

Touch Screen Monitor Setup Guide

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About the Device

On the back of the touch screen monitor, there are some buttons and some ports. Each of these will be briefly described in this section. It is important to note that the touch screen monitor is two independent devices packaged as one. The monitor portion behaves like any other monitor in that all it does is displays the visual output. The touch screen sits over the monitor and detects user input.

Power jack

The power jack is the circular jack with a black rectangle around it. This is how the monitor gets power from an outlet.

Power Button

The power button is the button that protrudes from the back of the monitor and is square in shape. Press this button to turn the monitor portion of the touch screen monitor on or off. Note that when the touch screen is connected to the computer and power button is off, the touch screen still acts as an input device.

VGA Port

The VGA Connector is the blue, 15-pin, port on the back of the device. This port is used only for the visual portion of the touch screen monitor.

Serial Port

The serial port is the 9-pin port just below the VGA port. This port is used exclusively for the transmission of touch screen input information.

Monitor Settings Buttons

These four buttons are the black, circular, buttons on the back of the touch screen monitor. They are used to alter the settings of the monitor, just like any normal monitor.

Installation

This is a step-by-step installation walkthrough. Text highlighted in red denotes a situation unique to the hardware used when this guide was written. Your setup may require additional/different steps.

1. Connect the power supply to the power jack.
2. Connect a VGA cable to the VGA port on the back of the touch screen monitor and to the computer. You may use dual monitors or converters.
3. Connect a serial cable to the serial port on the back of the touch screen monitor. **Connect the other end of the serial cable to a 9-pin serial to 25-pin serial adapter. Connect the 25-pin serial side of the adapter to a USB/serial converter. Use another cable to connect the USB port on the converter to the USB port on the computer.**
4. **Windows will ask if you want to install the new hardware. The hardware devices that you want Windows to install automatically are the USB Serial Converter, and the USB Serial Port.**
5. Open the "MT7.12.4.Win32" folder and run "Setup.exe". You may get an error about being unable to uninstall the drivers. This is fine.
6. Locate the "MicroTouch MT 7" folder in the Start Menu. Choose "MultiMonitor Manager".
7. Click the "Start Over" button.
8. On the right side of the window, choose the monitor with the touch screen. Now press on the touch screen monitor.
9. Click "Save & Exit".
10. Locate the "MicroTouch MT 7" folder in the Start Menu. Choose "Calibration".
11. Follow the calibration tool's onscreen instructions.
12. Locate the "MicroTouch MT 7" folder in the Start Menu. Choose "Control Panel".
13. Navigate to the "Touch Settings" tab.
14. Change to any of the touch modes as needed. The right-click tool can also be enabled here if needed.
15. Change the double-click area to nearly three tick marks from the left. This can always be changed later to suit your needs.
16. Click "Close" and the installation is complete.

Additional Features

There are a number of additional features and settings that may be beneficial to use of the touch screen monitor. These additional features are described below.

Touch Modes

There are three different touch mode settings: drawing, touchdown, and liftoff. Drawing is the same as clicking and dragging with a mouse. It is the most versatile function, allowing the user to click buttons or drag objects around on the screen.

Touchdown recognizes input only when the user initially touches the screen. In other words, moving your finger around on the screen does nothing after the initial touch. This is useful in limiting the user to button clicks.

The liftoff mode is similar to touchdown in that the input is only recognized when the user removes their finger from the touch screen. This is useful for making sure the cursor is in the correct location before clicking a button.

Right-click Tool

The right-click tool enables a small icon in the bottom-right corner of the touch screen monitor. Pressing on the icon turns the right-click function on. The following finger press will act like a right-click with a mouse. Right-click mode only works for one press after turning it on. To make another right-click, press the right-click tool icon again.

Edge Adjustment

Edge adjustment is useful if there are icons or buttons located in the corners or on the edges of the touch screen. If edge adjustment is used, the pointer is moved ahead of your finger, and closer to the edge of the screen, as your finger gets closer to the edge of the screen. This setting must be set individually for each edge. A test button is provided to intuitively show the effects of the current edge adjustment settings. The touch screen monitor used while writing this guide did not have any trouble reaching the screen edges, but this setting may be useful for other touch screen monitors.