

**USING**[PEN](#)[CORDLESS MOUSE](#)[TABLET](#)**CUSTOMIZING**[PEN](#)[CORDLESS MOUSE](#)[TABLET](#)[POP-UP MENU](#)**TROUBLESHOOTING**

# graphire<sup>®</sup>4



## User's Manual for Windows<sup>®</sup> & Macintosh<sup>®</sup>

Wacom Graphire<sup>®</sup> 4 User's Manual for Windows<sup>®</sup> & Macintosh<sup>®</sup>

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## About the manual

This interactive user's manual provides quick access to information about Graphire4. Just click on a navigation button or highlighted word to move through the document. The information is common to Windows and Macintosh computers, and Windows screen captures are shown unless otherwise noted.

- In the [contents](#) you can go directly to a topic by clicking on it.
- [Working with Graphire4](#) is the learning chapter, and introduces you to the many capabilities of your Graphire4 pen tablet. It describes the pen tablet, the features and function of each Graphire4 tool, and includes exercises for new users. If you are not familiar with a pen tablet, this chapter gives you the basics.
- [Customizing](#) describes how you can change the control panel settings to optimize your Graphire4 pen, mouse, and tablet for the way you like to work.
- Want to test your tablet and tools? Need troubleshooting guidelines? [Troubleshooting](#) is where you will find the answers to most common questions.
- The [appendix](#) includes a variety of information: tips on caring for your tablet and tools, a how-to on uninstalling the software, your license and warranty, and more.

**Note:** This manual does not contain information on installing your tablet. Please refer to your product Quick Start Guide and to the automated software installer (located on the Wacom Pen Tablet Driver CD) for complete details on installing your Wacom tablet.

If you are new to electronic documentation, be sure to read [navigating the manual](#).

Here are some other points to keep in mind:

- SMALL CAPITAL LETTERS are used to identify the names of keyboard keys, dialog boxes, and control panel options.
- Remember that you can always use the Adobe Reader zoom-in tool to increase the size of the manual on your display screen.
- The following kinds of information are not included with this product: information about your specific computer hardware or operating system, or information about your application software. Your best source for this information is the set of manuals and disks that came with your hardware, operating system, or application.
- Many graphics applications have built-in support for Graphire4 features (such as pressure-sensitivity and eraser support). You can find a listing of applications that support these features at Wacom's web site (see [product information](#)). For information on how best to use Graphire4 features within a specific application, refer to the instructions in that application's manuals.

## Navigating the manual

Use the navigation controls to move through the manual:



Go to front page.

[CONTENTS](#)

Go to table of contents.

[INDEX](#)

Go to index.



Go back to previous view.



Page back, or page forward.

[HEADING TEXT](#)

Go to beginning of section.

[topic](#)

Go to topic.



Topic continued.

Adobe Reader provides you with additional tools for using and printing the manual. Refer to the Adobe Reader help for more information.

## WORKING WITH GRAPHIRE4

This section introduces you to the Graphire4 pen tablet, which consists of two basic elements: a tablet that serves as your work area, and the [input tools](#) you use on the tablet.

The quickest way to learn about your Graphire4 pen tablet is to become familiar with its appearance and features. If you are new to using a pen tablet and tablet input tools, read the following sections to learn about your Graphire4 tools and how to use them with the tablet.

[Tablet features](#)

[Input tools](#)

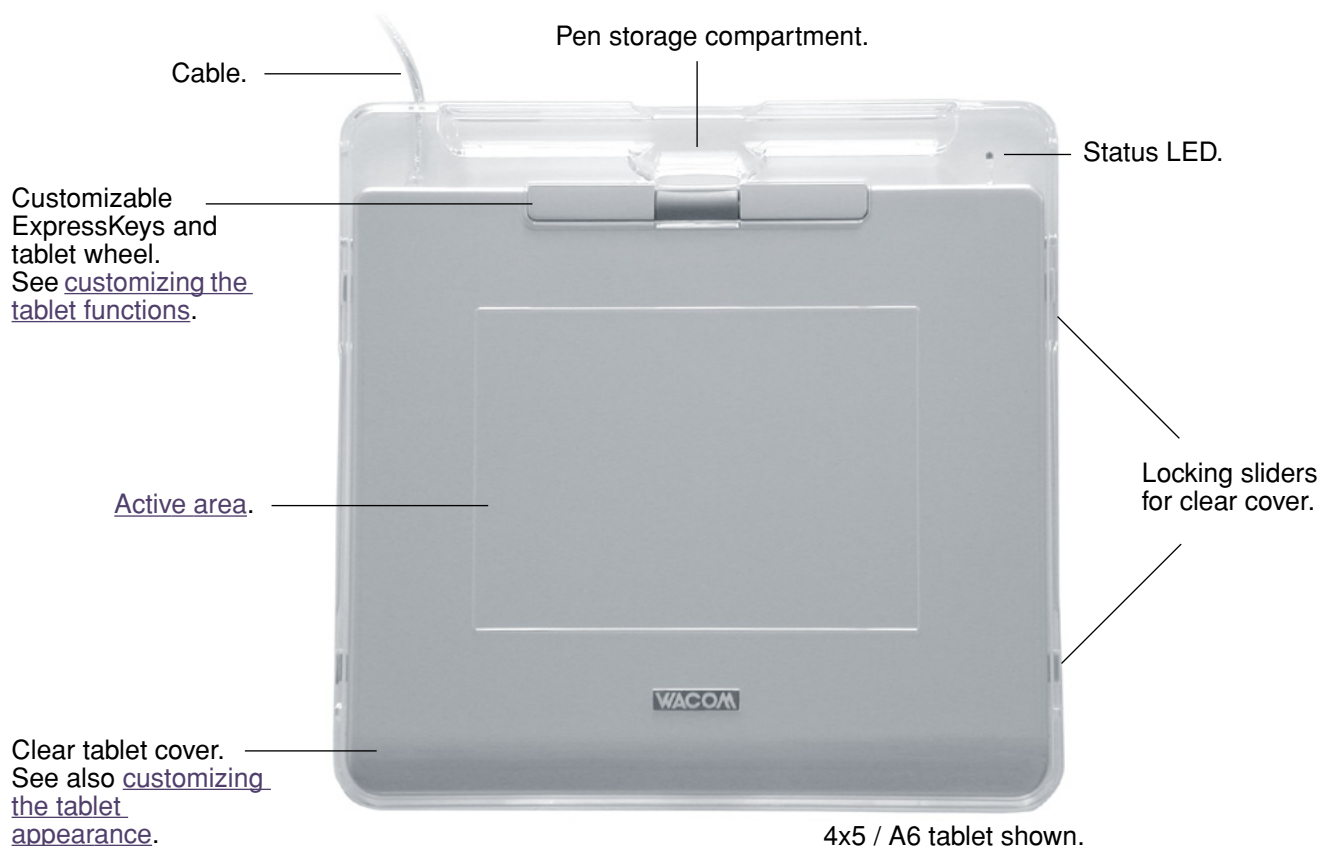
[Setting up your work area](#)

[Using the cordless pen](#)

[Using the cordless mouse](#)

[Working with the tablet](#)

### Tablet features



## Input tools

Your Graphire4 input tools are cordless, battery-free, and ergonomically designed.



Eraser.

Side switches.

Replaceable nib  
(pen tip).

Graphire4 pen. The pen is a pressure-sensitive freehand tool for image editing and creating natural-looking pen and brush strokes. It is also an efficient tool for document annotation, and for taking notes in applications that support handwriting recognition.

Fingerwheel. An integrated middle button and rolling wheel that can be used for up and down scrolling in the active window. It can also be customized to perform a variety of button functions.



Programmable buttons can be customized for the way you like to work.

Graphire4 cordless mouse. The cordless mouse is an ideal tool for navigation or performing any other task you may have done previously with a standard mouse.

**Note:** Some product configurations may not include the cordless mouse.



Pen stand.

## Setting up your work area

To minimize fatigue, organize your work area so you can work comfortably. Position your tablet, input tools, and keyboard so they are easily accessible without unnecessary reaching. Your monitor should be positioned so you can view it comfortably with a minimum of eyestrain. For best results, orient the tablet so the screen cursor follows the same direction as your hand movements on the tablet.



Here are some other points to keep in mind:

- Take short breaks between tasks to stretch and relax your muscles.
- Use a gentle grip when working with your tools.
- Alternate tasks and tools throughout the day.
- Maintain a good posture at all times. Minimize awkward postures and repetitive movements that cause discomfort.
- Change your position if you feel any discomfort due to your work position.

**Note:** Wacom makes no representation, promise or guarantee that Wacom products will cure or prevent, in whole or in part, mouse-induced repetitive stress symptoms, injuries or conditions. Individual results may vary. Always obtain competent medical advice to determine the most appropriate treatment for your specific situation.

See [working with the tablet](#) for more information.



## Using the cordless pen

Your Graphire4 pen is cordless, battery-free, and pressure sensitive. There are four basic techniques for using the pen: pointing, clicking, double-clicking, and dragging. With a bit of practice, using the pen will become second nature to you. If you are unfamiliar with using the pen, try the exercises on the following pages.

[Holding the pen](#)

[Pointing](#)

[Clicking](#)

[Dragging](#)

[Using the side switches](#)

[Drawing with pressure-sensitivity](#)

[Erasing](#)

[Eye-hand coordination exercise](#)

## Holding the pen

Hold the Graphire4 pen like you would a normal pen or pencil. Make sure the side switches are in a convenient location where you can toggle the switches with your thumb or forefinger, but not accidentally press them while drawing. You can tilt the pen in any way that feels most comfortable for drawing.



Position for drawing.



Position for erasing.



Your tablet also comes with an integrated pen storage compartment. When you are not using the pen, you can snap the pen into the storage compartment or lay it flat on your desk.



Use the pen stand to store the pen between tasks. This also makes the pen available for quick, easy access when you are working.

**Important:** When the pen is not in use, place it in the pen storage compartment, the pen stand, or lay it flat on your desk. To maintain the sensitivity of your pen tip, do not store the pen in a container where it will rest on its tip. Leaving a Graphire4 tool on the tablet may interfere with screen cursor positioning when using other pointing devices. Also, leaving the pen on the tablet when not in use can prevent your computer from going to sleep.

## Pointing

The Graphire4 pen positions the pointer (or cursor) on your screen. You can position the screen cursor two different ways, like a pen ([PEN MODE](#)) or like a mouse ([MOUSE MODE](#)).

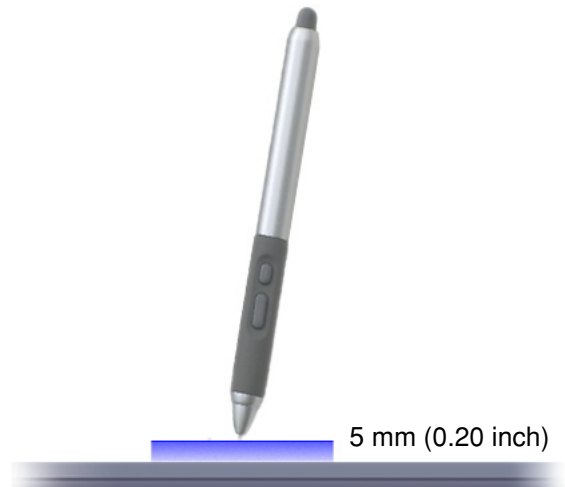
- In **PEN MODE**, the tablet active area is a mapped representation of your computer screen where every point on the active area corresponds to exactly one point on the display screen; wherever you place the pen on the tablet, the screen cursor will jump to the corresponding point on the screen. This is the default setting for the pen.
- In **MOUSE MODE**, the default setting for the cordless mouse, you move the cursor with a “pick up and slide” motion similar to using a traditional mouse.



