

PowerMate

Instruction Manual



Overview

The Griffin Technology PowerMate is a new genre of computer peripheral, one with almost limitless potential. Its default configuration is audio control for your computer, but it's also fully programmable to perform virtually any computer function. And it is also a Power On button, when connected directly to a machine that supports that function.

Note: Windows PCs, the latest version of PowerBook G4s, iBooks, and current iMacs (Summer 2000 and later) do not support this feature.

Requirements

PC with Windows 98SE, ME, 2000, or XP
Macintosh with System 9.0.4 or greater, or OS X

Installation

Mac OS 9

Insert the enclosed CD. Select the OS 9 folder. Double click the **PowerMate Installer** icon. From that point on, the installer will lead you through the installation steps. When the installation's complete, you'll be prompted to restart the computer. You may be able to hot plug the PowerMate instead of restarting, and it can be connected before or after your computer has started up.

Mac OS X

Insert the enclosed CD and select the OS X folder. Double click the **PowerMate Installer** icon. You'll need an Administrator password (typically what you used when you installed OS X) to go any further. Click on the **Lock**

icon in the Installer and enter that password. From there on, the installer will lead you through the installation process. When the installation is complete, you'll be prompted to restart the computer. The PowerMate can be connected before or after your computer has started up.

	<p>Turn That Noise Down!!!</p> <p>PowerMate is a great Volume knob. Turn your CDs or MP3s up as loud as they can go. Then when the phone rings - or the Police come - click PowerMate's button to instantly Mute the offending "noise"... till the next song comes on.</p>
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Windows 98, 98SE, ME

1. Attach the PowerMate to a USB port and insert the enclosed CD. Double-click on **PowerMate98.exe** located at the root of the CD. If you have AutoPlay enabled, the setup program will run automatically when you insert the CD. Follow the instructions on screen to install the PowerMate software.

2. (Windows 98) Go to **Settings > Control Panels**, double-click on **System**, click on **Hardware**, and click on **Device Manager**. Check **View devices by type**. Under **Universal Serial Bus Controller**, you will have a listing for the USB devices that Windows considers to be currently attached. The PowerMate is listed as a **USB Human Interface Device**, and you can confirm that by double clicking on the device entry and verifying the listing **Griffin PowerMate** next to **Location**. Then click on **Properties**.

(Windows 98SE/ME) Go to **Settings > Control Panels**, double click on **System**, click on **Hardware**, and click on **Device Manager**. Check **View devices by type**. Under **Human Interface Device**, you will have a listing for the HID devices that Windows considers to be currently attached. One of these will be the PowerMate, and you can confirm that by double clicking on the device entry and verifying the listing **Griffin PowerMate** next to **Location**. Then click on **Properties**.

3. In **Properties**, click on **Driver**, click on **Update Driver**, and select **Display a list of all the drivers....** Click on **Next** and you will be taken to a screen that offers to install either the **USB Human Interface Device** or the **Griffin PowerMate**. Select **Griffin PowerMate**, and **Have Disk**.
4. In the **Install from Disk** dialog box, select **Browse** and select **PowrMate.inf**. It's usually found in **C:\Program Files\Griffin Technology\PowerMate\Driver**, unless you specified a different location in step 2. Click **OK**.
5. In **Update Device Driver Wizard**, select **Next** twice. Close all control panels.
6. Reboot the computer.
7. Once you've rebooted, turn the knob and gaze in wonder as the light brightens and dims as you turn it right and left (this is the default behavior for controlling the system master volume).

 A close-up photograph of the Griffin PowerMate scroll wheel. It is a cylindrical device with a silver-colored top and a blue base. The top has a central knob and a scroll wheel. The base has the text 'GRIFIN TECHNOLOGY' visible.	<p>Take it for a scroll.</p> <p>Use PowerMate as a scroll-wheel replacement. Make a setting for Adobe Acrobat or Microsoft Word emulating the page-up and page-down keys and navigate those long 100-page documents with a flick of the wrist.</p>
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Windows 2000, XP

1. Attach the PowerMate to a USB port and insert the enclosed CD. Double-click on **PowerMate2k.exe** located at the root of the CD. If you have AutoPlay enabled, the setup program will run automatically when you insert the CD. Follow the instructions onscreen to install the PowerMate software. After restarting your PC, you should be ready to go.

