUICKCAL.HLP	Help file for the Microcal Diagnostic utility
READ.ME	Product information, release notes
TOUCH.386	Touchscreen driver for Windows enhanced mode
TOUCHDLL.DLL	A library of functions used by the Windows Touchscreen control panel
TOUCH.DRV	Touchscreen driver for Windows
WINPANEL.EXE	Touchscreen control panel for Windows
WINPEN.EXE	Pen Configuration utility for Windows

## For Pen Windows Users

<b>File Name</b>	<b>File Description</b>
DOSPANEL.EXE	Touchscreen control panel for DOS
DOSPANEL.HLP	Help file for the DOS Touchscreen control panel
DOSPEN.EXE	Pen Configuration utility for DOS
DOSTOUCH.EXE	Touchscreen driver for DOS
DOSTOUCH.INI	Initialization file for the DOS Touchscreen driver
DOSTOUCH.OVL	DOS Touchscreen driver overlay
MCAL.OVL	Microcal Diagnostic utility overlay
MICROCAL.EXE	Microcal Diagnostic utility
MICROCAL.HLP	Help file for the Microcal Diagnostic utility
MTCONFIG.EXE	Touchscreen Configuration utility
MTPEN.ICO	MicroTouch Pen icon
MTSAPP.ICO	MicroTouch Application icon
MTSCAL.EXE	Calibration test for DOS
MTSETUP.HLP	Windows Help for the MicroTouch Setup Program
MTS.ICO	MicroTouch Systems icon
MTSPOP.EXE	Introductory screen and menu for the Pop Demonstration program
MTTOUCH.HLP	Windows Help file for the Touchscreen control panel
PENPANEL.EXE	Pen control panel for Pen Windows
POP.EXE	Pop demonstration program
QCAL.OVL	Microcal Diagnostic utility overlay
QUICKCAL.HLP	Help file for the Microcal Diagnostic utility
READ.ME	Product information, release notes
TOUCHPEN.386	TouchPen screen driver for Windows enhanced mode
TOUCHPEN.DRV	TouchPen screen driver for Windows
TPMODE.EXE	TouchPen Mode Select utility

## Note

If you need to troubleshoot problems or error messages that relate to Com Port, Com IRQ, and Baud Rate communication settings, run the **Microcal Diagnostic utility** at the DOS level to get the current communication settings for the touchscreen controller.

Then, run the MicroTouch Setup program, and use the Microcal Diagnostic settings to confirm the settings that you enter in the [Touchscreen Location dialog box](#).

For details on how to use the Microcal Diagnostic utility, refer to the

***MicroTouch TouchWare User's Guide***

## **Controller Status Lights**

Some touchscreen controllers have a light-emitting diode (LED) that provides the status of the touchscreen unit and monitors several diagnostic features in the unit. If you are experiencing problems with the touchscreen, be sure to check the LED for status information.

Bright

Continuously Dim

Blinking

## **Bright**

Indicates one of the following conditions:

- Power was applied to the controller, but communication with the controller was not started.
- Controller was initialized and the sensor was being touched.

## **Continuously Dim**

Indicates that the controller received a Reset command. The LED is dim when the sensor is not being touched.

## Blinking

Indicates that the power-on self-test failed. Possible errors are:

- |                          |                     |
|--------------------------|---------------------|
| 1 flash per 10 seconds   | <b>RAM</b> error    |
| 2 flashes per 10 seconds | <b>ROM</b> error    |
| 3 flashes per 10 seconds | <b>A/D</b> error    |
| 4 flashes per 10 seconds | <b>NOVRAM</b> error |
| 5 flashes per 10 seconds | <b>Analog</b> error |

## Note

Before you begin the MicroTouch Setup program:

- Make sure the touchscreen controller is connected properly.
- Confirm the communication settings for your touchscreen are accurate and current.
- Close all other applications.

To view more information about a setting, a button, or a dialog box, click within the appropriate area. For example, to view information about **Help**, click in the **Help** button area. To find out what the **Run Minimized** setting means, click in the **Run Minimized** setting area. To find out about the **Command line** dialog box, click in the **Dialog box** area.

Notice, as you move the mouse pointer into the selected area, the mouse pointer changes from an arrow to a finger pointing hand to indicate a hotspot containing more information.



## Command Line

This is the command line where you enter the **SETUP** command to start the MicroTouch Setup program. If you install from a diskette, you can use either Drive A or Drive B.

## **Run Minimized**

This is an option that allows you to minimize on use when you start the Setup program.

## **OK**

Saves the current information, and continues with the Setup program.

## **Cancel**

Does not save the current information in the Setup program.

## Browse

Lets you search for a specific file. For example, if you want to check the information in the README file before starting the Setup program, use the **Browse** button to display a file listing of the Setup diskette and then locate the README file to view.

## Note

If you intend to install other applications immediately after completing the Setup program, REMEMBER, you need to RESTART your system to use the new, installed touchscreen settings.

## Yes

If you use other pointing devices such as a mouse, a track ball, or a joystick with your touchscreen, select **Yes**.

**No**

If you do not use other pointing devices, select **No**.



## **MicroTouch Touchscreen**

This program is the Touchscreen control panel application for your touchscreen.

## **Pen Configuration**

This program is the Pen Configuration utility that lets you use a pen with your touchscreen.

## **Pop**

The touchscreen demonstration program lets you try out the touchscreen.

## **MicroTouch Setup Help**

MicroTouch Setup Help is a Windows-based hypertext system that contains content, search, and browse buttons with navigational icons to help you find and access information quickly.

MicroTouch Setup Help provides context-sensitive help to resolve problems and access information as an online reference tool before or after using the MicroTouch Setup program.

## **MicroTouch Touchscreen Help**

MicroTouch Touchscreen Help is a Windows-based hypertext system that contains content, search, and browse buttons with navigational icons to help you find and access information quickly.

MicroTouch Touchscreen Help provides context-sensitive help to resolve problems and access information as an online reference tool before or after using the MicroTouch Touchscreen program.

## Restart System

To start using the MicroTouch touchscreen immediately, select **Restart** to activate the settings.

## **Exit**

To return to Windows to install other software applications, select **Exit**.