Try moving the screen cursor by lifting the pen and placing the pen tip in a new location on the tablet. The cursor instantly jumps to the new location.

When positioning the screen cursor and operating a side switch, the pen tip needs to be within 5 mm (0.20 inch) of the tablet surface. You do not need to touch the tablet with the pen tip in order to move the screen cursor or use a side switch.

The cordless mouse works similarly to the pen, and works only over the active area of the tablet.



### Hints:

- If you are used to working with a mouse and find that using a pen is somewhat difficult, try the [eye-hand coordination exercise](#).
- Pointing is easier when you orient the tablet so the screen cursor follows the same direction as your hand movements on the tablet.

## Clicking

You typically click to highlight or select something on the screen, and double-click to open it.

**Clicking.** To click, tap the pen tip once on the tablet, or press the pen tip on the tablet with enough force to register a click. (If **CLICK SOUND** is selected in the Pen Tablet control panel and your computer speakers are on, then you will hear a “click” sound when the pen tip is pressed hard enough to generate a mouse click. Adjust your speaker volume as necessary.) Try clicking on a folder icon by moving the screen cursor over the icon and pressing down on the pen tip. The folder should highlight when you press.

**Double Clicking.** To double-click, quickly tap the tablet twice in the same place with the pen tip. This is like clicking twice with a mouse button. Try double-clicking on a folder icon to open it.

### Hints:

- Press the upper side switch to double-click. This is easier than tapping twice with the pen tip, and is the preferred method of double-clicking with a pen.
- **Windows:** You can make navigating with the pen easier by configuring Windows to select when the pen is over an icon and to launch the icon with a single click. To turn on this feature:

Windows XP, 2000, or Me: Open a folder, select the **TOOLS** pull-down menu, and **FOLDER OPTIONS...** From the **GENERAL** tab select the option **SINGLE-CLICK TO OPEN AN ITEM (POINT TO SELECT)**.

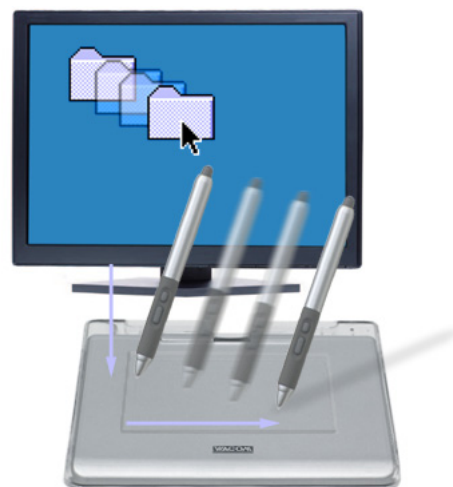
Windows 98: Open a folder, select the **VIEW** pull-down menu, and **FOLDER OPTIONS...** From the **GENERAL** tab select the **WEB STYLE** option.



## Dragging

Dragging is used to select and move objects on the screen. To drag, first point to an object. Then press the pen tip to the tablet and slide it across the tablet surface. The selected object will move across the screen. To select text, move the screen cursor to the beginning of a text line, then drag the pen across the tablet until the text is highlighted.

First, try moving an icon on the screen. Then, within a document, select some text by pressing and dragging the pen tip across the text.



## Using the side switches

The Graphire4 pen is equipped with two side switches. Each switch has a programmable function that is selected when you press the switch. You can use a side switch whenever the pen tip is within 5 mm (0.20 inch) of the tablet active area. You do not have to touch the pen tip to the tablet in order to use a switch.

The upper switch is set to DOUBLE CLICK, and the lower switch is set to RIGHT CLICK by default.



### Hints:

- Press the upper side switch to double-click. This is easier than tapping twice with the pen tip.
- Use a right-click to bring up application-specific or icon-specific menus.

To assign new switch functions, see [customizing the side switches](#).

## Drawing with pressure-sensitivity

The Graphire4 pen responds to the nuance and inflection of your hand movements, enabling you to create natural-looking pen and brush strokes. Many graphics applications have drawing tools that respond to the pressure you place on the pen. For example, in some drawing programs sliders are used to vary brush characteristics (width, color, and opacity). These characteristics can be controlled much better by the pen's pressure-sensitivity – you can vary line width, blend colors, and change opacity with the pressure you exert upon the pen.

To draw with pressure-sensitivity, first select a pressure-sensitive tool from your application's tool palette. Then draw along the surface of the tablet while applying various amounts of pressure downward on the tip of the pen. Press hard for thick lines or dense color. Press gently for thin lines or softer color. To adjust the tip feel, see [adjusting tip feel, eraser feel, and double-click](#).

Visit our web site for a list of graphics applications that support pressure. See [product information](#).



## Erasing

The eraser on the Graphire4 pen works like the eraser on a pencil. In graphics applications that support the pen eraser, you can erase intuitively and naturally. When you use the pen eraser, the application will automatically switch to the eraser tool. In applications that support pressure-sensitivity, you can select pressure-sensitive tools in an application's tool palette to vary the width and depth of your erasures as you change the amount of pressure you exert upon the pen.

For Windows, you can also use the eraser in many standard office applications. The eraser will not be pressure sensitive in these applications, but you can use it to select and delete text or spreadsheet cells.

For more information on using your eraser, see [adjusting tip feel, eraser feel, and double-click](#).

Visit our web site for a list of graphics applications that support the eraser (see [product information](#)). If the eraser is not supported in an application, you can still use the eraser for navigating and drawing.

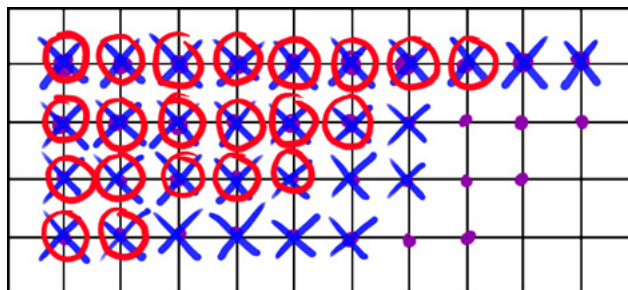


## Eye-hand coordination exercise

If you use a mouse, you may remember how long it took to get used to positioning the screen cursor. Your Graphire4 pen, likewise, will take a bit of practice to master the technique of positioning the screen cursor in **PEN MODE**. This may seem difficult at first, but it is more natural and faster than in **MOUSE MODE**.

This exercise is designed to retrain your eye-hand coordination for using the pen:

1. Open any graphics application. Use the line tool to draw a rectangular grid with line spacings of about 20-25 mm (3/4 to 1 inch). You can use your traditional mouse to do this.
2. Choose a free-hand tool in your application and use the pen to draw a dot at each grid intersection.
3. Draw an X at each grid intersection.
4. Now draw a circle around each intersection. Your screen should look like this:



5. Clear your screen and make a simple drawing of your own. The more you use your pen, the easier drawing and navigation will become.

## Using the cordless mouse

The Graphire4 cordless mouse is battery-free and works on your Graphire4 pen tablet.

The fingerwheel can be rolled, or pressed for an additional button function.

- **Rolling.** By default, the fingerwheel is set to SCROLL 3 lines per wheel notch in most windows and applications. Move the fingerwheel forward to scroll up, and back to scroll down.
- **Wheel button.** Press down on the wheel to perform a button click. The wheel button is set to MIDDLE CLICK by default.

The right button is set to RIGHT-CLICK by default, and displays a context menu when pressed.



The left button is set to CLICK by default, and is the primary button used for selecting.

**Hint:** For MS Office applications that support a wheel mouse, press the CTRL key and move the fingerwheel to zoom in and out.

**Important:** When the cordless mouse is not in use, place it on your desk. Leaving a Graphire4 tool on the tablet may interfere with screen cursor positioning when using other pointing devices, or may prevent your computer from going to sleep.

To learn how to adjust the mouse behavior for your preferences, see [customizing the cordless mouse](#).

## Working with the tablet

Your Graphire4 pen tablet is designed to enhance the way you work. The middle area of the tablet is the working, or active, area for the pen and cordless mouse. Rest your hand on the tablet and then work with the pen on the active area of the tablet just as if you were using a ball point pen on a piece of paper. Wherever you place your pen on the tablet active area, the screen cursor will jump to the corresponding point on the screen. See [using the cordless pen](#) and [using the cordless mouse](#) for more information about using your input devices on the tablet.

Your tablet also features customizable ExpressKeys and a tablet wheel located above the tablet active area. By default, the ExpressKeys are set to simulate the FORWARD and BACK functions within Internet browsers.

**Tablet wheel.** By default, the wheel is set to SCROLL 3 lines per wheel notch in most windows and applications. Move the wheel forward to scroll up, and back to scroll down.

**ExpressKeys.** Press the keys to move FORWARD (right key) or BACK (left key) within your Internet browser. You can also customize the keys to perform frequently used functions or keystrokes.

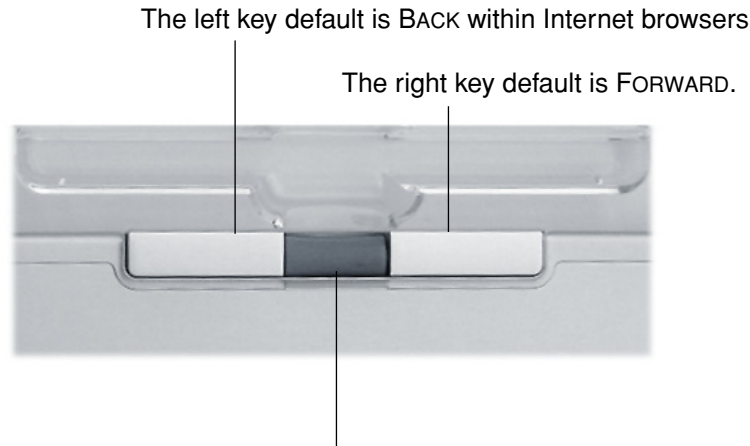


Your tablet comes with a clear cover used to protect the tablet.

- You can customize from which direction the USB cable exits the cover. Simply route the cable to exit from the appropriate gate in the clear cover at the top or either side of the tablet.
- The clear cover allows you to customize Graphire4 with your favorite photos or artwork. See [customizing the tablet appearance](#) for details.

## Using the ExpressKeys and tablet wheel

By default, the customizable ExpressKeys are set to perform the FORWARD and BACK functions within most Internet browsers. The customizable tablet wheel is set to SCROLL 3 lines per wheel notch in most windows and applications.



You might consider some of these alternate ways of using the ExpressKeys:

- Set a key to a commonly used keyboard shortcut.
- Set a key to launch a commonly used file or application, such as your email program.
- If you prefer not to (or cannot) use the side switches on your Graphire4 pen, then set a key to right- or double-click.
- Choose from any of the other available functions.

Depending on the function you have chosen, you can also press the keys with your secondary hand to toggle between tools or change tool properties while you are using your primary hand to work with your pen on the tablet.

Note also that the tablet ExpressKeys are chordable, which means you can operate them simultaneously. For example, if you program one key to simulate the CTRL key and another to simulate an ALT keystroke, when you press both keys a CTRL+ALT is simulated.

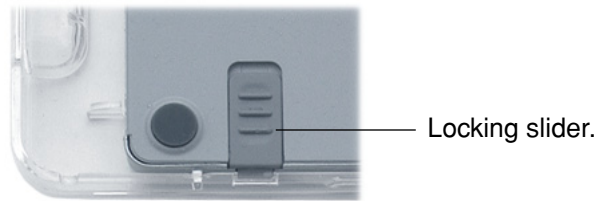
See [customizing the tablet functions](#) for more details on the available settings.