If the automatic Windows installation appears to have **not worked** (i.e. - PowerMate will only move the screen cursor left and right and does nothing else), please continue to the manual installation at Step 2.

2. Go to **Settings > Control Panels > System**, click on **Hardware**, and click on **Device Manager**. Check **View devices by type**. Under **Human Interface Device**, you will have a listing for the HID devices that Windows considers to be currently attached. One of these will be the PowerMate, and you can confirm that by double clicking on the device entry and verifying the listing **Griffin PowerMate** next to **Location**.
3. Once you've selected the correct entry for the PowerMate, click on **Driver, Update Driver**, and select **Install from a list of specific location**.
4. Choose from the following instructions for your Windows version:

Windows XP

Select "**Don't Search. I will choose the driver to install.**" Click on **Have Disk** then click on **Browse** and point it to the location of the Griffin Technology PowerMate driver folder (typically C:\Program Files\Griffin Technology\Powermate\Driver). Select **PowrMate.inf**, click OK to install the driver, and you're done.

Windows 2000

Make sure you have updated to **Service Pack 3**. Select "**Don't Search. I will choose the driver to install.**" Click on **Have Disk** then click on **Browse** and point it to the location of the Griffin Technology PowerMate driver folder (as in C:\Program Files\Griffin Technology\Powermate\Driver).

Select **PowrMate.inf** and click OK to install the driver. You will receive an error message stating, "**the specified location does not contain information about your hardware**". Click on "OK" to clear the error message, and you will be returned to the **Locate File** window. Select **PowrMate.inf** again (without any other steps) and it should load correctly. You may be asked to **Restart**. At that point the PowerMate driver should load at startup normally and operate correctly.

5. After all that, you deserve some fun. Twirl the knob and gaze in wonder as the light brightens and dims as you turn it right and left (this is the default behavior for controlling the system master volume).



Make Movies With a Twist.

PowerMate makes a great Jog/Shuttle wheel for editing your home movies. Set PowerMate to repeat the keys that scroll left and right in your video editing application. Then you can scroll through the clips and trim unwanted footage with the push of a button.

PowerMate Use

The PowerMate can be connected to a USB hub, USB keyboard, or directly to the computer. The Soft Power On feature of the PowerMate only works when the PowerMate is connected directly (not through a hub or keyboard) to a computer that supports this feature.

Note: Windows PCs, the latest version of PowerBook G4s, iBooks, and current iMacs (Summer 2000 and later) do not support this feature.

Some users may only use the PowerMate presets for popular applications. For example, the PowerMate functions as an audio control for System volume and iTunes (click the knob to mute or unmute, rotate the knob to increase/decrease volume). Or you can streamline your Internet Explorer viewing (click the knob to Page Back, rotate it to scroll up or down).

However, the most exciting aspect of the PowerMate is its user programmability. You can easily configure the PowerMate to your needs, and those custom functions can be assigned either globally or on a per-application basis.

Here are some other **PowerMate usage suggestions**

1. Play, Pause and Rewind in audio editing applications
2. Set PowerMate to Zoom-in and Zoom-out in graphic applications
3. Set the click in your Global Setting to launch and check you email
4. Scroll through long email lists, then click to open and read your email
5. Use the PowerMate as the unique game controller
6. Scroll through long Word documents

Custom Settings

Features

As of PowerMate Software Version 1.5, your PowerMate has six assignable User Actions: **Rotate Right, Rotate Left, Click, Click and Rotate Right, Click and Rotate Left, and Long Click.**

Long Click is adjustable between .5 and 4 seconds via a slider bar directly on the Control Panel/Preference Pane, and it's activated when you press and hold the PowerMate button for that selected length of time or longer.

The **Apply Now** Button immediately applies any new settings or changes without having to close the Control Panel/Preference Pane.

A **Global Only** checkbox allows you to set the PowerMate to function simply as a volume knob. There is also a direct link within the software to the Griffin Technology website for further help and information.

Macintosh users can assign the PowerMate as an **Eject Button** for CDs, and activate the onscreen and audible Volume Status display using the special "**Volume Up,**" "**Volume Down,**" and "**Volume Mute**" key commands included in the software.

