TealMagnify User's Manual

Program Version 2.51
Last Updated: November 12, 2002

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Description

Thank you for trying *TealMagnify! (Aka TealLens)*. This is a simple system extension that provides ever-ready magnifying glass that allows you to enlarge any part of the display from within almost any program.

Contents

This archive contains the following files:

Program files:

TEALLENS.PRC	The TealMagnify program file
TEALMSTR.PRC	The TealMaster System Extensions Manager (demo)
SETUP.EXE	Optional Windows easy-installer

Document files:

LENSDOC.PDF	This document in Adobe Acrobat (PDF) format
LENSDOC.HTM	This document in HTML format (sans images)
LENSDOC.PRC	This document in TealDoc format
REGISTER.HTM	TealPoint Registration form in HTML format
REGISTER.TXT	TealPoint Registration form in text format

Installing

TealMagnify uses the Hackmaster-compatible Palm System Extensions standard. This is a safe and standard way to add and manage extended system functionality under PalmOS. We've included the non-expiring trial version of our own extensions manager TealMaster, but you may use Hackmaster (shareware) or X-Master (freeware) as well on PalmOS 4 or earlier. On newer devices running PalmOS 5, you **MUST use TealMaster**, as no other system extensions manager except TealMaster 2.0 or higher is currently compatible with the new devices.

Use the Palm Install Tool that comes with your organizer to install the program file **TEALLENS.PRC**. Also install **TEALMSTR.PRC** if you do not already have it on your organizer. The Palm Install Tool comes installed on your desktop computer as part of your original software package, and is accessible from the Palm Desktop program as an icon on the left hand side. Instructions on how to use the Palm Install Tool are in the Handbook that came with your Pilot, PalmPilot, or WorkPad.

This document also comes as a Palm document file **LENSDOC.PRC**, which you can install and view with our program TealDoc.

Under Windows, you can alternatively run SETUP.EXE, our easy installer program. Before doing so, make sure all files in the Zip archive have been decompressed into a working folder, double-click on SETUP.EXE, follow the on screen prompts, and HotSync afterwards to complete the installation.

Important Note: Before updating or deleting a previous version of any TealMaster/Hackmaster system extension like TealLaunch, you must to disable the extension first in the TealMaster/Hackmaster control screen.

Terminology

This manual uses the term 'button' to describe tappable rounded rectangular areas on the Palm display screen. 'Hardware buttons' refer to the four standard application buttons at the bottom of the organizer, the up and down buttons, power button, and contrast button on the Palm V or Palm IIIc. Lastly, 'silkscreen buttons' refer to the four round tappable areas printed below the Palm display screen on either side of the graffiti writing area.

Overview

TealMagnify will let you stop squinting at the small print on your Palm's screen. You can pop it up when you need it, scrolling the magnified area around the display screen.

TealMagnify! hooks itself into the *Find* silk-screened button to the right of the graffiti area. Fortuitously, this button already has a magnifying glass image. *TealMagnify!* is immediately activated when the button is pressed. To do a normal find operation, you can either double-tap the find button (when TealMagnify is registered) or use the provided onscreen *Find* button.

Using the Program

Activation

Simply tap on your pilot's silkscreened *Find* button. Initially, in the lower half of the screen the magnifying window will appear, while the region being magnified will be highlighted by a gray box in the upper half of the display.

To change the area being magnified, simply tap on the region to see or "tap and drag" the highlight region around the display. When you move the highlighted region to the lower half of the display, the magnify window automatically snaps out of the way to the top of the display. To read a column of data (such as telephone numbers) use the Handheld up and down scroll buttons to move the magnifying window vertically.

When done, simply tap *Okay* to return to normal operation or TealMagnify's *Find* option to initiate a normal find operation. Alternately, you may also tap the silkscreened *Find* button a second time to dismiss TealMagnify, quickly after the initial tap (if registered) to start a *Find* operation.

Full Screen Mode

To switch TealMagnify to **full-screen mode**, tap on the "Mode" button when TealMagnify is active. In this mode, the full screen is used to show the magnified area. Since the resolution is at double size, one quarter of the screen display can be seen at any time.

Moving the magnified area functions the same as in normal mode, but the highlighted rectangle appears on the magnified area. The region being magnified corresponds to the position and size of the highlighted area, but relative to the original unmagnified screen "below" the magnified display. Thus, if the rectangle is present in the upper left hand corner, the magnified area reflects shows all the pixels that would be in the indicated region of the screen if the magnified display were not covering them up.