## Customizing the tablet appearance

To customize your tablet's appearance, you can place a favorite photo or design beneath the clear cover by following these instructions:

1. Turn the tablet upside down and slide the four locking sliders toward the middle of the tablet.
2. Lift the tablet away from the clear cover. Then place the photo or design face-down in the clear cover.
3. Place the tablet back into the clear cover. Slide the four locking sliders back to their original positions. You can then turn the tablet face-up.



**Note:** To customize the underlay with a design that covers the entire electronic portion of the tablet, templates are provided in the TEMPLATES folder on the Wacom Pen Tablet Driver CD. Use photo-quality paper for best results, and trim the sheet to size before placing it beneath the clear cover as explained above.



**Important:** Graphire4 is designed for use with the clear cover. Using Graphire4 without the clear cover may negatively affect the pen performance and accuracy, and the pen nib may scratch the paint. Also, you will not be able to see the tablet's status light. Wacom recommends that you always use the tablet with the clear cover in place.

## CUSTOMIZING

After you master the basics of using your Graphire4 pen tablet, you may want to customize the way the pen or cordless mouse works. This chapter describes how to use the Pen Tablet control panel to adjust your Graphire4 tablet and tool settings.

[Opening the control panel](#)

[Control panel overview](#)

[Control panel settings](#)

### Opening the control panel

To open the control panel, use the Graphire4 tool you wish to customize on the tablet:

- **Windows.** Click on the Windows START button and choose ALL PROGRAMS. (For versions other than Windows XP, choose the PROGRAMS group.) Then select TABLET and choose the PEN TABLET PROPERTIES option.
- **Macintosh.** Open SYSTEM PREFERENCES from either the Dock, the Apple menu, or from the APPLICATIONS folder. Then click on the PEN TABLET icon.

After you have opened the Pen Tablet control panel, you can begin customizing Graphire4.

**Note:** When more than one Wacom tablet is installed on a single computer, any changes made in the Pen Tablet control panel will be applied only to the tablet that was last used before opening the control panel.

## Control panel overview

Use the Pen Tablet control panel to customize your Graphire4 pen, mouse, and tablet.

The screenshot shows the 'Pen Tablet' control panel window. It has four tabs: 'Pen', 'Mouse', 'Pop-up Menu', and 'Tablet'. The 'Pen' tab is selected. The window contains several settings: 'Eraser Feel' with a slider from 'Soft' to 'Firm'; 'Double Click' and 'Right Click' dropdown menus; 'Tip Feel' with a slider from 'Soft' to 'Firm'; 'Double Click Distance' with a slider from 'Small' to 'Big'; a 'Click Sound' checkbox; a 'Tracking' section with 'Pen Mode' and 'Mouse Mode' radio buttons and 'Details...' buttons; a 'Default' button; and 'About' and 'Help' buttons at the bottom.

Callouts from the image:

- Points to the tabs: "Tabs display customizable settings for the pen, cordless mouse, Pop-up Menu, or tablet."
- Points to the window's close button: "Closes the control panel."
- Points to the 'Default' button: "Resets the selected tab to its default settings."
- Points to the 'About' button: "Displays information about the control panel and driver."
- Points to the 'Help' button: "Displays this User's Manual."

As you explore the control panel, experiment with different settings to find what works best for you. Any changes you make will take effect immediately, but you can always click DEFAULT to return a tab to the factory settings. See [control panel settings](#) for more information on the features and functions of each tab.

Tool Tips are available for most control panel items. Simply position the screen cursor over an item and let it rest there; in a few moments the Tool Tip will pop up.

Additionally, your keyboard tab and arrow keys can be used to navigate the control panel.

## Control panel settings

Use these sections as a reference when working with the Pen Tablet control panel; they provide detailed information about each tab. Many of the sections also contain useful customizing tips.

- [Customizing the pen](#)
- [Customizing the cordless mouse](#)
- [Tablet tracking](#)
- [Customizing the tablet functions](#)
- [Customizing the Pop-up Menu](#)

## Customizing the pen

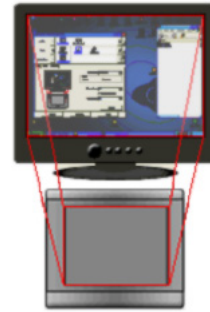
Customizing your Graphire4 pen is easy. First open the Pen Tablet control panel and select the PEN tab to choose from the available options.



[Adjusting eraser feel](#)

[Customizing the side switches](#)

[Adjusting tip feel and double-click](#)



[Tablet tracking](#)

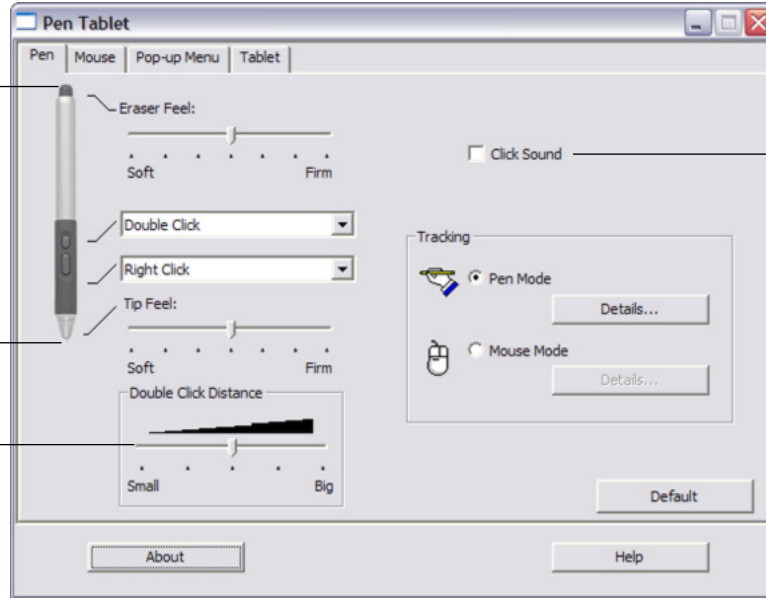
## Adjusting tip feel, eraser feel, and double-click

To adjust the tip or eraser sensitivity of your Graphire4 pen, select the PEN tab. To create broad brush strokes or to click with a light touch, use a soft tip setting. For maximum control while drawing thin lines, use a firm tip setting. To erase with a broad stroke or to click with a light touch, use a soft eraser setting. For maximum control while erasing, use a firm eraser setting.

Customizes the amount of pressure needed to erase. Drag the slider to a softer or firmer setting.

Customizes the amount of pressure needed to click or draw. Drag the slider to a softer or firmer setting.

Adjusts the size of the double-click area and the double-click speed. A larger setting makes double-clicking easier.



When checked, an audible “click” sound will be heard whenever a pen click occurs and your computer speakers are turned on.

### Hints:

- Use a soft TIP FEEL for a wider range of pressure values with most pressure-sensitive applications.
- In some applications, a soft pressure setting can make the pen overreact – any small press on the pen is magnified on the screen. If you experience this, try a firmer TIP FEEL setting.
- Double-clicking: To make double-clicking easier, expand the tap area that accepts a double-click (the double-click distance).

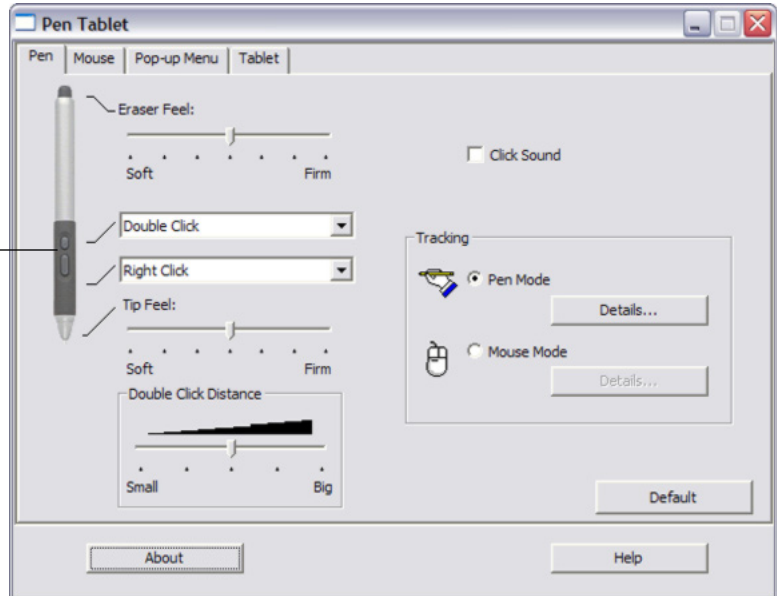
**Note:** A large double-click distance may cause a delay at the beginning of your brushstrokes in some drawing applications. If you notice such effects, try setting a smaller double-click distance and using a side switch to double-click (see [using the side switches](#)). You can also set one of the ExpressKeys to double-click.

## Customizing the side switches

Select the PEN tab to change the functions assigned to the side switches on your Graphire4 pen. Each side switch can be set to simulate a variety of mouse functions; the pull-down menus enable you to choose the function that will be performed.

Select the [function](#) to perform when pressing the upper or lower side switch. When you bring the pen tip within 5 mm (0.20 inch) of the tablet surface without touching the tablet and press the upper or lower side switch, the selected function occurs.

**Hint:** To make double-clicking easier, set a side switch to double-click automatically by selecting DOUBLE CLICK.



## Button functions

The following list describes the options available for tool button, tablet ExpressKeys, or Pop-up Menu settings. Please note that not all options are available for all controls.

**CLICK.** Default setting for the pen tip. This option simulates a primary mouse button click.

**DOUBLE CLICK.** Simulates a double-click. For easier double-clicking, use this function instead of tapping twice with the tip of your pen.

**MIDDLE CLICK.** Simulates a middle mouse button click.

**RIGHT CLICK.** Simulates a right mouse button click, which displays a context menu.

**CLICK LOCK.** Simulates holding down the primary mouse button. Press the tool button once to initiate click lock. Press the button again to release click lock. Click lock is useful for dragging objects or selecting blocks of text.

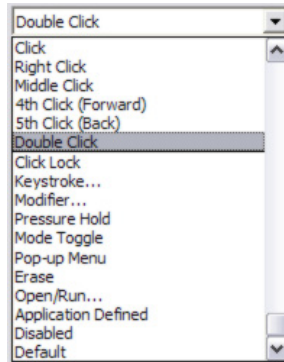
**4TH CLICK (FORWARD).** Simulates a 4th mouse button click, which on Windows systems typically issues the FORWARD command in browser applications.

**5TH CLICK (BACK).** Simulates a 5th mouse button click, which typically issues the BACK command in browser applications.

**APPLICATION DEFINED.** (Windows systems and Graphire4 cordless mouse only.) Reports only the button number to the application. This is for applications, such as CAD programs, that have built-in support for the Graphire4 cordless mouse.

**DEFAULT.** Returns a button to its default setting.

**DISABLED.** Disables the button function.



**ERASE.** (Pen only.) Sets a button so that when the button is pressed, the pen tip will act like the eraser in applications that support the ERASE function. See [erasing](#) for information on using the eraser.

**INK TOGGLE.** (Macintosh.) Toggles the Ink ANYWHERE function of Inkwell on and off. Inkwell automatically recognizes and converts your handwriting into text and inserts it into a document. Note that Ink must be turned on for this function to work. See your Macintosh help for information on working with Inkwell.

**KEYSTROKES....** Enables you to simulate keystrokes.

**MODE TOGGLE....** Toggles between PEN MODE and MOUSE MODE. See [setting mouse speed](#) for details.

**MODIFIER....** Enables you to simulate modifier keys.

**OPEN/RUN....** Opens an application, file, or script.

**POP-UP MENU.** Displays a Pop-up Menu on your screen. See [customizing the Pop-up Menu](#) for more information.

**PRESSURE HOLD.** Locks the pressure at the current pressure level until the button is released. For example, you can paint with pressure-sensitivity until you reach the brush size that you like. You can then press the button and continue painting with the same size brush until the button is released.