They can also use **Game Mode** to send a continuous key command of their choice for as long as they apply the User Action.

Macintosh OS 9

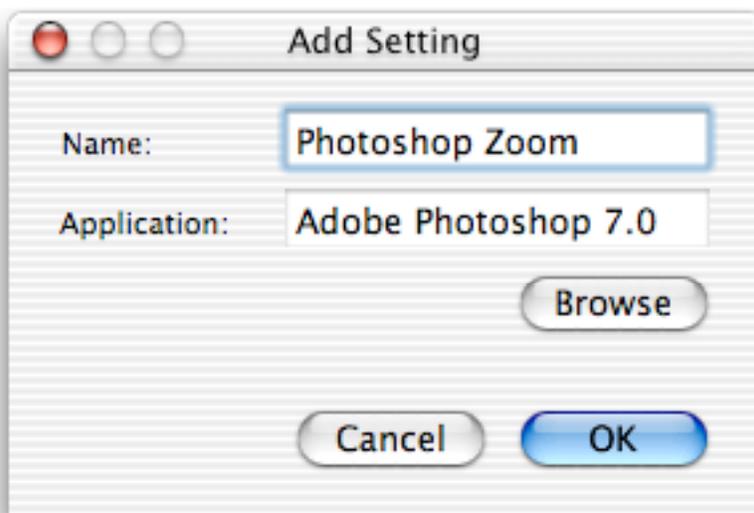
Go to the **PowerMate Control Panel (Control Panels,** under the Apple icon). Click on **Add Setting** and use the navigation window to find the desired application. Select the application, choose **Open,** and you're ready to start customizing.

Next select the **User Action** that you want the PowerMate to respond to, such as **Click** or **Rotate Left.** Finally select the action you wish to send. For example, you might choose **Click** under **User Action** and **Double Click** under **Computer Action,** so every click of the PowerMate will send a double click in that particular program.

If you have a specific keystroke you'd like the PowerMate to send, simply select **Send Key** under **Computer Action**. Then click on **Set** under **KeyStroke**, and enter the desired key combination. To save your settings, click **OK**. The PowerMate driver is application aware so it will execute your settings whenever that application is active (frontmost on the screen).

Macintosh OS X

The PowerMate Preference Pane icon is located in **Other** in the System Preferences. Click it to open the PowerMate control pane. To add a new setting, click on **Add Setting**. A window will appear and **Browse** will allow you to navigate to the desired application (the application, not the folder.) Select the application and click **Open**. You'll be returned to the **Add Setting** dialog, where you can approve or edit the name that will appear in the **Configuration** list. Click **OK** to save your settings.



To configure an application, select it under **Setting** and choose an action under **User Action**. Next select the **Computer Action** pop up. You can select a predefined action or input your own by selecting **Send Key**.

If you choose a preset action, you merely have to close the PowerMate window to save that setting. If you desire to input your own key combination, you must click the **Change Key** button that will appear when you select **Send Key**. Next, type in the desired key combination in the **Key** dialog box. If you want a modifier key or keys as well, check the appropriate box or boxes.

When you are finished, click OK and close the PowerMate Pane. Your new settings will become active as soon as you quit the System preferences or switch to another preference pane.



Enter the key or key combination you want. In this example, **Down Arrow** is selected.

The PowerMate driver is application aware so it will execute your settings whenever that application is active (frontmost on the screen).

Windows 98SE, 2000, ME, XP

The **Configuration** box contains some presets, but it's quite easy to create your own. Under Configuration, select **Add Setting**. Enter a name, use **Browse** to locate the desired program, then click **OK** to return to the main control panel. **User Action** lists the knob's assignable actions and, using combinations of the **User Action** and **Computer Action** drop down boxes,

you can assign those actions to any task you desire. For example, select **Single Click** in the **User Action** box and **Send Key** in **Computer Action**. **Send Key** will appear. Select that box, type in the desired key combination, click **OK** and you're done.

Whenever that application is the frontmost window (the active application), the PowerMate will perform the action you assigned it. Certain key combinations cannot be input directly at this time. This includes Alt+F4, Delete, Backspace, and others we may not even be aware of. This will be addressed in future versions of the PowerMate software.

