

EXHIBIT 1036

PALM & TREO HACKS™

*Tips & Tools for
Mastering Your Handheld*



O'REILLY®

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ETN1036

**HACK
#16****Turn your PDA into a Flashlight**

When darkness falls, you can engage the backlight on your Palm and light things up.

You can turn on your Palm's backlight to act as a basic flashlight. However, you will need to disable the power-off feature if you need to use the flashlight for more than a few minutes (either that or you will have to keep turning it back on). This works nicely on a Treo with the lighted keyboard, but it also works fine on a regular Palm device. There are a couple of simple programs that do this for you.

FB Hi-Light

FB Hi-Light displays a flashlight (bright white light) and has some digital sound effects. It is available from PalmGear (<http://www.palmgear.com>; search for the name of the application there).

TealInfo/Teal Light

The program TealInfo from [TealPoint Software](http://www.tealpoint.com) (<http://www.tealpoint.com>) allows you to create and use simple interactive databases and mini-applications. One of those programs (called Folios) is Teal Light which gives you a variety of choices for turning your PDA into a flashlight. You can choose from a set of different colors and different patterns, as you can see in Figure 2-25.

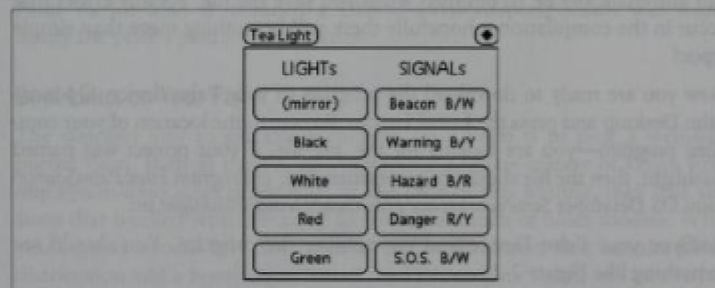


Figure 2-25. TealLight

As you can see, this is a very simple hack—the programs give you some neat options, though. Keep this idea in mind if you need a flashlight and all you have with you is your Palm device.

Document Readers 9 A H 3 .

The following list contains some representative document readers. This list is by no means complete. If you need additional capabilities, then you may want to search beyond the readers in this list. MemoWare (http://www.memoware.com/mw.cgi?screen=help_format) has a good list of document readers. MemoWare lists the formats that document readers can understand and also has links to the actual readers themselves.

Picstel File Viewer (included on some Palm devices). Picstel File Viewer has an innovative user interface, as you can see in Figure 4-1. The interface represents documents graphically. You can zoom in or out and move through a document easily using the pen. Picstel File Viewer supports Palm DOC documents, Microsoft Word .doc documents, Microsoft PowerPoint documents, and HTML documents. It does require a memory card to access documents, however.

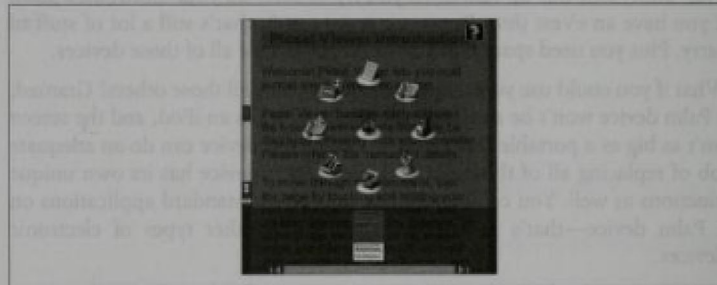


Figure 4-1. Picstel Viewer's interface

TealDoc (<http://www.tealpoint.com>). TealDoc provides the features you should expect in a document reader: anti-aliased fonts, full-screen mode, bookmarks, and smooth scrolling. TealDoc also lets you edit documents. You can see a sample document in Figure 4-2.

iSilo (<http://www.isilo.com>). iSilo supports its own compressed document format in addition to the Palm DOC format. iSilo claims that their compressed format is about 20% smaller than a Palm DOC file. The iSilo format also supports embedded images, text formatting, and hyperlinks. You can see this in action in Figure 4-3.