- **KEYSTROKES....** Enables you to simulate keystrokes. Selecting this option displays the DEFINE KEYSTROKE dialog box where you can enter a keystroke or keystroke sequence to play back.

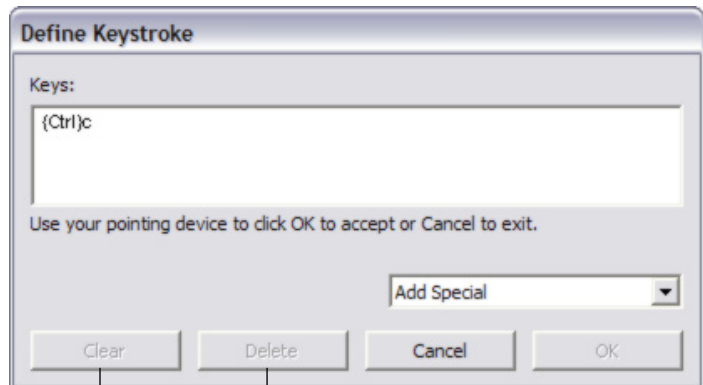
You can manually enter a keystroke or keystroke combination in the KEYS entry box. Keystroke combinations can include letters, numbers, function keys (such as F3) and modifier keys (such as SHIFT, ALT, or CTRL for Windows, or SHIFT, OPTION, COMMAND, and CONTROL for Macintosh).

You can also select special keystrokes or keystroke combinations from the ADD SPECIAL drop-down menu. When you make a selection it is added to the KEYS entry box.

After defining a keystroke sequence, click OK.

**Important:** Because the ENTER (Windows) and RETURN (Macintosh) keys can be selected as a defined keystroke, they cannot be used to select OK. You must use your Graphire4 tool to click on the OK button.

If prompted, enter a name for the keystroke definition. The name will be displayed with the respective control or in the Pop-up Menu list, as applicable.



Clears the keystroke entry box.

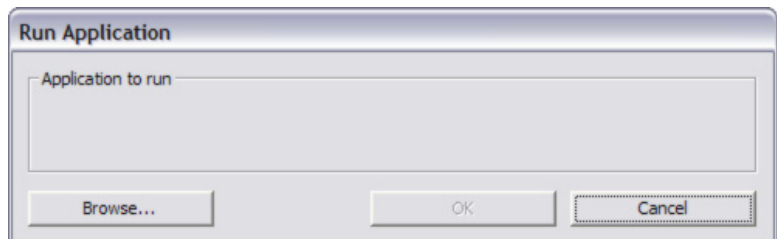
Deletes only the last entry in the keystroke entry box.

- **OPEN/RUN....** Opens a dialog box where you can select a specific application, file, or script to launch.

Click BROWSE... to locate an application, file, or script to launch. The selection you make appears in the APPLICATION TO RUN box.

Click OK to accept the selection. The dialog box will close and the OPEN/RUN... option will be assigned as your tool button option. If your selection is for the Pop-up Menu, it will be displayed in the Pop-up Menu list.

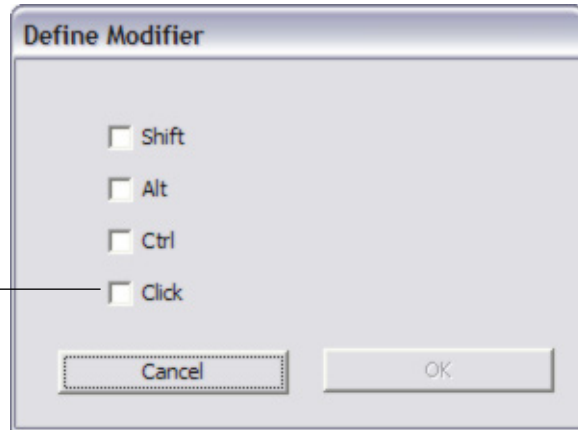
The next time you press the tool button or make a selection from the Pop-up Menu, the defined application, file, or script will launch.





- **MODIFIER....** Enables you to assign modifier key(s) (such as SHIFT, ALT, or CTRL for Windows, or SHIFT, OPTION, COMMAND, and CONTROL for Macintosh). Many applications use modifier keys to constrain the size or placement of objects. Selecting this option displays the DEFINE MODIFIER dialog box where you can assign one or more modifier key functions. After choosing the modifier function(s), click OK.

In addition to choosing one or more modifier key options, you can select the CLICK box if you want a mouse click to occur whenever you press the tool button.



### Customizing the cordless mouse

Customizing your Graphire4 cordless mouse is easy. First open the Pen Tablet control panel and select the MOUSE tab to choose from the available options.



[Customizing mouse buttons](#)



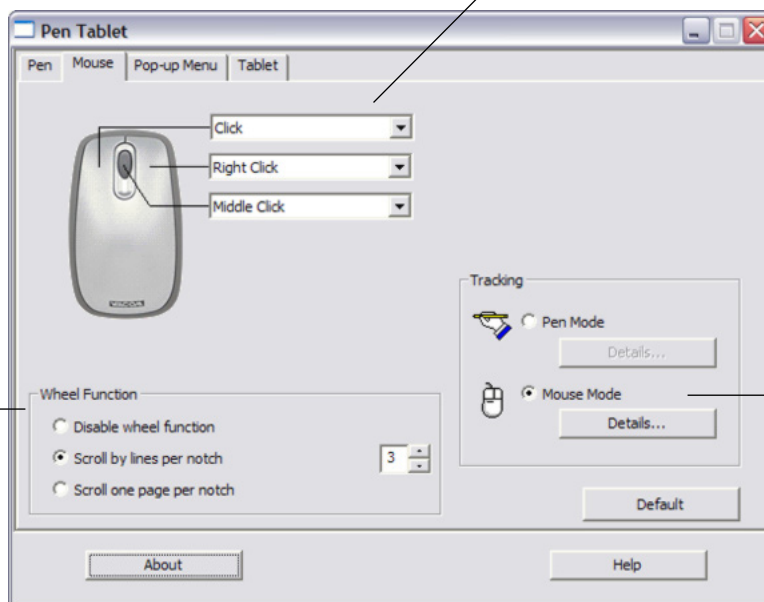
[Mouse mode settings](#)

## Customizing mouse buttons

To modify your Graphire4 cordless mouse button settings, use your mouse to open the Pen Tablet control panel and select a function to perform for each button from the pull-down menus. See [button functions](#) for a description of the available options. The cordless mouse buttons are chordable; you can press two or more buttons simultaneously. For example, if you set one button to simulate the CTRL key and another to simulate an ALT keystroke, when you press both buttons a CTRL+ALT is simulated.

Select the function to perform when pressing a button.

By default, the fingerwheel controls scrolling in most windows and applications. Use these options to customize the fingerwheel function. You can disable the fingerwheel function, set the fingerwheel to scroll a selected number of lines (one to 15) for each notch of wheel movement, or set the fingerwheel to scroll one page for each notch of wheel movement.



The TRACKING mode you select controls how the screen cursor moves.

In MOUSE MODE, the screen cursor moves with relative positioning. This is the default TRACKING mode for the cordless mouse.

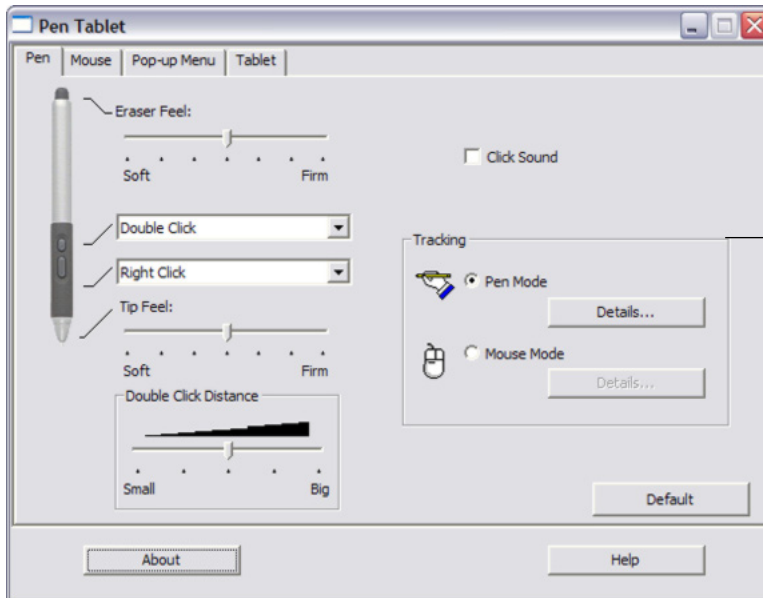
Click DETAILS... for [setting mouse speed](#).

### Notes:

- The MOUSE tab will not display until you have used a cordless mouse on the tablet.
- To configure the cordless mouse for left-handed use, simply reassign the button functions as needed.
- You can switch between PEN MODE and MOUSE MODE by using the screen Pop-up Menu. See [customizing the Pop-up Menu](#) for more information. If you frequently switch between PEN MODE and MOUSE MODE, you can assign the MODE TOGGLE... function to one of your tool buttons.

## Tablet tracking

The tablet TRACKING options enable you to define the relationship between pen (or cordless mouse) movement on the tablet surface and cursor movement on the monitor screen. By default the entire active area of the tablet maps to the entire monitor. If more than one monitor is in use the tablet will map to all monitors. See [mapping to multiple monitors](#).



The TRACKING mode you select controls how the screen cursor moves:

- Select PEN MODE to set the cursor so that its movement corresponds with the position of your Graphire4 tool on the tablet – wherever you place your tool on the tablet, the cursor will jump to a corresponding point on the screen. This is known as absolute positioning, and is the default setting for the Graphire4 pen. Click DETAILS... to customize the [tablet mapping](#).
- Select MOUSE MODE to move the screen cursor with a “pick up and slide” motion similar to using a traditional mouse. This is the default setting for the cordless mouse. Click DETAILS... for [setting mouse speed](#).

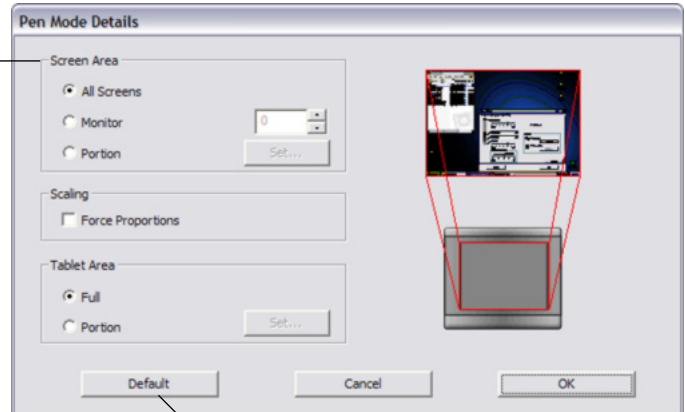
**Note:** If you frequently switch between PEN MODE and MOUSE MODE, you can assign the MODE TOGGLE... function to one of your tool buttons.



When you click on the PEN MODE DETAILS... button, the PEN MODE DETAILS dialog box is displayed.

Use the SCREEN AREA options to select a screen area for tablet to screen mapping.

- ALL SCREENS. The entire monitor(s) area is mapped; this is the default setting. See [mapping to multiple monitors](#) for more information.
- MONITOR. The entire area of a single monitor that you choose is mapped.
- PORTION. A portion of the desktop area is mapped. Click SET... to open a dialog box where you can set the [portion of screen area](#).



Returns settings to their factory defaults.