A Word About the "Sensitivity" Setting

When PowerMate is scrolling or spinning in any setting it can do this at different intervals – faster or slower – based on the PowerMate wheel revolutions. This adjustment is called **Sensitivity**. Experiment with this setting until you arrive at a speed that "feels" right. Each Application Setting can have its own unique **Sensitivity** setting.

Key Repeat Rate is very similar to **Sensitivity**, except that it is directly related to how quickly keys are sent out as you spin the wheel. This has the same effect as setting **Sensitivity**, because the more "keys" that are sent when the wheel is turned, the faster the key action happens.

If this makes NO SENSE AT ALL to you, don't worry. Open the Control Panel or System preferences for PowerMate, experiment with changing the setting and see how it changes the performance of PowerMate. This is the best way of all to understand the **Sensitivity** setting.

Gaming Mode

Ah, Gaming Mode. One of the coolest things you can use your PowerMate for is playing games, especially ones that lend themselves to a knob or spinner controller. Games like Tempest, like Space Invaders, like aiming your gun in Quake - you get the idea. When you create a PowerMate setting for a game you need to check Gaming Mode next to the setting menu – and here's why.

Games use key commands in completely different ways than most applications. They take a key command and continue its action until another key or action tells it differently. For example, lets say the Z and X key move your "spaceship" left and right in a game. If you click the Z key, this causes your ship to go left – you don't need to type Z-Z-Z-Z-Z-Z-Z to make it

continue. It does this with just one Z key command until it's told to do another – like X to go right.

Checking the Game Mode checkbox next to your PowerMate game setting makes sure PowerMate operates like this when it's emulating key commands in a game. Got it? Good. Now go play some games.

	<p>Web Surfing with a Twist.</p> <p>Here's a weird idea. Set PowerMate's Internet Explorer setting to cycle through available links on a page – right turn sends the Tab key, Left turn sends Shift-Tab key and the click sends a Return key. Now you can surf the web with PowerMate. Surf Different.</p>
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Coollest Peripheral

The PowerMate's user programmability really opens up its potential, but our favorite feature has to be the pulsating base. To get the true effect, turn off the lights and play around with the Pulsing settings. So what if someone catches you all alone staring at your computer in the dark!

The glowing base can even be controlled by applications that send Apple Events. For advanced users familiar with AppleScript, we've enclosed some sample scripts to demonstrate how easy it is to remotely program the PowerMate.

As simple as it is, the PowerMate has almost unlimited possibilities, and we're interested in how you use it. What's your favorite setting? How has it completely changed your life? Do you ever get tired of hearing, "What's that cool metal knob on your desk?" Tell us your raves and comments by emailing us at:

powermate@griffintechology.com

Thanks again for your purchase of the PowerMate, and enjoy!

Common Questions

Q. When I try to use the Soft Power On feature of the PowerMate to start my computer nothing happens and it does not work. How come?

A. The Soft Power On feature of the PowerMate only works when the PowerMate is connected directly to a computer which supports this feature. Windows PCs, PowerBook G4s, iBooks, and iMacs (Summer 2000 and Later) do not currently support this feature.

Q. When I am in iTunes and I turn the PowerMate knob I hear the volume change but the iTunes volume slider does not move.

A. In the PowerMate Control Panel there are presets included for several applications including iTunes. When customizing an application in the PowerMate Control Panel if you select Increase/Decrease Volume it will always adjust only the System Volume. Most applications, such as iTunes use specific keyboard commands to adjust the volume within their application. Double check the application to make sure you are using the correct keyboard commands and the application should respond accordingly.

Q. I want to use the PowerMate to perform a function in my favorite application but I do not see the keyboard command listed in any of the applications menus.

A. Check the application's help section for any undocumented keyboard commands. Even though they are not listed in a menu, as long as the application supports them, they should work. Keep in mind that each application does have its limitations so it may not support the function that you desire it to perform.

Q. When I adjust the computer's volume in OS X, the other volume controls do not reflect the changes.

A. Currently the system volume controls don't adjust when the default output volume is adjusted by other applications, and vice versa. Apple has said this will be fixed at a future point.

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