

TreoHour

Version 5.7

A Palm Treo Chime Application with KeyGuard

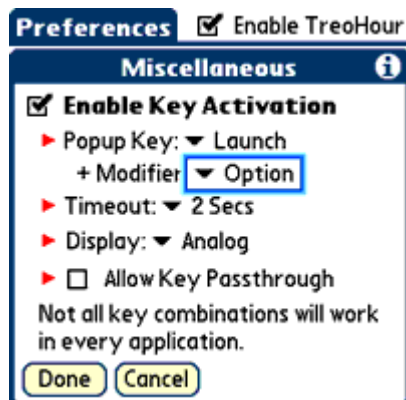
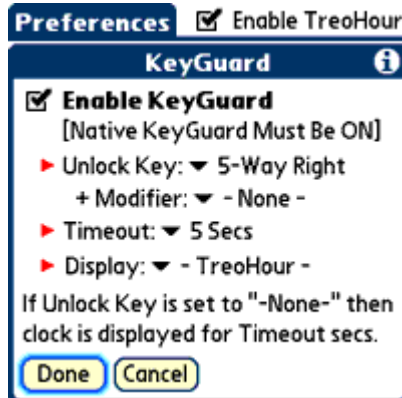
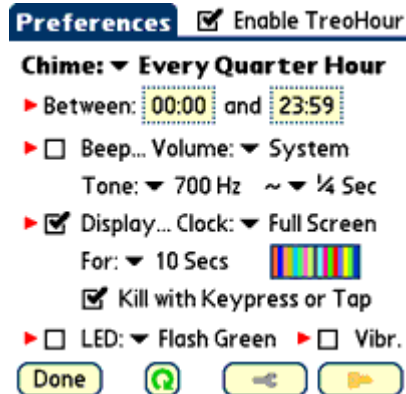
User Manual

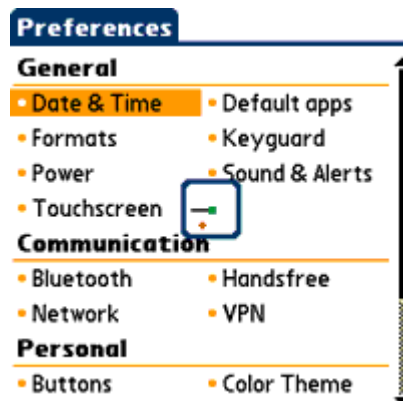
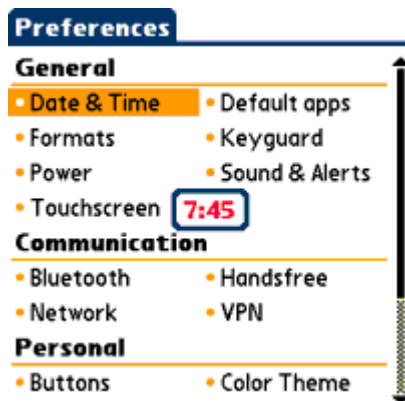
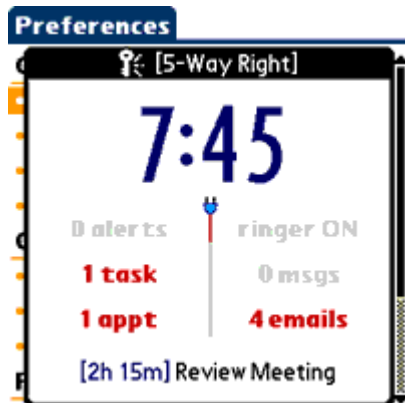
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What is TreoHour?

TreoHour is a small chime application that causes the Treo to emit audible beeps every quarter hour (single beep), half hour (single beep) or one hour (two beeps). TreoHour has several user configurable options. From v2.5 on, the "Full Screen" option also displays the ringer status and alerts, messages and email counts. Now, includes KeyGuard and PopUp functionality.

Be aware of the passage of time with TreoHour.





Downloads

The latest version of TreoHour can be downloaded here: ([PRC](#) | [ZIP](#)). The latest version of this user manual can be viewed online [here](#).

Installing TreoHour

HotSync or copy TreoHour.PRC to your Treo phone. It will appear in the Preferences Panel under "Other". It should be installed in the internal memory for proper functioning.

