

Tamoggemon Software

Binary Clock

Operators manual

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Preamble

Congratulations on purchasing/evaluating Binary Clock, the latest of the Tamoggemon offerings. This program is designed to serve you forever. Although Tamoggemon can not take any warranties for its function or can be held liable for any damages; no malfunctions have been reported in the beta phase.

Please read this manual carefully, it contains important information for making Binary Clock usage as comfortable as possible.

Purpose of Binary Clock

Ever wanted a new kind of clock? One that-um-wasn't like all the other ones people have? A clock that is easy to read for yourself, but impossible for third parties? Did you ever want a reliable alarm clock?

Binary Clock is your solution. Displaying digits in binary encoding and offering a reliable alarm clock, Binary Clock is sure to satisfy most of your clock related desires!

Program compatibility

Binary Clock is compatible with Palm powered handhelds running OS4 and better. A color, hires screen is not required, but is recommended for using advanced features of the program! A Fossil/Abacus WristPDA is required for WristPDA mode!

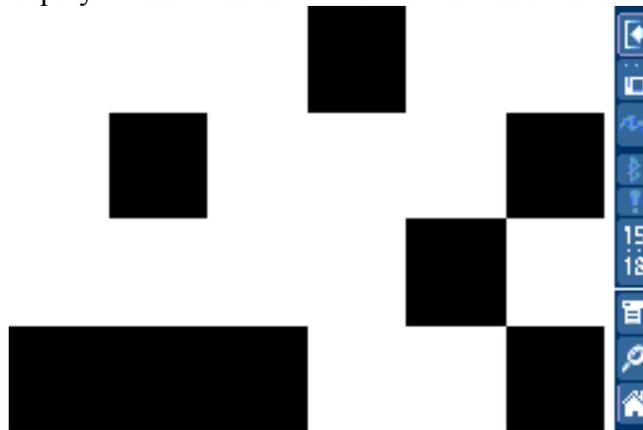
Installation

Install the file Binary Clock.prc from your distribution file onto the handheld's RAM. The alarm clock function will not work from a memory card due to PalmOS limitations.

If you wish to use FontBucket TrueType fonts, you will need to install FontBucket.prc and at least one set of fonts.

Reading the clock

Start Binary Clock to display the time. The application will automatically update itself every 100 msec to keep the displayed time current! Your screen will look like this:



As you see, the screen is divided into 6 columns. The first two columns indicate the hour, the middle columns indicate the minutes and the last two columns to the right display the seconds.

In addition, the screen is divided into four rows. The row at the very bottom has the value 1, the second to lowest the value 2, the one above it 4 and the one at the top of the screen 8.

Now, determining time is easy! You simply add up all the values that are highlighted in order to get the value of the column. Then, just “translate” all the columns to read the system time! The image above would result in:

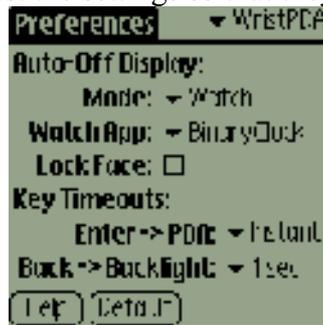
HH:MM:SS
(1)(1+4):(1)(8):(2)(1+4)
which leads us to
15:18:25

Reading a Binary Clock for the first time can indeed be confusing! However, it gets really easy and fast after a few times! Please also look at the Reading Aids section for tools that help reading the Binary Clock!

WristPDA mode

The Fossil WristPDA's operating system updates the currently running watchface once a minute. Thus, displaying seconds is not possible.

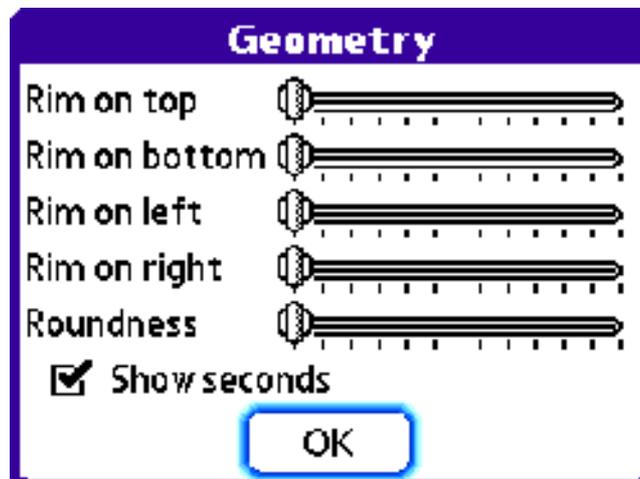
In order to use Binary Clock as a watch face, install it to your WristPDA. Afterwards, open Prefs and choose WristPDA. Adjust the settings so that they look like in the screenshot below:



When the WristPDA “falls asleep”, the Watch-mode Binary Clock will appear. It works exactly like the one described above, however, it does not have a seconds column.

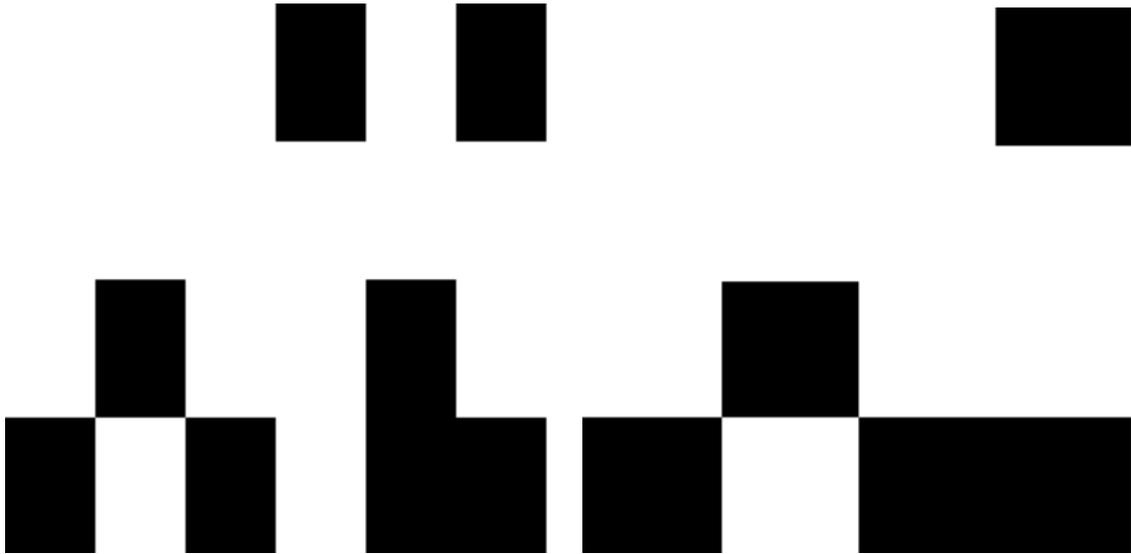
Customizing geometry

The “bubble’s” geometry can be adjusted. Hit the menu button of your handheld while the clock is displayed in order to access the main menu. A form similar to the one below will appear:



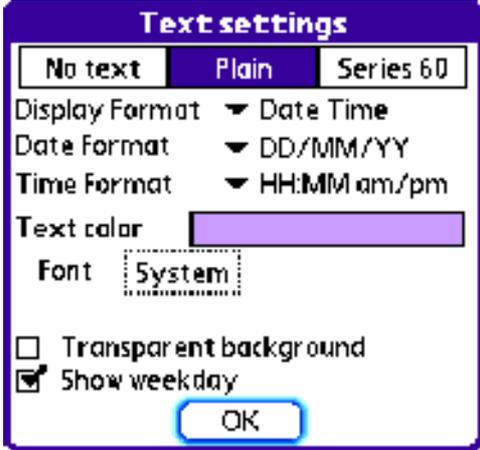
The sliders allow you to modify the shape of a bubble. The roundness makes the edges of the box rounder. The further right the slider, the rounder the bubble. The other properties take away space from the given side of the bubble. The further right you pull the slider, the slimmer the bubble will become.