### Mapping to multiple monitors

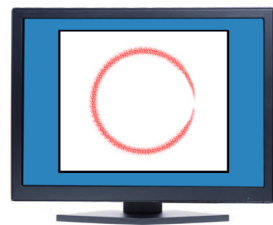
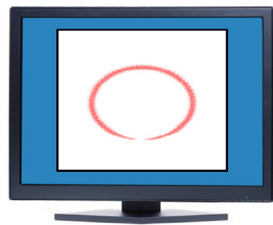
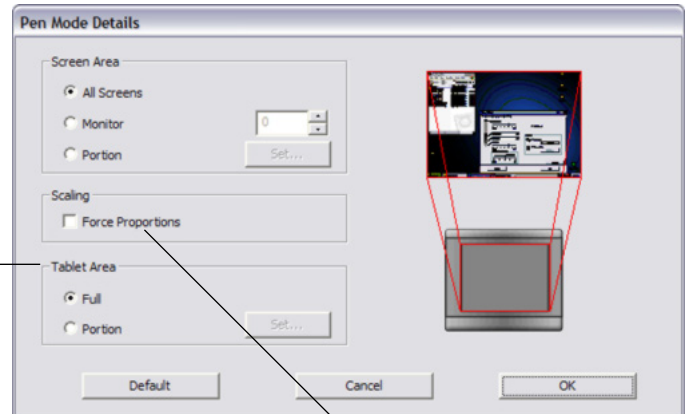
If your computer has more than one monitor, Graphire4 will map to your monitors based upon how they are configured in the DISPLAY PROPERTIES control panel. If ALL SCREENS is selected and you are in extended monitor mode, the tablet will map to all monitors as if they were one large display. If the monitors are in mirror mode, the tablet will map to the entire space on each monitor and the screen cursor will be displayed on each monitor simultaneously.

Please refer to your hardware and operating system documentation for details on configuring your computer and operating system for use with multiple monitors.



Use the TABLET AREA options to select a tablet area for tablet to screen mapping.

- FULL. The entire active area of the tablet is mapped. This is the default setting.
- PORTION. A portion of the tablet area is mapped. Click SET... to open a dialog box where you can set the portion of tablet area.



FORCE PROPORTIONS. Check or uncheck the box to determine the tablet to screen mapping relationship.

- When unchecked, the correct scale or proportions are not maintained. The selected tablet area is mapped to the selected display area. Drawing a circle on the tablet may create an ellipse on the display screen. This is the default setting.
- When checked, the correct vertical and horizontal proportions are maintained between the tablet and display. Drawing a circle on the tablet results in a circle on the display screen. Depending on your settings, some portions of the tablet active area may no longer be usable when this option is selected.

## Portion of screen area

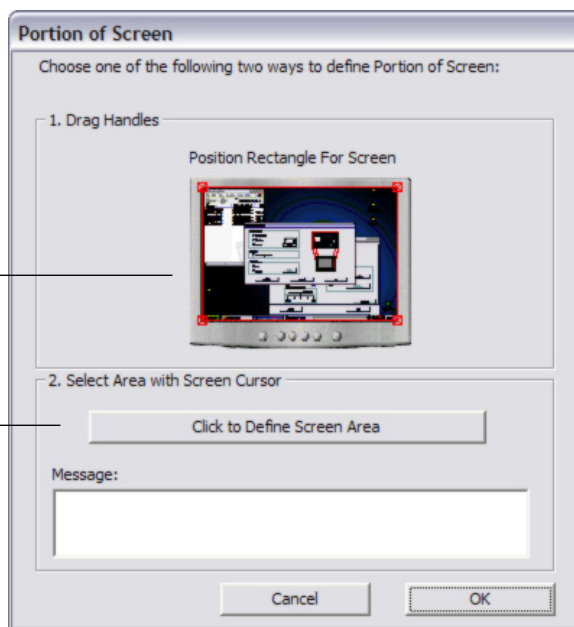
The tracking options in the PEN MODE DETAILS dialog box allow you to define which portion of the display screen your tablet will map to:

- **ALL SCREENS.** When selected, the entire monitor(s) area is mapped. This is the default setting. See [mapping to multiple monitors](#) for more information.
- **MONITOR.** When selected, the entire area of a single monitor that you choose is mapped.
- **PORZION.** When selected, this option allows you to select a portion of the display for tablet to screen mapping. Click SET... to open the PORTION OF SCREEN dialog box.

Choose a method for defining a portion of the display:

- Drag corners of the foreground graphic to select the screen area. The background graphic represents the entire screen area.
- Move the screen cursor to select the screen area. Select the **CLICK TO DEFINE SCREEN AREA** button. As you define **PORZION OF SCREEN**, follow any **MESSAGE** prompts to set the portion of your display screen that will be used for mapping.

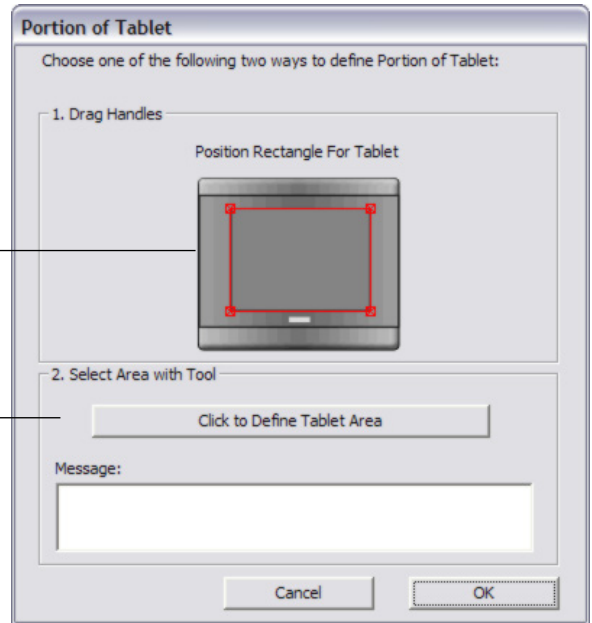
After defining a portion of the screen, you may need to use a different input device to access other portions of the screen area.



### Portion of tablet area

The tracking options in the PEN MODE DETAILS dialog box allow you to define the tablet area that will be mapped to the screen area:

- **FULL.** When selected, the entire active area of the tablet is used for tablet to display mapping. This is the default setting.
- **PORTION.** When selected, this option allows you to select a portion of the tablet active area for tablet to screen mapping. Click SET... to open the PORTION OF TABLET dialog box.

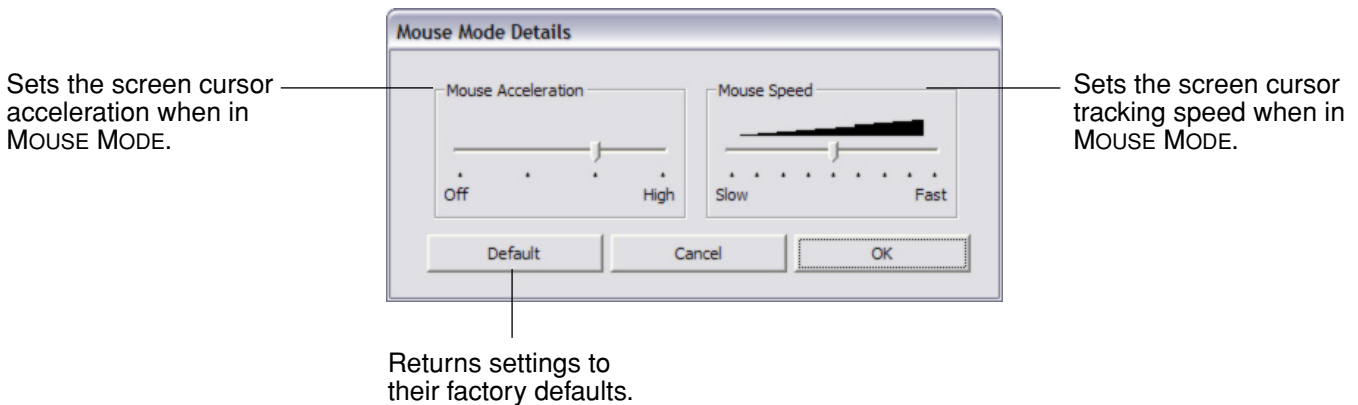


Choose a method for defining a portion of the tablet:

- Drag corners of the foreground graphic to select the tablet area that will be mapped to your selected screen area. The background graphic represents the tablet.
- Use your tool on the tablet to select the tablet area. Select the CLICK TO DEFINE TABLET AREA button. As you define PORTION OF TABLET, follow any MESSAGE prompts to set the portion of your tablet that will be used for mapping.

### Setting mouse speed

To change the screen cursor acceleration and speed when in MOUSE MODE, click on the MOUSE MODE DETAILS... button (located on the PEN or MOUSE tabs) to display a dialog box where you can make your adjustments.



**Note:** The dialog box will also appear when you first set a tool button to MODE TOGGLE.... Although MOUSE MODE settings can be accessed from a number of different locations within the control panel, only one ACCELERATION and SPEED setting can be made for each input tool that you are customizing.

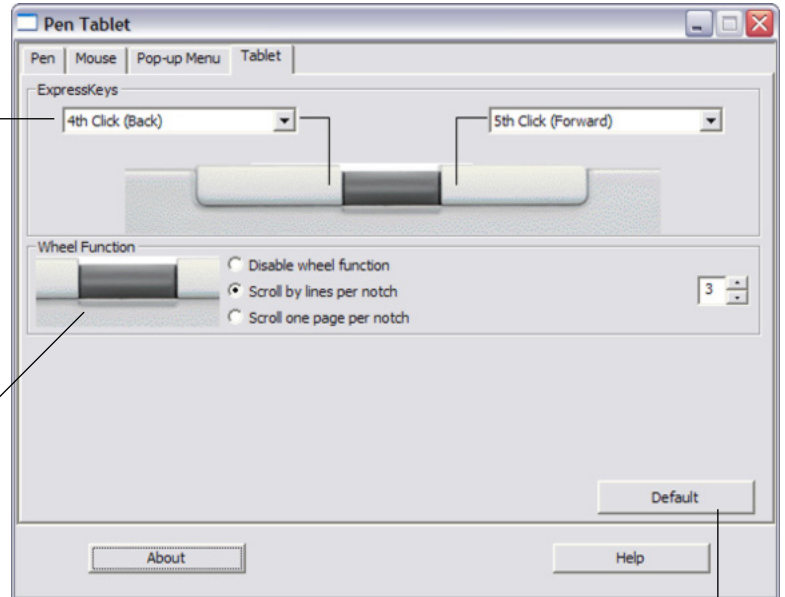
## Customizing the tablet functions

The TABLET tab is used to customize the ExpressKeys and tablet wheel.

The ExpressKeys can be customized to perform a modifier, keystroke, or other function. By default, you can use them to move FORWARD and BACK in Internet browsers.

Use the pull-down menus to choose a [function](#) that will be performed when the key is pressed.

Your choice will be displayed either within the pull-down menu or beneath the menu.



By default, the tablet wheel controls scrolling in most windows and applications. You can disable the wheel function, set the wheel to scroll a selected number of lines (one to 15) for each notch of wheel movement, or set the wheel to scroll one page for each notch of wheel movement.

Returns the tab settings to their factory default conditions.

**Hint:** Consider setting an ExpressKey to the CTRL function. In MS Office applications that support the scrolling function you can then press the customized ExpressKey and move the tablet wheel to zoom in and out.



## Customizing the Pop-up Menu

Use the POP-UP MENU tab to define the available functions on the Pop-up Menu list.