Uninstalling TreoHour

Delete TreoHour from the [Home]->[Menu]->[Delete] window.

Compatibility

TreoHour should work as described with the Treo 600, Treo 650, Treo 700p, Treo 680, Treo 755p and the Palm Centro Smartphones.

TreoHour has been developed and tested on the Cingular Treo 650 (Unlocked) with the latest updater (Updater: 1.17, Firmware: 01.51, Software: Treo650-1b.17-CNG)

available at the [Palm website](#).

Operation

Invoking TreoHour from the Preferences Panel will display the TreoHour Preferences form. The options are straightforward and self-explanatory.

Features of TreoHour

- Tiny PRC (~ 60 KB), NO hooking to 'hede' notifications.

Limitations of TreoHour

- Chimes *may* not be accurate to the second. Time *is* flexible, after all.

Known Bugs and Issues

- ~~[Normal] No post midnight chimes if "Between X and Y" spans midnight.~~
- ~~[Normal] Time interval problem, chimes one extra interval during "off" period.~~
- ~~[Normal] Enabling "Flash LED" option appears to block chimes under certain circumstances.~~
- ~~[Normal] Keyboard backlights flash a few seconds *after* the chime, if the device is "off". Cause unknown, but appears to be normal.~~
- ~~[Normal] Page rendering goes awry if a chime occurs and a clock is displayed while in Blazer. Cause unknown.~~
- [Normal] If the device is woken-up by a chime and a MIDI tone is played, it cannot be interrupted with a screen tap. A button press is required. Cause unknown.

TreoHour Version History

Version	Date	Remarks
1.0b1	25-Dec-2006	Initial Release.
1.1b1	29-Dec-2006	<ul style="list-style-type: none">• Responds to system time changes.• Code cleanup.
1.1b2	30-Dec-2006	<ul style="list-style-type: none">• Fixed two beeps for hourly chime problem.• Analog clock display.• Fixed minor bugs in time settings, code cleanup.
1.2b1	2-Jan-2007	<ul style="list-style-type: none">• Fixed "Between X and Y" spans midnight

		<p>issue.</p> <ul style="list-style-type: none"> • "Flash LED" implemented, may interact with other Treo utilities that control LED behaviour. • "Vibrate" implemented. • Displays digital time in system time format. • Independent beep volume setting, optionally.
1.2b2	5-Jan-2007	<ul style="list-style-type: none"> • Low volume problem fixed.
1.3b1	5-Jan-2007	<ul style="list-style-type: none"> • Now works with Treo 700p and Treo 680. • "Flash LED" option works properly.
1.3b2	5-Jan-2007	<ul style="list-style-type: none"> • Bug-fix in sound volume preferences setting leading to resets.
1.3b3	5-Jan-2007	<ul style="list-style-type: none"> • Finally fixed the "one extra chime interval during "off" period" problem. • Optimized alarm setting code, has smaller footprint.
1.4b1	7-Jan-2007	<ul style="list-style-type: none"> • Now gets back to sleep immediately if the device was asleep before the chime rather than wait for the auto-off timeout. (Thanks to <i>Jaap Steilberg!</i>) • Support for the Treo 600 (now works on the 600, 650, 700p and the 680). • Solved problem of multiple beeps occurring on occasion.
1.5	15-Jan-2007	Final Release.
1.6	2-Apr-2007	<ul style="list-style-type: none"> • Minor UI enhancements.
2.0	13-Jun-2007	<ul style="list-style-type: none"> • Erases the time display after one second.
2.1	14-Jun-2007	<ul style="list-style-type: none"> • Fixed resets caused due to changes in v2.0.
2.2	21-Jul-2007	<ul style="list-style-type: none"> • Time is displayed before the beeps, instead of after it.
2.3	31-Jul-2007	<ul style="list-style-type: none"> • Cleaned-up graphics routines.
2.5	20-Oct-2007	<ul style="list-style-type: none"> • Added new clock types; graphical and full screen. Full screen clock displays the