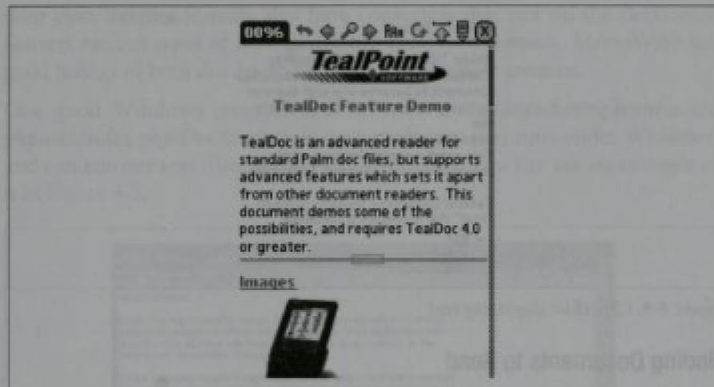


Figure 4-2. TealDoc showing a sample document

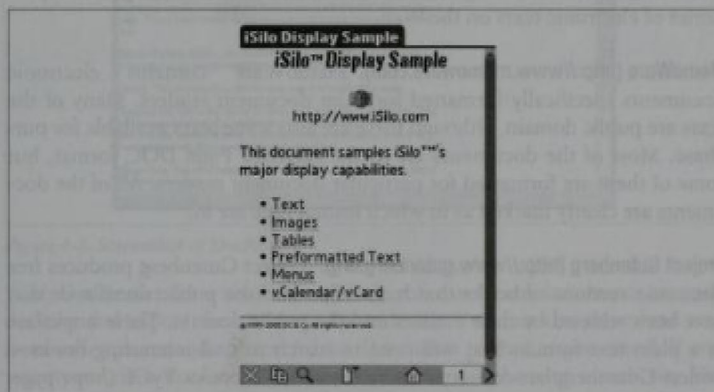
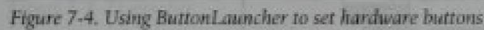


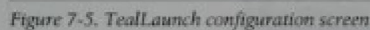
Figure 4-3. iSilo showing a sample document

CSpotRun (<http://www.32768.com/bill/palmos/cspotrun/>). CSpotRun is a free document reader. You can switch between landscape and portrait mode or switch to full screen mode. CSpotRun supports bookmarks and selecting different fonts. You can see the interface in Figure 4-4.

Weasel Reader (<http://www.gutenpalm.sourceforge.net>). Weasel Reader is an open-source document reader. It supports the standard Palm DOC format and compressed text files using the same compression algorithms as gzip. It supports high-resolution devices and also provides full annotation support, including links to where the annotation occurs.



TealLaunch (see Figure 7-5) allows you to invoke applications through combinations of button presses and pen strokes. You can find it at <http://www.tealpoint.com>.



HACK Improve the Launcher

The launcher provides some useful options. You can find related hacks for reprogramming the hardware buttons [Hack #44] and changing launcher options [Hack #46].

The standard launcher displays applications using Icon view. This view displays the largest icon available for each application. While this looks nice, it also reduces the number of applications that you can see at once. To fix this, you can switch to List view.

HACK
#47

Extend Your Palm

HackMaster isn't just the name of an RPG, but is a collection of system extensions (hacks) for your Palm device.

HackMaster (and its later replacements) manages third-party extensions (hacks) to the Palm OS. Over time, some of the more popular hacks have been incorporated into the operating system itself. For example, new Palm devices support tapping in the title area of an application to bring up the menu. Older Palm devices didn't support this, so someone wrote MenuHack. MenuHack provided this functionality before it was available in the OS itself.

Other hacks include superFindHack [Hack #7] for improving the built-in Find and various hacks related to entering text, such as CapsHack and MidCapsHack.

There are some limitations to hacks and HackMaster, however. Starting with Palm OS v5.0, HackMaster no longer works. Hacks and HackMaster itself have been so popular that they have spawned several other extension managers or replacement tool sets, such as Teal Master (<http://www.tealpoint.com>) and pToolSet (<http://www.paulcomputing.com>).