The Show Seconds toggle lets you “disable” the seconds columns, leading to a “calmer” screen display. The image on the left shows BinaryClock with seconds, the one on the right without:



Customizing text display

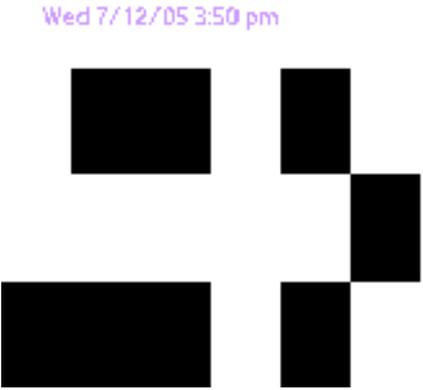
A text overlay can be placed over the clock to simplify reading the clock. Text display settings can be adjusted in the Text settings form accessible from the main menu. The form will look like this:



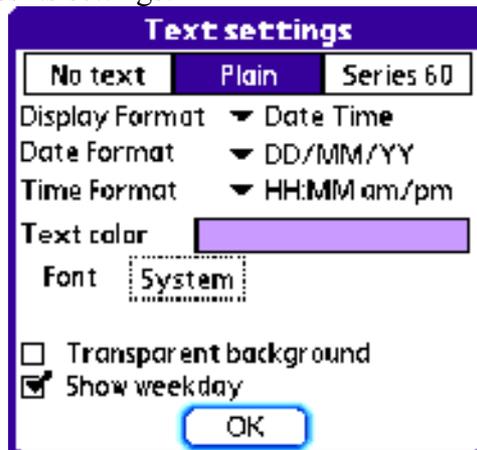
Use the rectangular buttons to choose the text module's operation. Choose No Text to disable the text overlay. There are two styles of text display:

Plain

Plain text display displays a simple text string at the left corner of the screen:

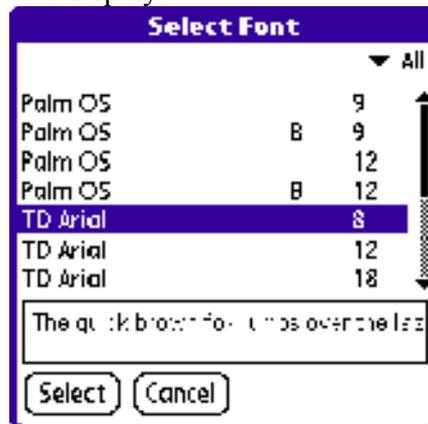


You can access the plain text module's settings in the text settings form. Just click Plain to enable the module and access its settings:

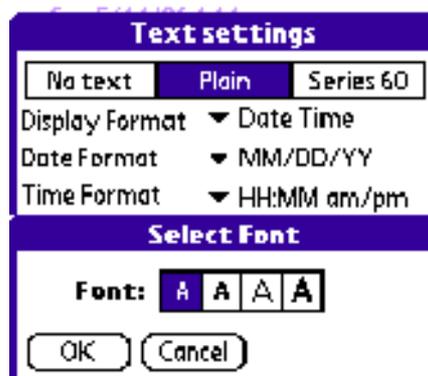


The foreground color of the text can be adjusted by clicking the coloured rectangle. This opens the Palm OS color selector. The display format toggle lets you select the way how time and date will be arranged on-screen. The time and date format toggles allow you to adjust the time and date formats. If the Show weekday checkbox is checked, the weekday will be designated by three letters.