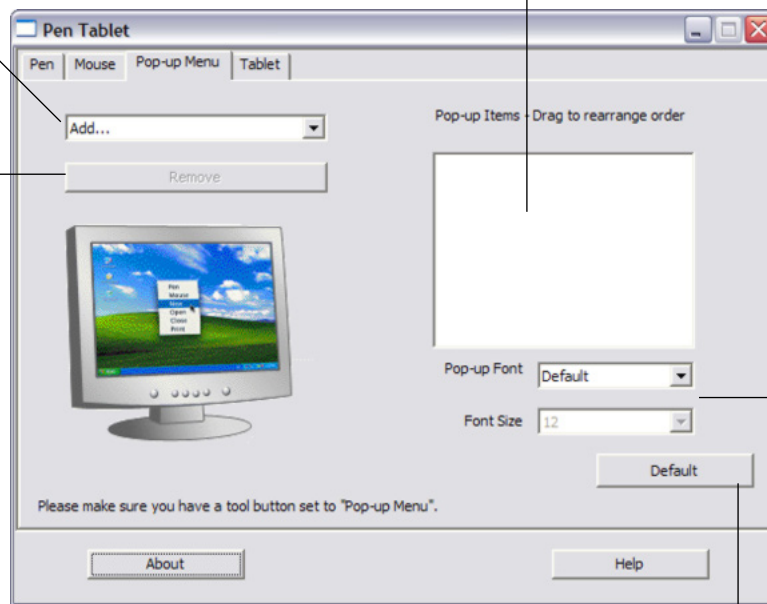
To display the Pop-up Menu, set one of your tool buttons to the POP-UP MENU function. Whenever you press that button, the Pop-up Menu is displayed. Select from available items in the Pop-up Menu by clicking on them. To close the Pop-up Menu without making a selection, click outside of the Pop-up Menu.

Displays a list of functions that have been added to the Pop-up Menu. To change the order of an item, drag it to a new location. Double-click on an item to make edits.

**Note:** PEN places your tool in PEN MODE. MOUSE places your tool in MOUSE MODE. When adding MOUSE mode to the Pop-up Menu list, the MOUSE MODE DETAILS dialog box is displayed where you can adjust the mouse acceleration and speed.

Select a [button function](#) to add to the Pop-up Menu list.

Removes the selected item from the list.



Menu options enable you to change the appearance (FONT SIZE and POP-UP FONT) of the Pop-up Menu.

Returns all tab settings to their default values.

**Important:** This action will delete all Pop-up Menu items that have been defined.

## TROUBLESHOOTING

Most of the time your tablet will work flawlessly. But if you are having trouble, Wacom recommends you do the following:

1. If the Wacom tablet driver failed to load properly, first perform the recommended action in any error message that may appear on your screen. If that does not solve the problem, refer to the troubleshooting procedures in this chapter.
2. Look in the [troubleshooting tables](#). Your problem may be described there and you can try the solution offered.
3. Open the Wacom tablet Read Me file for late-breaking information.
4. Test your tablet and input tools. See [testing your tablet](#) and [testing your tools](#).
5. If you are having a compatibility conflict between Graphire4 and a new hardware or software product, check if a newer Wacom tablet software driver is available. See [obtaining driver downloads](#) for information on downloading an updated software driver. Wacom periodically updates the software driver to maintain compatibility with new products.
6. Check the FAQs (Frequently Asked Questions) on the Wacom web site for your region.
7. If you have tried the suggestions in this manual and still cannot resolve the problem, then contact Wacom for Technical Support. See [technical support options](#) and the Read Me file for information on where to obtain support for your region.

[Testing your tablet](#)

[Testing your tools](#)

[Troubleshooting tables](#)

[Technical support options](#)

[Obtaining driver downloads](#)

## Testing your tablet

1. Turn on your computer and wait until the system has fully loaded.
2. **Check the connection.** The tablet status LED should glow whenever the tablet is properly connected and your computer has registered it as a USB device. If not:
  - Make sure the tablet USB cable is securely connected to an active USB port on your computer.
  - If you are connecting the tablet to a USB hub (or hub device such as a keyboard with USB ports), be sure the USB hub is properly connected to your computer and is active.
  - Connect the tablet to a different USB port or try connecting to the USB port on another computer.If the tablet status LED does not illuminate after your computer is on and has finished booting up, your USB port may be disabled. Verify that you have connected the tablet to an active USB port.

## Testing your tools

If your tool does not work as you expect, it is a good idea to first check the assigned functions or to reset the tool to its default condition using the Pen Tablet control panel.

1. **Check the pen.**
  - Move your pen across the active area of the tablet; the screen cursor should move in the corresponding direction on your monitor or display screen.
  - Press the pen tip against the surface of the tablet. The tablet status LED should turn from blue to green.
  - Next, without applying pressure to the pen tip, hold the pen tip within approximately 5 mm (0.20 inch) above the tablet surface and press the upper side switch. The status LED should again change from blue to green. Repeat this for the lower side switch.
  - Turn the pen over and press the eraser against the surface of the tablet; the status LED should change from blue to green.
  - If not, you may have a defective pen or tablet. See [technical support options](#).
2. **Check the cordless mouse.**
  - Move the cordless mouse across the active area of the tablet; the screen cursor should move in the corresponding direction on your monitor.
  - Test the buttons on your cordless mouse by clicking each button. The tablet status LED should turn green when a button is pressed.
  - If not, you may have a defective cordless mouse or tablet. See [technical support options](#).

## Troubleshooting tables

If you encounter problems with your Graphire4 tools or tablet, refer to the following tables. Your problem may be described here, and you can try the solution offered. Be sure you refer to the Read Me file for the latest information updates.

For additional information, visit Wacom's web site at <http://www.wacom.com/productsupport> and follow the links to the FAQs.

[General problems](#)

[Windows-specific problems](#)

[Macintosh-specific problems](#)

### General problems

The computer does not have an available USB port.	Check if there is an available USB port on a USB hub device. If none are available you will need to add a USB hub.
The tablet status LED is off.	Verify that your tablet's USB cable is properly connected to an active USB port. If you are connecting to a USB hub device, make sure the hub is connected to an active USB port and that the hub is active.
The pen works only in MOUSE MODE, and does not draw with pressure-sensitivity.	The tablet driver software was not installed or did not load properly. Make sure the tablet driver software is installed and functioning. Insert the Wacom Pen Tablet Driver CD into your computer and install the driver software for the tablet.
The pen does not draw with pressure-sensitivity.	Some applications require that you turn on the pressure capabilities within the application or the selected tool before the pen will respond as a pressure-sensitive tool.
Clicking is difficult.	Try using a lighter Tip Feel (see <a href="#">adjusting tip feel, eraser feel, and double-click</a> ). Select the CLICK SOUND option (the check box should be checked) so that you can hear when the pen registers a mouse click. Your computer speakers must be turned on and the volume audible before you can hear CLICK SOUND.



Double-clicking is difficult.

Be sure you are quickly tapping the tablet twice in the same place on the tablet active area.

Using a side switch to double-click is recommended (review the techniques in [clicking](#)).

Set one of the tablet ExpressKeys to DOUBLE CLICK and use it to issue double-clicks.

See [adjusting tip feel, eraser feel, and double-click](#):

- Try increasing the DOUBLE-CLICK DISTANCE.
- Try using a lighter TIP FEEL.

**Windows:** Try setting your system to launch programs with a single click. See [clicking](#).

The pen selects everything, will not stop drawing.

Open the Pen Tablet control panel and go to the PEN tab. Move the TIP FEEL slider toward FIRM. If this does not help, see [testing your tablet](#).

The eraser selects everything or will not stop erasing.

Open the Pen Tablet control panel and go to the PEN tab. Move the ERASER FEEL slider toward FIRM. If this does not help, see [testing your tablet](#).

You notice a screen delay at the beginning of pen strokes.

Try decreasing the DOUBLE-CLICK DISTANCE (see [adjusting tip feel, eraser feel, and double-click](#)).

You have to press hard with the pen when clicking or drawing.

Open the Pen Tablet control panel and go to the Pen tab. Move the TIP FEEL slider toward SOFT.

The pen tip does not function.

Make sure the tablet status LED changes from blue to green when the pen tip is pressed to the tablet surface. If it does not, you may have defective hardware (see [testing your tablet](#)).

The upper or lower side switch does not work.

Be sure you press the side switch when the pen tip is within 5 mm (0.20 inch) of the tablet active area – do this without pressing down on the pen tip.

From the Pen Tablet control panel, verify that the side switch is set to the function you are expecting to occur.

Make sure the tablet status LED changes from blue to green when you press the side switch. If it does not, you may have defective hardware (see [testing your tablet](#)).

The screen cursor jumps back.

Do not place the pen or cordless mouse on the tablet when they are not in use, or when you are using another pointing device. Leaving your tool on the tablet may interfere with screen cursor positioning when using other input devices.



Cannot move the cursor where you want to on the screen, or the line you are drawing does not line up with the location of the pointer in paint applications.

Open the Pen Tablet control panel. Verify that PEN MODE is selected. If this does not help, click on the DEFAULT button to reestablish the default tablet to screen mapping. If you are still having difficulty, remove the tablet preferences (see next tip).

You suspect the tablet preferences may be corrupted, or want to make certain that all settings are at their factory defaults.

Delete the tablet preferences as follows:

**Windows:** Do a Search or Find for the TABLET.DAT file and delete it. The file should be in your Windows\System or Windows\System32 folder. Then restart your computer. When the tablet driver loads it will create a new preferences file with the factory default settings.

**Macintosh:** For a single user, delete the tablet preferences by first choosing your HOME folder from the GO menu. Then open your home LIBRARY folder. Within your home LIBRARY folder, open the PREFERENCES folder and delete the COM.WACOM.TABLETPREFERENCES file. Log out, then log back in. When the tablet driver loads it will create a new preferences file with the factory defaults.

For multiple users, delete all tablet preferences by first opening the main APPLICATIONS folder. Then open the TABLET folder and run the REMOVETABLET utility. When the utility starts, click on the REMOVE ALL PREFERENCE FILES button. Log out, then log back in. When the tablet driver loads, it will create new preferences files with the factory defaults.

**Note:** Do not manually remove the WACOM TABLET.PREFPANE file from the main LIBRARY PREFERENCEPANES folder. This file is only to be removed when uninstalling the tablet software driver, and then only when using the REMOVETABLET utility.

The computer does not go to sleep.

When you are not using the pen or cordless mouse, remove them from the tablet surface or the tablet will continue to send data, keeping the computer awake.

When using the tablet the screen cursor is very erratic or jumps around.

On rare occasions the tablet may receive interfering radio frequencies from a computer monitor or nearby AM radio station. If you notice interference from a monitor, try moving the tablet at least six (6) inches away from the monitor, or change the monitor refresh rate or monitor resolution.

## Windows-specific problems

**Windows 98 or Me.**

Your Graphire4 tools do not function inside a full screen DOS window.

You must use a traditional mouse when working in a full screen DOS window.

After pressing CTRL+ALT+DEL, the screen cursor cannot be controlled with your Graphire4 tool.

When the CLOSE PROGRAM dialog box (Windows 98 or Me) is active, the tablet will not work. Use your traditional mouse or keyboard to continue. When this dialog box is closed, you can again use your Graphire4 tool to control the screen cursor.

After changing right- and left-handed settings in the system's Mouse control panel, the pen tip no longer functions properly and the cordless mouse button functions are reversed.

This will reverse the right and left button settings on your Wacom tools. Restart Windows for your Wacom tool settings to be correctly recognized.

**Windows XP.** After installing the tablet on a system with multiple users, the tablet only works on the primary user desktop.

Reboot the system after installing the tablet on a system with multiple users.

**Windows 98.** The tablet does not install properly.

Save your work and close all open applications before installing your tablet.

Plug the USB tablet cable into an active USB port or USB hub. The tablet will automatically register as a USB device and the LED will light.

The ADD NEW HARDWARE WIZARD will display. Follow the prompts, selecting the default options. If prompted to install drivers for the USB Human Interface Device, insert the Windows 98 CD, click OK, and enter the location of the Windows CAB files (e.g., D:\WIN98).