To find out what version of Palm OS you are running, go to the launcher and select Info from the Application menu. From the Info form, tap the Version button and you will see the Palm OS version number at the top of the form.

An extension manager handles extensions (hacks) that conform to a common interface. The most common interface for Palm OS extensions is the HackMaster interface. Extension managers allow you to install, delete, enable, and disable hacks. Some extension managers provide additional features.

HackMaster

HackMaster (<http://www.daggerware.com>), seen in Figure 7-12, was the original extension manager. HackMaster defined the interface that subsequent hacks and extension managers have followed. HackMaster works well on Palm devices through Palm OS 4.x. However, PalmSource chose to disable hacks in Palm OS v5.0.

X-Master

X-Master (<http://linksoft.com>) is a free replacement for HackMaster. In addition to the standard enable and disable functions, X-Master allows you to see which functions each hack patches, as you can see in Figure 7-13. In some cases, this may allow you to find conflicts or resolve strange behavior. To find this information, select a hack from X-Master and press the Details button. X-Master also supports having sets of hacks and easily switching between them. You can also get information on all applications (not just hacks) that are patching system functions.

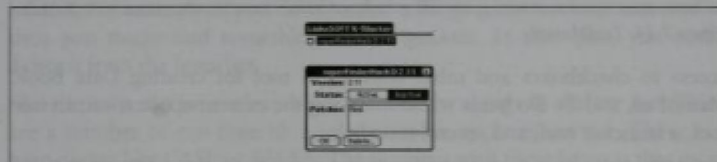


Figure 7-13. X-Master showing Details view

TealMaster

TealMaster (<http://www.tealpoint.com>), seen in Figure 7-14, is a HackMaster replacement that emulates some hacks under Palm OS 5.0. When you run TealMaster under Palm OS 5.0, hacks are listed with icons indicating whether or not they are likely to run under Palm OS 5. Some known compatible hacks are TealMagnify (zooms in to make the screen easier to read), TealGlance (gives a Today view on powering on your Palm device—displays date, time, today's appointments, To Do items), and TealEcho (lets you see what you write in the Graffiti area). TealMaster supports sets of hacks so you can easily switch between different system configurations. The set support is sophisticated—you can configure TealMaster to switch sets when you change applications. TealMaster also allows you to configure the order in which hacks are invoked when more than one hack patches the same system trap.

pToolSet

pToolSet (<http://www.paulcomputing.com>) is not a direct HackMaster replacement. Instead of managing HackMaster extensions, pToolSet provides a set of its own tools (see Figure 7-15) which work on Palm OS versions 3.0-5.x. These tools do not patch the system traps, so they work despite the changes in Palm OS 5. pToolSet provides some of the same sorts of tools that are available as hacks. pToolSet includes a tool for improving

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It goes everywhere you go and keeps track of everything you do. Your Palm has your whole world in its memory, and keeps you on time and in sync, while making sure birthdays, phone numbers, and addresses stay right at your fingertips.

The Palm may be an easy-to-use workhorse, but it's so much more than a calendar and address book. Whether you want to trick out its built-in functionality or extend it with some add-on software, your Palm is ready to surprise you with one new trick after another. *Palm and Treo Hacks* reveals all the possibilities. You'll learn how to:

- Push the built-in applications as far as they will go: tweak every setting, discover features you might have missed, and more
- Customize your handheld with third-party replacements for built-in applications
- Play games such as Kyle's Quest, Texas Hold 'Em, and the many games available for video game and arcade emulators
- Discover third-party applications that let you customize your Palm for maximum productivity
- Connect to the Internet over a Bluetooth or cellular connection
- Master the Treo with ringtones, voice dialing, and conference calling
- Use your Palm as a remote control for your computer or home theater
- Post to weblogs and read them on the go
- Learn how to write your own Palm programs
- Find anything you've stored on your Palm

Whether you're a Palm user from the days when the Pilot first got its wings or completely new to the Palm family, *Palm and Treo Hacks* has something for you. You'll learn how to tweak, extend, and enjoy your Palm-powered handheld in ways you've never thought of.

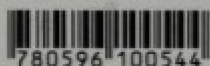
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