Appendix A - Compatibility

As we cannot control the style and robustness of other products, we cannot guarantee compatibility with PalmPilot applications beyond those included from Palm Computing. However, we try to resolve compatibility issues as best we can, working with other developers where possible.

TealMagnify, like all *Hackmaster* applications, hook into the PalmPilot operating system in a way which may not be compatible with all other programs of this type, as all such programs must share limited system resources. If you experience unexpected behavior or crashes, always try disabling all other hacks first to diagnose whether what you experience is the result of a conflict or lack of system resources.

Sony JogDial
On Sony CLIE handhelds, the jog dial will scroll the magnification window left and right, stepping down 11 pixels (the standard line height) when it reaches the end of a line. This feature makes the jog dial useful for reading a page of text. To enable this feature, make sure the Sony Jog Assist feature is not turned on in the current application. Other handheld jog dials may not be supported because they emulate the vertical scroll buttons which already have alternate functionality defined.

Backdrop EZ Hack
Compatibility to Backdrop EZ Hack has been added in TealMagnify 2.03

FindHack
FindHack patches into the system find call, just like TealMagnify, but provides no way to chain to the next program on the list, as it was meant to fully replace the standard find command, not just augment it. You can still activate TealMagnify, however, but swapping the order in which the two programs appear in Hackmaster's extension list. Uncheck and recheck an item to bring it to the top of the extensions list.

AvantGo
As TealMagnify uses PalmOS drawing routines to draw to the screen, it can only function in display modes supported by the Palm OS. Palm OS versions prior to 3.3 did not support all available grayscale modes. However, some programs, like AvantGo, support additional modes in earlier OS versions by manipulating hardware registers directly. TealMagnify cannot function properly with these programs when running in such display modes.

Appendix B - Revision History

Version 2.51 – November 12, 2002
- Fixed restoration of video state on HandEra 330

Version 2.50 – November 7, 2002
- Added support for ARM handhelds and OS 5.0
- Added support for high resolution displays under OS 5.0
- Added support for high resolution displays on Sony CLIE
- Added support for HandEra 330
- Added support for 16-bit display modes
- Added Sony Jog Dial line-by-line horizontal scrolling

Version 2.10 - August 17, 2000
- Added support for 4 and 16-shade grayscale modes (in PalmOS 3.3 for 16-shade and 3.1 for 4-shade)

Version 2.03 - Jan 18, 2000
- Added compatibility with Palm OS 3.3 registration routines
- Added compatibility with Palm OS 3.3 mag window dragging
- Added compatibility with Backdrop EZ Hack
- Added preselect to registration line
- Fixed stability with low memory conditions

Version 2.02 -
- Added compatibility with future Palm devices

Version 2.01
- Fixed compatibility with TealLock

Version 2.00
- Added full-screen mode
- Mode and position of screen are saved between uses.

Version 1.08
- Application buttons move window sideways.
- Window now centers on cursor.

Version 1.07
- Works with all popups and dialog boxes.

Version 1.06
- Registration changed so key survives warm boot.
- Find key behaves more intelligently.
- Double-click goes to find, but if second click occurs later (say, after mag use) TealMagnify! just exits. Note, if unregistered, register message will delay the second click.

Version 1.05
- More responsive scrolling
- fixed multiple "find" bug
- Will not mess up dialog boxes (disabled, like find),
- enabled registration menu.

Appendix C - Credits

Manual by Vince Lee, Tex Tennison, and Sara Houseman

Appendix D - Contact Info

TealMagnify by TealPoint Software
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We look forward to hearing from you.

Please visit us at www.tealpoint.com, or email us at contact@tealpoint.com.

Appendix E- Products

Visit us online for our complete product line, including:

TEALAGENT (http://www.tealpoint.com/softagnt.htm)
A PC-based Palm data converter, installer, and web clipper which formats local, network, and web-resident data into standard Palm formats.

TEALAUTO (http://www.tealpoint.com/softauto.htm)
The complete automobile mileage, service, and expense tracking program, TealAuto supports unmatched features and customization options.

TEALDOC (http://www.tealpoint.com/softdoc.htm)
Powerful reader for Palm documents, e-books, and newspapers, supporting advanced features such as pictures, links, and flash cards.