**Note:** The files may be located on your hard disk in the C:\WINDOWS\OPTIONS\CABS folder.

After the ADD NEW HARDWARE WIZARD has finished, eject the Windows 98 CD, insert the Wacom Pen Tablet Driver CD, and select CONTINUE.

## Macintosh-specific problems

At startup, a dialog box appears telling you that either the driver failed to load or the tablet preferences have not yet been created.

The tablet was not detected at startup. Make sure the USB interface cable is securely connected and that the status LED on the tablet is blue. If your tablet is plugged into a USB hub, make sure the hub is connected and active.

From the GO menu, select APPLICATIONS and open the UTILITIES folder. Launch the SYSTEM PROFILER and select the DEVICES AND VOLUMES tab. A USB tablet should be displayed by the profiler. If a USB tablet was not found, check the USB tablet cable connection or try plugging the tablet into a different USB port.

If you are still having problems, open the OS X Disk Utility application and run REPAIR DISK PERMISSIONS from the FIRST AID tab. If this does not help, contact Wacom for Technical Support. See [technical support options](#).

Inkwell does not work correctly with the tablet.

There may be a problem with the Inkwell preferences. Remove the damaged preference files as follows. They will be recreated when you enable handwriting recognition.

1. From the Apple menu, choose SYSTEM PREFERENCES, SHOW ALL, and INK. Then turn off handwriting recognition.
2. From the GO menu, choose your HOME. Open the LIBRARY and PREFERENCES folders. Then remove the following preferences:
  - com.apple.ink.framework.plist
  - com.apple.ink.inkpad.plist
  - com.apple.ink.inkpad.sketch
3. Go back to SYSTEM PREFERENCES and INK, and then enable handwriting recognition.
4. Test the Inkwell function using your Wacom tablet and pen.
5. If this procedure does not resolve your problem with Inkwell, contact Apple Support for further assistance. Wacom is not the software manufacturer for Inkwell and we are limited in our abilities to support a third party software application.



## Technical support options

If you have a problem with your Wacom tablet, first check the tablet installation guide to be sure the unit is installed correctly. Then review the [troubleshooting](#) procedures within this manual; your problem may be described there and you can try the solution(s) offered.

If you cannot find the answer in this manual, you may find updated information about your problem in the Read Me file for your platform (located on the Wacom Pen Tablet Driver CD). You can also check the product FAQs (Frequently Asked Questions) on the Wacom web site for your region.

If you cannot solve the problem and you think your Wacom tablet is not working properly, contact the Wacom support staff for the area where your product was purchased. See the Wacom tablet Read Me file, located on the Wacom Pen Tablet Driver CD, for contact information. If you have an Internet connection you can download the latest software drivers from the Wacom web site for your region. See [obtaining driver downloads](#) for your region.

When you call, you should be at your computer with the following information available:

- This manual.
- Tablet serial and model number. (Look on the bottom of the tablet.)
- Driver version number. (See the Wacom Pen Tablet Driver CD or the Pen Tablet control panel.)
- The make and model of your computer, and operating system version number.
- A list of peripheral devices attached to your computer.
- The software application and version you were using when the problem occurred.
- The exact wording of any error message that appeared on your screen.
- What happened and what you were doing when the problem occurred.
- How you tried to solve the problem.

## Obtaining driver downloads

Wacom periodically updates the tablet software driver to maintain compatibility with new products. If you are having a compatibility problem between Graphire4 and a new hardware or software product, it may be helpful to download a new Wacom tablet software driver (when available) from the Internet.

### USA, Canada, Central and South America

Worldwide Web: <http://www.wacom.com/productsupport> Software updates.

### Europe, Middle East and Africa

Worldwide Web: <http://www.wacom-europe.com> Software updates.

Anonymous FTP Site: <ftp://ftp.wacom-europe.com/pub/> Software updates.

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### Japan

Worldwide Web: <http://tablet.wacom.co.jp> Software updates. (Japanese)

### Asia Pacific (English)

Worldwide Web: <http://www.wacom.com/ap> Software updates. (English)

### China

Worldwide Web: <http://www.wacom.com.cn> Software updates.  
(Simplified Chinese)

## APPENDIX

This section contains information and tips on caring for your tablet and tools, instructions on how to uninstall the tablet software, your license and warranty, and more.

[Caring for your tablet and tools](#)

[Uninstalling the tablet software](#)

[Product specifications](#)

[Product information](#)

[Ordering parts and accessories](#)

[Radio and television interference](#)

[License and Warranties \(Worldwide, Except for Europe, Africa and Middle East\)](#)

[License and Warranty \(Europe, Africa and Middle East\)](#)

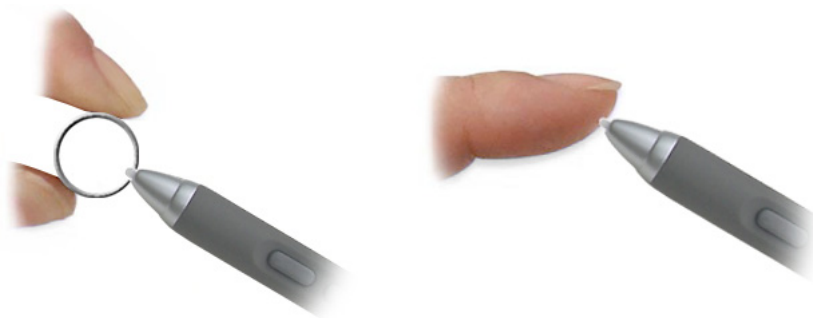
## Caring for your tablet and tools

Keep your Graphire4 tools and tablet surface clean. Dust and dirt particles can stick to your tools and cause excessive wear to the tablet surface. Regular cleaning with a soft, damp cloth will help prolong the life of your tablet surface and tools; you can also dampen the cloth using a very mild soap diluted with water. Do *not* use volatile liquids, such as paint thinner or benzene, as they may damage the plastic case.

Keep your tablet and tools in a clean, dry place and avoid extremes in temperature. Room temperature is best. Also, your Graphire4 tools and tablet are not made to come apart. Twisting the pen case can break the pen. Taking apart the product will void your warranty.

## Replacing the pen tip

The pen tip (nib) will wear with normal use. When the nib gets too short or develops a flat point, you can replace it with another nib. Simply clasp the old nib with a tweezer, needle-nosed plier, or similar instrument and pull it straight out of the pen. Then slide the end of the new nib straight into the barrel of the pen – firmly push the nib until it stops.



**Important:** When the Graphire4 pen is not in use, place it in the pen storage compartment, the pen stand, or lay it flat on your desk. To maintain the sensitivity of your pen, do not store the pen in a container where it will rest on the tip or eraser.

To order replacement parts, see [ordering parts and accessories](#).

## Uninstalling the tablet software

Follow the appropriate procedure below to remove the Wacom tablet driver software from your system.

**Important:** When you remove the Wacom tablet software from your system, your Wacom tablet will no longer operate with full tablet functionality but will continue to function as a mouse device.

**Windows XP:** Click START. In the start menu, select CONTROL PANEL. Then select ADD OR REMOVE PROGRAMS. In the ADD OR REMOVE PROGRAMS window, choose TABLET and click on the CHANGE OR REMOVE PROGRAMS button. Follow the prompts to remove the tablet driver.

**Windows 2000, 98, or Me:** Click the Windows START button. Then choose SETTINGS and CONTROL PANEL. In the CONTROL PANEL window, double-click on the ADD/REMOVE PROGRAMS icon. In the dialog box that appears, choose the TABLET option. Click on the ADD/REMOVE... button and follow the prompts to remove the tablet driver.

### Macintosh:

From the FINDER, choose APPLICATIONS from the GO menu and open the TABLET folder. Double-click on the REMOVE TABLET icon and select the REMOVE TABLET SOFTWARE button. After the removal is completed, click OK.

## Product specifications

### General specifications for all Graphire4 pen tablets

Coordinate resolution	80 lpmm (2032 lpi)
Accuracy, pen	+/- 0.5 mm (0.02 in)
Reading height with pen, average	5 mm (0.20 in)
Maximum report rate	100 points per second
Tablet ExpressKeys stroke	0.5 mm (0.02 in), approximately
Tablet wheel type	Continuous rotation, 12 notches per revolution
Communication interface	USB
Connector	USB A
Power requirements	DC 5V, 40 mA or less, from USB port
Operating temperature	5 to 40 degrees C (41 to 104 degrees F)
Storage temperature	-10 to +60 degrees C (14 to 140 degrees F)
Operating relative humidity	20% to 80% noncondensing
Storage relative humidity	20% to 90% noncondensing
Certifications and compliance	FCC Class B, CE, VCCI Class B, BSMI, C-Tick, Korean EMI

## Graphire4 4x5 / A6 tablet (model CTE-440)

Active area (W x D)	127.6 x 92.8 mm (5.02 x 3.65 in)
Physical size (W x D x H)	208 x 203.8 x 17.8 mm (8.20 x 8.03 x 0.70 in), including rubber feet
Cable length	1.5 m (4.95 ft)
Weight	0.5 kg (1.1 lb), approximately
Power consumption	0.2 watts, approximately

## Graphire4 6x8 / A5 tablet (model CTE-640)

Active area (W x D)	208.8 x 150.8 mm (8.22 x 5.94 in)
Physical size (W x D x H)	278 x 263.8 x 18.0 mm (10.95 x 10.39 x 0.71 in), including rubber feet
Cable length	1.5 m (4.95 ft)
Weight	0.86 kg (1.9 lb), approximately
Power consumption	0.2 watts, approximately

## Graphire4 pen (model EP-140E)

Physical size (L x D)	137.8 x 12 mm (5.43 x 0.47 in)
Pressure levels	512 levels
Pen tip travel	0.1 mm (0.004 in) or less
Eraser tip travel	0.1 mm (0.004 in) or less
Weight	12 g (0.03 lb), approximately
Tip refill type	Polyacetal (Part No. PSI-A007)

## Graphire4 cordless mouse (model EC-140)

Physical size (L x W x H)	106.2 x 62.3 x 37.4 mm (4.18 x 2.45 x 1.47 in), approximately
Weight	90 g (0.20 lb), approximately
Fingerwheel type	Continuous rotation, 24 notches per revolution

## Product information

To learn more about Graphire4, and about which software applications are currently tablet enhanced to support the pressure-sensitivity, eraser, and other special functionality of your pen tablet and tools, visit the Wacom web site for your region:

USA, Canada, Central and South America	<a href="http://www.wacom.com/productinfo">http://www.wacom.com/productinfo</a>
Europe, Middle East and Africa	<a href="http://www.wacom-europe.com">http://www.wacom-europe.com</a>
Japan	<a href="http://tablet.wacom.co.jp">http://tablet.wacom.co.jp</a>
Asia Pacific (English)	<a href="http://www.wacom.com/ap">http://www.wacom.com/ap</a>
China (Simplified Chinese)	<a href="http://www.wacom.com.cn/chanpin">http://www.wacom.com.cn/chanpin</a>

## Ordering parts and accessories

To purchase parts and accessories, refer to the tablet Read Me file and see who to call for your region.

You can also do the following:

**To purchase parts and accessories in the USA or Canada**, call 1.888.884.1870 (toll-free) or visit Wacom's web site at <http://www.wacomdirect.com> (USA only).

**To purchase parts and accessories in Europe**, call +49 (0)180.500.03.75 or send an email to [parts@wacom-europe.com](mailto:parts@wacom-europe.com). Or, visit the Wacom web site at [www.wacom-europe.com/solutionstore](http://www.wacom-europe.com/solutionstore). You can also contact your local dealer, distributor, or Technical Support using the appropriate number for your region.