		<p>ringer status and pending alerts, messages and email counts.</p> <ul style="list-style-type: none"> • Added option to change the beep frequency.
2.7	20-Oct-2007	<ul style="list-style-type: none"> • Added "Display Clock For x Seconds" functionality. • Added "Kill with Keypress or Tap" option; dismisses clock display with a keypress or screen tap. • Cleaned-up sleep routines.
2.8	23-Oct-2007	<ul style="list-style-type: none"> • High resolution large fonts in Full-Screen clock (this increased PRC size by almost 10 kB!). • Enhanced Graphical clock to show device status icons.
2.9	29-Oct-2007	<ul style="list-style-type: none"> • Should now work on the Palm Centro. • Added [Test>] button to TreoHour configuration form. • Correctly handles power-down (Power-off button) and other hard keys during chime. • More reliable sleep if device is woken-up by TreoHour.
3.0	29-Oct-2007	<ul style="list-style-type: none"> • More tone frequencies and beep duration setting.
3.1	30-Oct-2007	<ul style="list-style-type: none"> • Correctly handles The Treo Keyguard and Security Lock-out. The chime clock was not displayed for the specified time because of this.
3.2	30-Oct-2007	<ul style="list-style-type: none"> • Fixed residual problems with Treo Keyguard, code clean-up.
3.3	30-Oct-2007	<ul style="list-style-type: none"> • Fixed a problem where the Treo Keyguard was not reactivated on certain occasions.
3.4	1-Nov-2007	<ul style="list-style-type: none"> • "Flash LED" now works as it should, even if the LED is disabled.
3.5	2-Nov-2007	<ul style="list-style-type: none"> • Color selection support for Full-screen and Graphical clock displays.
3.6	5-Nov-2007	<ul style="list-style-type: none"> • LED Flash types added.

		<ul style="list-style-type: none"> • KeyGuard functionality added.
3.9	6-Nov-2007	<ul style="list-style-type: none"> • Implemented Appointments and Task counts in Full Screen display. Shows next appointment, if available.
4.1	7-Nov-2007	<ul style="list-style-type: none"> • Date format bug fixed. • Popup functionality. • Battery status and charging indication.
4.2	8-Nov-2007	<ul style="list-style-type: none"> • Fixed graphics and font problems caused in some applications (Phone, Blazer, CallRec etc.) • Code clean-up, smaller PRC, smoother operation. • Minor graphics re-layout.
4.4	9-Nov-2007	<ul style="list-style-type: none"> • Minor modifications so layout is not drastically altered on using fonts other than native fonts. • Added native gadgets display in KeyGuard display. • Fixed the 5-way Center key pass-through problem.
4.5	11-Nov-2007	<ul style="list-style-type: none"> • Added option "No clock on SMS alert". • Added ringer volume info display. • Added font selection for full screen clock. • Major rewrite of some routines. • Finally cleaned-up key handling routines. All key combinations work as expected. • Fixed the message and email counts problem.
4.6	17-Nov-2007	<ul style="list-style-type: none"> • Chime disable option. • Fixed interrupted simple beeps problem. • Support for MIDI chimes.
4.7	17-Nov-2007	<ul style="list-style-type: none"> • Implemented slider-unlock (touch display when keyguard is active).
4.8	18-Nov-2007	<ul style="list-style-type: none"> • Implemented slider-only unlock option. • Chime beep duration of 1/8 secs added. • Fixed a few subtle bugs introduced in v4.7.
4.9	24-Nov-2007	<ul style="list-style-type: none"> • Fixed some graphics related bugs.

5.0	03-Dec-2007	<ul style="list-style-type: none"> • Minor bug-fix in slider routine.
5.1	19-Mar-2008	<ul style="list-style-type: none"> • Centro compatible.
5.2	25-Mar-2008	<ul style="list-style-type: none"> • Centro compatible, additional variants.
5.5	15-Apr-2008	<ul style="list-style-type: none"> • "Bottom Line" clock added, removed ugly "Graphical" clock.
5.6	19-Apr-2008	<ul style="list-style-type: none"> • Smaller PRC than previous versions (~60 KB). • Several bug-fixes. • Larger date in Full Screen Clock display.
5.7	1-May-2008	<ul style="list-style-type: none"> • Reworked go-back-to-sleep routine. May only work with Treo 680 and later devices.

Acknowledgements

- MIDI translation of Westminster Chimes by *Kevin D. Cooke*.
- *Jaap Steilberg*, (author of the unbeatable WatchMaker and WatchMaker+) for helping me figure out a few things about PalmOS.
- Some icons used in TreoHour are from [Smashing Magazine](#).

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