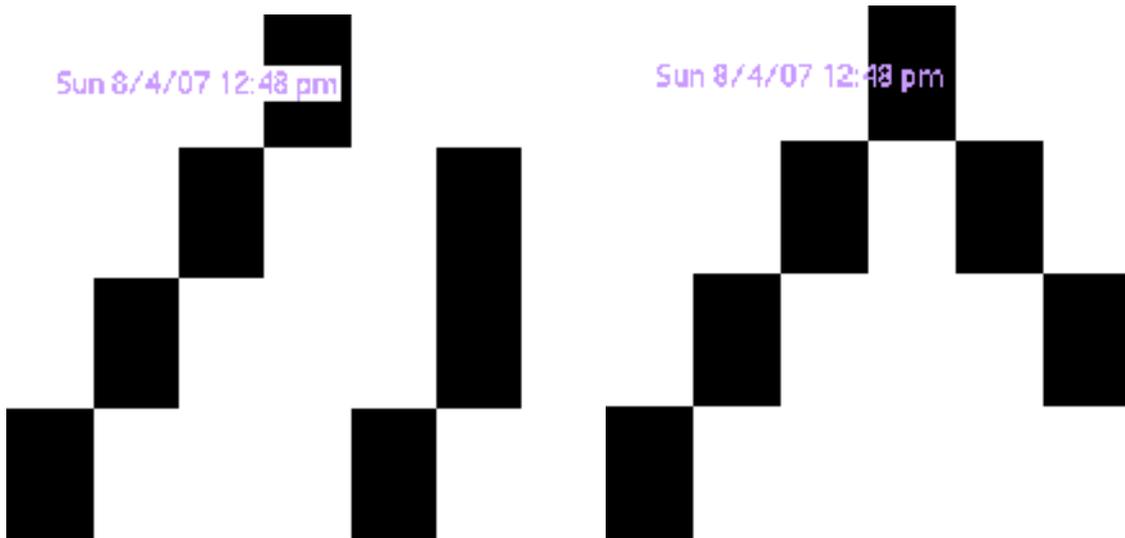
The Font rectangle lets you choose the font that you wish to use. If FontBucket is installed, the following form will pop up(it will look different on your machine). Choose one of the fonts and click ok to use it for text display.



If FontBucket is not installed, the regular Palm OS Font Selector will pop up:



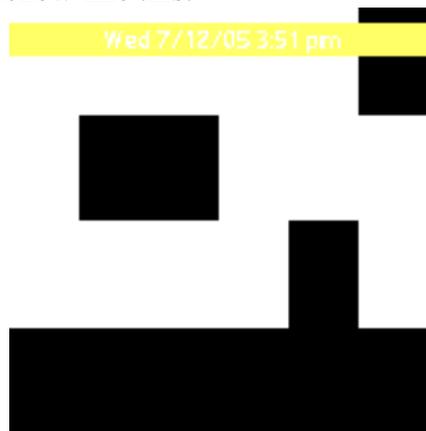
Checking Transparent background makes the background of the text transparent. The image on the left was shot with transparent background disabled, the one on the right with transparent background enabled:



Series 60

A color screen is needed for this feature!

Series 60 text display displays the text in a randomly colored bar that moves randomly over the screen. This will look somehow like this:



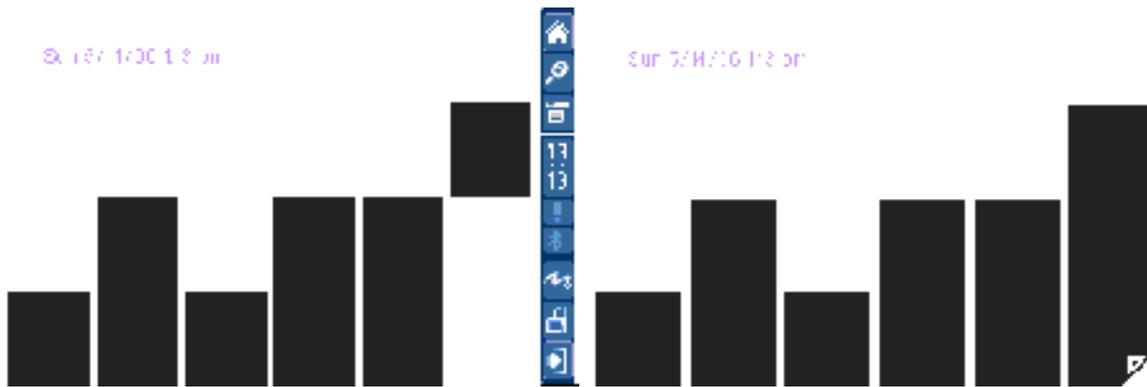
You can access the plain text module's settings in the text settings form. Just click Series 60 to enable the module and access its settings:

Text settings	
No text	Plain
Series 60	
Display Format	▼ Date Time
Date Format	▼ DD/MM/YY
Time Format	▼ HH:MM am/pm
Font	System
Movement	<input type="range"/>
<input checked="" type="checkbox"/>	Show weekday
OK	

Most of these controls are similar to the controls of the plain text module. Please read them up above! The Movement toggle allows you to choose the movement speed of the text bar.