TEALECHO (http://www.tealpoint.com/softecho.htm)
Digital "ink" lets you see what you write, vastly increasing graffiti writing speed and accuracy. No more writing blind!

TEALGLANCE (http://www.tealpoint.com/softglnc.htm)
Pop-up utility shows time, date, appointments and to-dos, and other useful information at power-up. See your day at a glance.

TEALINFO (http://www.tealpoint.com/softinfo.htm)
A system for creating and displaying interactive databases, reference works, and mini-application folios; a handheld reference library.

TEALLAUNCH (http://www.tealpoint.com/softlnch.htm)
A pop-up application launcher and mapping utility for launching apps and special functions from pen taps, graffiti strokes, or button presses.

TEALLOCK (http://www.tealpoint.com/softlock.htm)
Secure automatic locking program with optional data encryption and numerous activation and customization options.

TEALMAGNIFY (http://www.tealpoint.com/softlens.htm)
An ever-ready magnifying glass that works with most any program, TealMagnify saves your eyes when looking at tiny text.

TEALMASTER (http://www.tealpoint.com/softmstr.htm)
A supercharged Hackmaster replacement with 100%-compatibility and enhanced stability, configuration, diagnostic and activation features, and PalmOS 5.0 support.

TEALMEAL (http://www.tealpoint.com/softmeal.htm)
A personal restaurant database and selection wizard. Keep a database of your favorites and easily find them by type or category.

TEALMEMBRAIN (http://www.tealpoint.com/softmemb.htm)
Memory monitor and stack manager which helps identify conflicts and greatly improves stability running mltiple hacks and drivers.

TEALMOVER (http://www.tealpoint.com/softmovr.htm)

File management utility for beaming, deleting, renaming, and copying files both in memory and on VFS-compatible storage cards.

TEALMOVIE (http://www.tealpoint.com/softmovi.htm)
High-quality multimedia system with video and synchronized sound. Includes audio/video player and Windows AVI/Quicktime converter program.

TEALNOTES (http://www.tealpoint.com/softnote.htm)
Insert freehand graphic "Sticky Notes" into memos, to-do lists, address book entries--almost anywhere you currently have editable text.

TEALPAINT (http://www.tealpoint.com/softpnt.htm)
The most powerful paint and sketch app on Palm OS handhelds, featuring 16 tools, 16 patterns, 12 brushes, color, and desktop image conversion.

TEALPHONE (http://www.tealpoint.com/softphon.htm)
A powerful Address Book replacement with superior interface, display, search, and indexing options.

TEALPRINT (http://www.tealpoint.com/softprnt.htm)
The all-in-one text and graphic printing solution for Palm OS, supporting infrared, serial, and HotSync printing to any Windows printer.

TEALSCRIPT (http://www.tealpoint.com/softscrp.htm)
An improved, tunable, Graffiti text recognition system that lets you modify the handwriting recognition to suit your handwriting.

TEALTOOLS (http://www.tealpoint.com/softtool.htm)
Six pop-up desk accessories, including a calculator, clock/stopwatch, preferences panel, editing panel, memopad, and a file/backup manager.

Appendix F- Registering

Currently, you may register by snail mail, electronically through our website at www.tealpoint.com with a credit card and a secured server, or through PalmGear HQ at 1-800-741-9070. For the first option, the enclosed registration form is provided for your convenience. You may use this form or simply send the following to the address above.

- Product Name
- E-Mail Address
- HotSync User ID (Pilot Name Required for Passkey generation. It can be found on the main screen of the HotSync application on the Pilot as "Welcome _____" or in the corner on a PalmIII or higher)
- Check (drawn off a US Bank) or Money Order for ($11.95 US) to TealPoint Software

Appendix G- Disclaimer

We at TealPoint Software are committed to providing quality, easy-to-use software. However, this product is provided without warranty and the user accepts full responsibility for any damages, consequential or otherwise, resulting from its use.

This archive is freely redistributable, provided it is made available only in its complete, unmodified form with no additional files and for noncommercial purposes only. Any other use must have prior written authorization from TealPoint Software.

Unauthorized commercial use includes, but is not limited to:

- A product for sale.
- Accompanying a product for sale.
- Accompanying a magazine, book or other publication for sale.
- Distribution with "Media", "Copying" or other incidental costs.
- Available for download with access or download fees.

This program may be used on a trial basis for 30 days. The program will continue to function afterwards. However, if after this time you wish to continue using it, please register with us for the nominal fee listed in the program.

Thank you.