



## Fundamental Objects

The Palm Tools

FO HANDHELD NEWS  
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### Welcome

... and thank you for visiting the latest installment of the FO handheld newsletter!

Note that we now have a wireless PalmOS version of this newsletter as well.  
See the [newsletter links](#) below for more about the wireless version.

### Latest FO News

We are offering a special on our handheld/LAN Inventory system, which now includes custom programming -- which is provided to help you to integrate foInventory within your infrastructure.

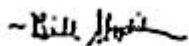
[Click here](#) if you have an interest in these [inventory](#) applications.

As always, please feel free to submit requests or ideas through the links at the bottom of this page. This is where you will also find subscription and removal information.

*Please note: This newsletter contains tips and tools that can alter your PDA. These items are offered here "as is" and without any warranty or support from FO. Please consider them carefully before using or trying them (and backup, backup, backup! first).*

Palm related items are marked with this icon . WinCE items are marked with this  one.

Thank you,



Bill Shadish, Principal

### User Tips

 Q & A

**Question:** Is there a way to completely clear (wipe the programs from) a Palm Pilot?

**Answer:** Yes. You can remove everything that you have installed to the Palm and basically reset it to the same state as it was, when it came out of the box.

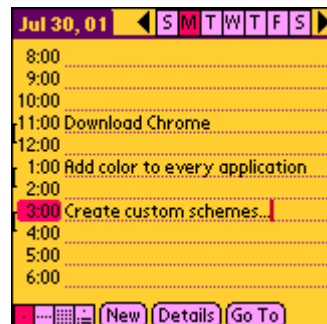
To do this, push the recessed reset button in the back of the Palm *while* holding down the power button at the same time. When you see the Palm logo display, let go of the power button. You will then be asked whether you want to delete all data y/n (?). Answering yes to this will erase all programs and (Really) reset your Palm. This Really will clear off all of the programs and data, so make sure that you hotsync before doing so, in case you change your mind.

## Software

### Chrome 1.1

 (<http://www.twinkletwinkle.com>)

Normally, something like the following application would usually cause gray hair for us. (There's nothing like a support phone call from someone who has just changed the color of their text and their background to the same color!). But, Chrome is a nice little tool that allows you to set colors, and grayscale for any handheld running PalmOS 3.5+. Changing the text color will change it everywhere -- even for the text of icons within the launcher. So be careful about what you change, and where you change it!



Chrome 1.1 - Color Picker

### InfoSync

 (<http://168.143.172.74>)

This is a useful PocketPC information site, with topics ranging from tips through tools. The following is an example of the content found on this site, discussing Microsoft's cleartype technology on differing size PocketPC screens:

"It's time set the record straight about the screens on the new Pocket PC 2002 devices. A lot of people look at the 3.8 inch size of the screen on the iPAQ and assume it must be more readable than the 3.5 inch screen on the Jornada or the Casio Cassiopeia E-200. As it turns out, this is a faulty assumption. Bigger does not always mean better. The Jornada and Casio screens are far more readable. Part of this is the fact that the Jornada and Casio screens, while smaller, are the same 240x320 pixels as the iPAQ, meaning that the pixels themselves are smaller and closer together, increasing effective resolution. "

### PocketPC Passion

 (<http://www.pocketpcpassion.com>)

Another excellent PocketPC user's site, with links, price break info, sales, etc. Included here are links to the current PocketPC SDK.

### Conduits

 (<http://conduits.com/>)

This site contains a tool Peacemaker Pro 1.2 for WinCE devices, to easily beam and receive information from many other devices, including Palm Pilots. Peacemaker supports Pocket PC, Pocket PC 2002, Palm-size PC, Handheld PC, and HPC 2000.

## Development Tips Sites with Real Content for Developers

**NOTE:** From time-to-time, we come upon smaller (\$500-\$10,000) jobs that we outsource under our project management. If you are a developer working with the PalmOS, PocketPC or WAP/WML phone development, and are interested in receiving work-at-home RFPs from us for these types of jobs, please see (<http://www.fo.com/jobs-sign-up.htm>).

### Dot Dot TIPS

The following are unofficial, but now lightly documented DOT commands for the Palm. These enable special functions, primarily for use by developers.

shortcut = write the loop character.

DOT = tap twice.

- shortcut-DOT-1: Enters the Palm's debugging mode for development testing.  
*Press the reset button to re-enable Auto Off.*
- shortcut-DOT-3: Disables the auto power off.  
*Press the reset button to re-enable Auto Off.*
- shortcut-DOT-4: Displays the Palm's User Name and Serial number.
- shortcut-DOT-5: Clears the Hotsync Log.
- shortcut-DOT-6: Displays manufacture date and ROM versions.
- shortcut-DOT-7: Switch the Palm to calculate battery usage for rechargeable batteries.  
*Enter this DOT command again to switch it back.*
- shortcut-DOT-8: Shows black letters on a green screen.  
*Enter this DOT command again to switch it back.*
- shortcut-DOT-I: Turns beaming on for a few seconds (so that you can beam one thing) and then off. Having beaming disabled preserves your batteries.
- shortcut-DOT-S: Beam through the serial port instead of the IR port.  
*Enter this DOT command again to switch it back.*
- Shortcut-Dot-T: Beam to the same unit. For testing beaming.  
*Enter this DOT command again to switch it back.*

### Freshmeat

 (<http://freshmeat.net/browse/223/>)

Freshmeat is a repository for open source code. This IS a Good place to visit. The Palm section is a relatively new addition; mostly because the open source folks struggle with providing free source for a relatively closed platform (such as the PalmOS). However, the vast user acceptance of Palm Pilots has weakened the Freshmeat folks; and, there are now 80+ unique projects available here to download. Each project has source code as well as a compiled binary version.