Fullscreen mode

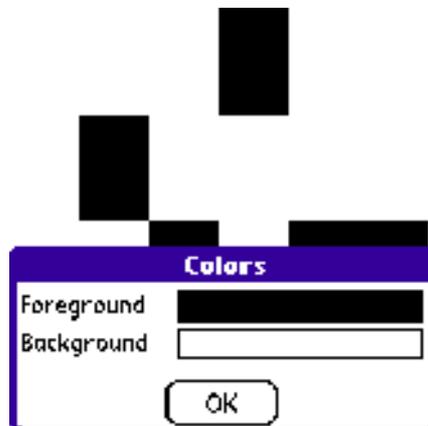
On hires+ handhelds, the status bar can be hidden by clicking the Full screen command in the main menu. Click the triangle at the bottom of the screen to close full screen mode.



Customizing display colors

A color screen is needed for this feature!

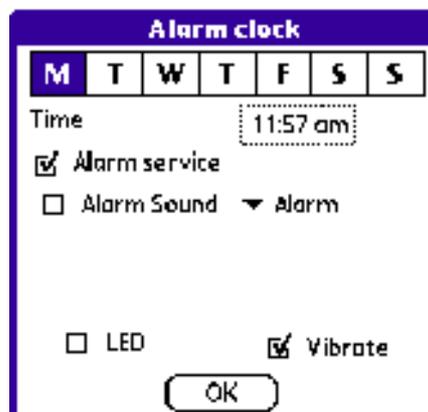
Handhelds with color screens can adjust the display colors for bubbles and background. Anyways, you can access the color configuration dialogue from the main form by pressing the Menu button of your handheld when the clock is displayed. Then, choose Color to access a form like the one below:



The colored boxes can be clicked to open the Palm OS color selector. You can then choose the appropriate color. The foreground color is the colors of the bubbles, the background color is the color of the screen not covered by bubbles.

Using the alarm clock

Binary Clock includes a full alarm clock. Access its settings by clicking the menu button in Binary Clock's main form. Then, choose Alarm Clock to access a form similar to the one below:



The top row of buttons labeled with weekdays let you choose which weekday's settings you want to modify. In the example above, the settings for Monday are open.

You can enable/disable the alarm service on a per-day basis with the alarm service checkbox. If it is unchecked, the alarm service is disabled and the controls described below are disabled! Click the rectangle to choose your alarm time!

You can choose your alarm sound with the dropdown list. Click it to choose your sound from the displayed selection. Unchecking the Alarm Sound checkbox enables “silent alarms”, this means that the handheld will vibrate, etc and pop up the alarm form, but will not play an alarm sound!

The LED checkbox allows you to enable LED flashing. It will not display if your handheld's LED is not supported.

The Vibrate checkbox allows you to enable vibration. It will not display if your handheld's vibrator is not supported.

Additional settings can be configured by choosing Alarm settings. A form similar to the one below will appear:



The remind number indicates how many times the alarm sound will be played. The snooze time is the delay given if the snooze button is clicked. If an alarm triggers, a form like the one shown below will be displayed above the active application:



Click the OK button to acknowledge the alarm and stop the sound. Click Snooze to postpone the alarm by the snooze time defined above.

WristPDA settings

A WristPDA device is needed for this feature!

Binary Clock for Palm OS can display the battery status in two different modes. Access the mode selector by opening the main menu and clicking Options->WristPDA.



Always permanently shows a battery symbol in the top right corner of the screen.

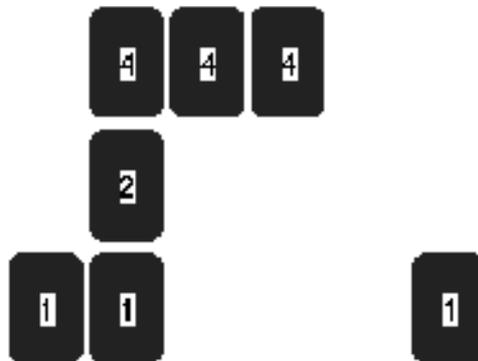
Low displays the standard WristPDA icons for low battery states at the top right of the screen if the battery gets low.