**To purchase parts and accessories in other countries**, please contact your local dealer or distributor.

Please note that not all parts and accessories are available in all regions.

## Radio and television interference

The equipment described in this manual generates, uses, and can radiate radio-frequency energy. If it is not installed and used properly—that is, in strict accordance with Wacom instructions—it may cause interference with radio and television reception.

### FCC notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

You can determine whether the equipment is causing interference by disconnecting it from your computer. If the interference stops, it was probably caused by the equipment.

If the equipment does cause interference to radio or television reception, you may be able to correct the interference by using one or more of the following measures:

- Rotate the television or radio antenna until the interference stops.
- Move the equipment farther away from the television or radio.
- Plug the equipment and computer into an outlet that is on a different circuit from the television or radio.

If necessary, consult your Wacom dealer or an experienced radio/television technician for help.

Changes or modifications to this product not authorized by Wacom could void the FCC Certification and negate your authority to operate the product.

### CE declaration

The Wacom Graphire<sup>®</sup> 4 digitizing tablet, models CTE-440 and CTE-640, have been tested and found to comply to the following harmonized European Norms:

- EN 55024 (electromagnetic immunity)
- EN 55022 Class B (electromagnetic emissions)

Based on the results of these tests, Wacom declares that the above mentioned devices conform to Article 10.1 of the European Council Directive 89/336/EEC, and their amendment Directive 93/68/EEC and indicates this conformity by the CE-sign on each device.

The device must be installed and operated always in strict accordance to the instructions given in this handbook. Any changes or modifications to this product that were not specifically authorized will invalidate this declaration.



## License and Warranties

(Worldwide, Except for Europe, Africa and Middle East)

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**6. Miscellaneous.** This License is governed by the laws of the United States of America and the state of Washington except in Asia Pacific and by the laws of Japan for Asia Pacific.

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The Software is licensed "as is." Wacom makes no warranty with respect to its quality or performance. Wacom cannot guarantee you uninterrupted service or the correction of any errors.

*Upon discovery of a defect in the product, except in the Software, within the Warranty Period, you should contact Wacom Technical Support via telephone, email, or fax to obtain an RMA (Return Merchandise Authorization) number and instructions for shipping the product to a service location designated by Wacom. You should send the product, shipping charges prepaid, to the designated service location, accompanied by the return authorization number, your name, address and telephone number, proof of purchase date, and a description of the defect. Wacom will pay for return shipping by United Parcel Service or by an equivalent service as chosen by Wacom.*



Wacom's sole obligation and entire liability under this warranty shall be, at Wacom's option, either the repair or replacement of the defective product or parts thereof of which Wacom is notified during the Warranty Period; provided, however, that you are responsible for (i) the cost of transportation of the product to the designated service location and (ii) any loss or damage to the product resulting from such transportation.

Wacom shall have no responsibility to repair or replace the product if the failure of the product has resulted from accident, abuse, misuse, negligence, or unauthorized modification or repair, or if it has been handled or stored other than in accordance with Wacom's storage instructions.

Any descriptions, drawings, specifications, samples, models, bulletins, or similar material, used in connection with the sale of the product, shall not be construed as an express warranty that the product will conform or comply with your requirements.

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In the event that any of the above limitations are held unenforceable, Wacom's liability for any damages to you or any party shall not exceed the purchase price you paid, regardless of the form of any claim.

This Limited Warranty is governed by the laws of the United States of America and the state of Washington.

This Limited Warranty is valid for and only applies to products purchased and used inside the United States (and its territories or possessions) and Canada.

### **Warranty Service in the U.S.A. and Canada**

To obtain Warranty service within the U.S. or Canada contact:

Wacom Technical Support  
Phone: 1.360.896.9833  
Fax: 1.360.896.9724  
E-mail: support@wacom.com

## **Warranty on Sales Outside of the U.S.A. and Canada**

For products purchased or used outside of the United States and Canada, upon discovery of a defect in the product, except in the Software, within the Warranty Period you should contact your local dealer or distributor. In all other respects the terms of the warranty as set forth above apply to such sales.

Should you have any questions about this Agreement, or if you desire to contact Wacom for any reason, please contact in writing:

### **In North and South America contact:**

Wacom Technology Corporation  
1311 S.E. Cardinal Court  
Vancouver, Washington 98683  
U.S.A.

### **In Japan contact:**

WACOM Co., Ltd.  
2-510-1 Toyonodai  
Otone-Machi, Kitasaitama-Gun  
Saitama, 349-11  
Japan

### **In Asia Pacific contact:**

WACOM Co., Ltd.  
Harmony Tower 18F, 1-32-2 Hon-Cho,  
Nakano-Ku, Tokyo 164-0012  
Japan

### **In Mainland China (Except Hong Kong) contact:**

WACOM China Corporation  
Room 611 CNT MANHATTAN BUILDING  
No. 6, Chaoyangmen Bei Road. Beijing, China 100027  
E-mail: support@wacom.com.cn

## License and Warranty

(Europe, Africa and Middle East)

### Software License Agreement

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This product contains copyrighted computer programs (“software”) which are the inalienable intellectual property of WACOM Europe GmbH (“WACOM”). This software is both integrated within the product and also contained on the accompanying data carrier. The purchase of this product from your dealer does not include WACOM's software and the associated rights of usage. WACOM grants you, the user, the right to use the software solely in accordance with the conditions of this software license agreement. By purchasing this product you agree to the terms of this license.

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The customer may not license, lease or loan the software to a third party, nor allow a third party to access the software in any other way. The customer may not without prior written authorization from WACOM copy, modify, transmit or edit the software, apart from the actions of copying necessary to create a backup copy and for the purposes outlined in section 2 above.

The customer may not decompile the software; if the software contains interfaces to software which is not supplied by WACOM, WACOM shall make the necessary information available to the customer upon request, provided that the customer can prove his/her entitlement to use the software and that he/she agrees to pay the copying and postage costs.

### Limited Warranty

WACOM warrants to you as the original end-user that the product hardware is free from defects in materials and workmanship under normal use and service for a period of TWO (2) YEARS after the date of purchase (excluding consumable items such as the pen nibs), provided that they are unused at the time of such purchase. WACOM further warrants to you the accompanying diskettes against defects in materials and workmanship for a period of SIX (6) MONTHS after the date of purchase.

The Software is licensed and distributed “AS IS”. WACOM makes no warranties, expressed or implied, with respect to its quality, performance, merchantability and fitness for a particular purpose (including related manuals and documentation). WACOM cannot guarantee you uninterrupted service or the correction of any errors.

Upon discovery of a defect in the product, except in the Software, within the applicable Warranty Period, you should return them in the original packaging to the place of your original purchase, together with your name, address, telephone number, a description of the problem and a copy of the original invoice. You are responsible for any loss or damage to the product resulting from such transportation. WACOM's sole obligation and entire liability under this warranty shall be, at WACOM's option, either the repair or the replacement of product or parts thereof that prove defective and that were returned within the applicable Warranty Period.



WACOM shall have no responsibility to repair or replace the product if (a), in the opinion of WACOM, the failure of the product has resulted from accident, abuse, misuse, negligence, misapplication, or unauthorized modification or repair, or (b) the product has been handled or stored other than in accordance with WACOM's storage instructions, or (c) the failure is due to normal wear and tear, or (d) you fail to fulfill your obligations as described above.

In case that any claim presented under warranty is found upon investigation to be either outside the duration or the scope of this warranty, or in case that the product is found to be not defective, then the cost of such investigation and repair shall be borne by you.

Any descriptions, drawings, specifications, samples, models, bulletins, or similar material, used in connection with the sale of the product, shall not be construed as an express warranty that the product will conform or comply with your requirements.

Should any provision of this agreement be declared invalid, that provision shall be treated as separate from the agreement, and the agreement shall remain in force without limitation in all other respects.

If this product is found to be defective, the purchaser may be entitled to institute legal proceedings against the seller on grounds of liability for deficiency. The statutory rights indicated with regard to the seller are not limited in any way by this warranty. Rather, this warranty affords the purchaser rights in addition to those indicated in the present text.

This limited warranty shall apply if the seller's corporate domicile is in the European Union or in Iceland, Norway, Jersey, Switzerland, Russia, the Ukraine, Rumania, Bulgaria, Croatia, Serbia, Tunisia, Turkey, Syria, the Lebanon, Jordan, Israel, Egypt, the United Arab Emirates, Iran or South Africa.

This Limited Warranty and Liability is governed by the laws of the Federal Republic of Germany.

Should you have any questions about this Agreement, or if you desire to contact WACOM for any reason, please contact in writing:

WACOM Europe GmbH  
Europark Fichtenhain A9  
47807 Krefeld  
GERMANY

## GLOSSARY

**Active area.** The drawing area of the tablet where your Graphire4 tools are detected.

**Aspect.** The ratio between the vertical and horizontal dimension of the tablet or display.

**Click force.** The amount of force you must apply to the tip of your pen for a click to occur.

**Double-click distance.** The maximum distance (in screen pixels) that the cursor can move between clicks and still be accepted as a double-click. Increasing the double-click distance makes double-clicking easier, but may cause a delay in brush strokes in some graphics applications.

**Eraser-aware application.** A software application that has built-in support for the Graphire4 eraser. These applications take advantage of the eraser in different ways, depending on what makes sense for the application.

**ExpressKeys.** The customizable control keys located on your pen tablet.

**Fingerwheel.** The control wheel on the cordless mouse.

**Mapping.** The relationship between your Graphire4 tool position on the tablet and the cursor position on the monitor screen.

**Modifier.** Modifier keys include SHIFT, ALT, and CTRL for Windows, or SHIFT, CONTROL, COMMAND, and OPTION for Macintosh. You can customize your Graphire4 tool to simulate a modifier key.

**Mouse acceleration.** A setting that allows you to adjust the screen cursor acceleration when your Graphire4 tool is in [mouse mode](#).

**Mouse mode.** A method for positioning the screen cursor. When you place a Graphire4 tool on the tablet, you can move the screen cursor with a “pick up and slide” motion similar to using a traditional mouse. This is known as relative positioning, and is the default setting for the cordless mouse. See also [pen mode](#).

**Mouse speed.** A setting that allows you to adjust the speed at which your screen cursor moves when your Graphire4 tool is in [mouse mode](#).

**Nib.** The replaceable pen tip.



**Pen mode.** A method of positioning the screen cursor. Wherever you place your Graphire4 tool on the tablet, the screen cursor will jump to the same corresponding point on the screen. This is known as absolute positioning, and is the default setting for the Graphire4 pen. Also, PEN MODE allows you to quickly position the screen cursor without having to first find it and then move it across the desktop. See also [mouse mode](#).

**Pixel.** The smallest unit of measure on your monitor screen.

**Pop-up Menu.** A window that displays a list of keystroke functions and other actions you can perform. You can customize the buttons of your Graphire4 tools to display this menu.

**Pressure sensitive.** A quality of the Graphire4 pen tip and eraser that senses the amount of pressure being applied. This is used to create natural-looking pen, brush, and eraser strokes in applications that are pressure-sensitive.

**Pressure-sensitive application.** Any application that supports pressure-sensitive input.

**Proximity.** The height above the tablet [active area](#) where the Graphire4 tools are detected. Refer also to the [pointing](#) section.

**Screen cursor.** The pointer on the display screen. Screen cursors come in different shapes (such as an I-beam, arrow, or box), depending on which application you are running.

**Tablet wheel.** The control wheel on the pen tablet.

**USB.** Universal Serial Bus. A hardware interface standard for connecting computer peripheral devices. USB ports support hot-plugging, which allows you to connect or disconnect a USB device without turning off your computer.

**Wintab.** An interface standard used by Windows applications for receiving tablet information. Graphire4 supports all Wintab-compatible applications under Windows.

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