Some of the projects include:

- Applet Browser and PQA Manager.
- Battery Panel - An app to view or set battery settings on PalmOS.
- Diddle (Good!) - A sketch/paint program for PalmOS.
- EasyCalc - A scientific/engineering graphing calculator.
- Euro Traveller - Mixed Euro currencies for price, pay, and change.
- SmallBASIC - Free BASIC interpreter for Linux and PalmOS.  
(<http://freshmeat.net/projects/smallbasic/>)

## Romeo

 (<http://romeo.sourceforge.net/>)

This one is for serious developers (or those who don't mind throwing away their Palm Pilot if it stops working). Romeo allows you to directly alter the ROM image to remove the default applications or add applications of your own. This is useful if you are selling both the hardware units and your applications, and want the users to run only your set of apps.

Proceed with caution on this one. Start by reading the cautions in their accompanying FAQ.

## Reducing the Size of PRCs

 ([http://fsinfo.cs.uni-sb.de/~roquas/fopra/GNU\\_Pilot\\_SDK.html](http://fsinfo.cs.uni-sb.de/~roquas/fopra/GNU_Pilot_SDK.html))

This is a good, but older FAQ, containing tips on how to reduce the size of Palm executables.

Some of the tips include:

- Compiling with the gcc command-line switch -O2 (optimize) and remove any -g switches (debugging symbols) when you link.
- Do not include the standard C libraries if you are not using floating-point or libc functions, such as printf().

## Related Events

### Microsoft Portrait

 (<http://research.microsoft.com/~jiangli/portrait/>)

This is one that you might want to keep an eye on. Portrait 1.8 is video conferencing software that runs on LANs, dialup networks, and wireless networks with bandwidths as low as 9.6 kbs.

## Hardware Resellers

We are authorized resellers of Palm, Handspring and Handera hardware devices. We are also partners with Pumatech, selling Satellite Forms, Enterprise Intellisync products as well as integrated solutions using these tools.

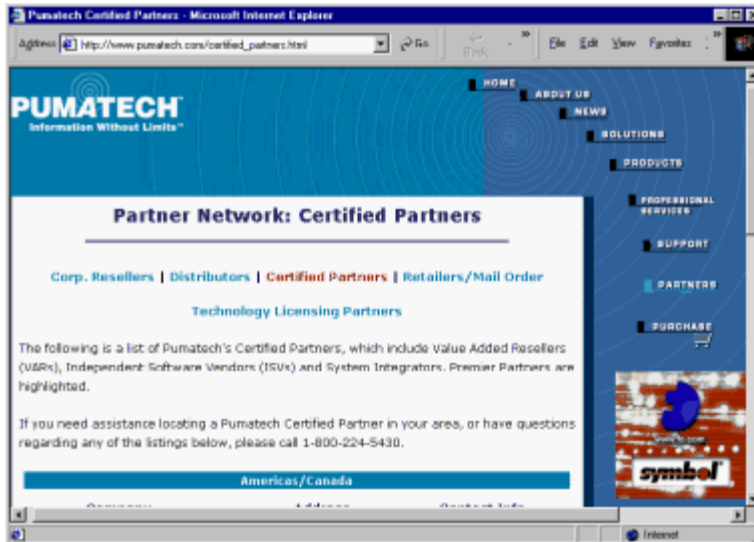


If you would like specific pricing on any of these items, please [contact us](#).

## Affiliates

This section continues our process of highlighting one of our partnering-program affiliates. We believe that you will find the skills and services offered by our select partners to be of as much value to you, as they are to us.

The FO affiliate covered in this issue is PUMATECH (<http://www.pumatech.com>), a PalmOS tool vendor, from San Jose, CA and Nashua, NH USA. Pumatech was added as a FO partner in October 2001.



Pumatech

"Pumatech provides enterprise-level software products and services that deliver highly relevant information, wherever and whenever it's needed. The Pumatech infrastructure solution enables the enterprise to be a place where the most current information is rapidly available and accessible - inside and outside of the enterprise with the utmost security - so updated information is delivered to the point of business as it changes. Interaction with the information is instantaneous, and business processes are automated such that changes are propagated across all systems that connect employees with their network of customers, partners, and suppliers - 24 hours a day, 7 days a week, 365 days a year. Satellite Forms® Server software provides a flexible platform for customized mobile device connections to enterprise data, and for convenient management of mobile devices, users, and applications.", said **Steve Komar**, Pumatech.

More information on Pumatech's products and services can be found at <http://www.pumatech.com>.

*More information about the FO partnering program can be found at <http://www.fo.com/partnering-info.htm>.*

### **Subscribe, Unsubscribe & Comments**

The FO newsletter site itself is found at <http://www.fo.com/newsletter.htm>.

To Unsubscribe to this newsletter, [click here](#).

To Subscribe to this newsletter, simply [click here](#).

If you would like to suggest topics for us to focus on, we will strive to add content in the direction of the most interest. Choose from the following categories, or add your own, and include this in [your comments](#) to us:

- Palm Development
- Palm User Interface topics (look & feel issues),
- Palm User-oriented topics (tips!),
- Palm vs. PocketPC issues
- <other>

If you have other comments or suggestions, please send us an email with your thoughts by [clicking here](#).



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