Reading aids

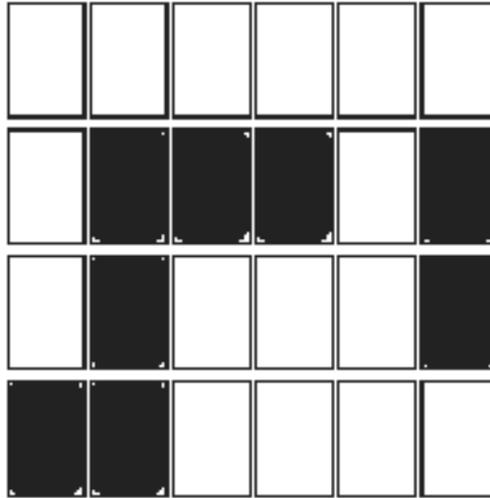
Binary Clock contains a few aids to help you get used to reading binary clocks. Access the Reading Aids menu via the Reading Aids menu:



Show Empty Bubble Values means that the values of active bubbles are displayed like in the screenshot below:



When the Empty Bubble Frame option is enabled, borders are drawn on the outside of boxes to simplify reading:



Using FontBucket

FontBucket(developed by HandsHigh Software) is used for TrueType font rendering in Binary Clock. You can fill FontBucket's font collection in two ways-downloading and converting fonts:

Downloading fonts

You can download pdb files containing fonts from the internet, for example from

<http://palmbinaryclock.com/download.php>

<http://www.handshigh.com/html/fbdownload.html>

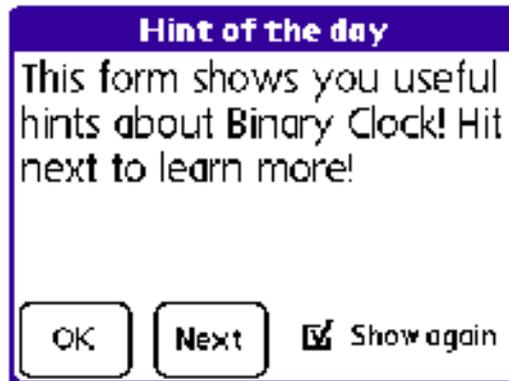
Then, install these files to your handheld's RAM via Hotsync or by copying them into RAM from an SD card.

Converting fonts

Alternatively, you can convert your own fonts on your Windows desktop machine. Please install FB.exe onto your PC and follow the onscreen instructions/the manual!

Hint of the day

Binary Clock contains a Hint of the Day form that shows you interesting aspects of Binary Clock in a short and compact form. It will open automatically when you start Binary Clock for the first time:



Click OK to close the form, and click Next to see the next hint. Uncheck the Show again checkbox to disable the automatic display next time.

You can open the hint form any time from the main menu!

Registering

Binary Clock is shareware. After the 14day evaluation period has expired, the program will cease to work on your handheld! Registering will restore it to a functioning state, and will also remove the nag alerts that are displayed when an unregistered version of the program starts up.

In order to register, a so-called Device ID is needed. This ID contains no personal data from your Palm OS handheld; it only serves as a unique identifier for the handheld you are currently using. Obtain the device ID by clicking the register button in the main screen (if the evaluation period has expired, the form will pop up when you start Binary Clock)-a form similar to the one below will show up:



Please note the Device ID carefully, and do not ignore spaces (like the one behind 1) or capitalization. Then, visit MobiHand's (<https://www.mobihand.com/cart1.asp?posid=1&pid=7725>) Binary Clock section for information about purchasing the program.

After payment has been received, Tamoggemon Support will ship out an unlock key with further instructions for unlocking the program.

Note: Since the device ID contains information about the handheld type that you use, Tamoggemon Support is needed in order to create a new unlock key if you upgrade to another type of handheld.

Feedback/Support

Do you have unanswered questions? Does Binary Clock miss a feature you would want to use? Did you run into a bug maybe? Did you swap devices and need a new reg code? Contact Tamoggemon Tech Support with all issues at Tamog@gmx.at and describe your needs. If you want to request a port or want to report a bug, please give as many details about your system, etc-screenshots are gladly accepted. Tamoggemon Software guaranties that all incoming emails are read and processed as appropriate.