

The KWorldClock Handbook

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Abstract

KWorldClock is an application that shows which parts of the world are currently experiencing daylight, and which parts are currently in night. It also shows the current time in a range of cities around the world.

Chapter 1

Introduction

KWorldClock is an application that shows which parts of the world are currently experiencing daylight, and which parts are currently in night. It also shows the current time in a range of cities around the world.

Please report any problems or feature requests to the KDE mailing lists.

Chapter 2

Using KWorldClock

2.1 The main display

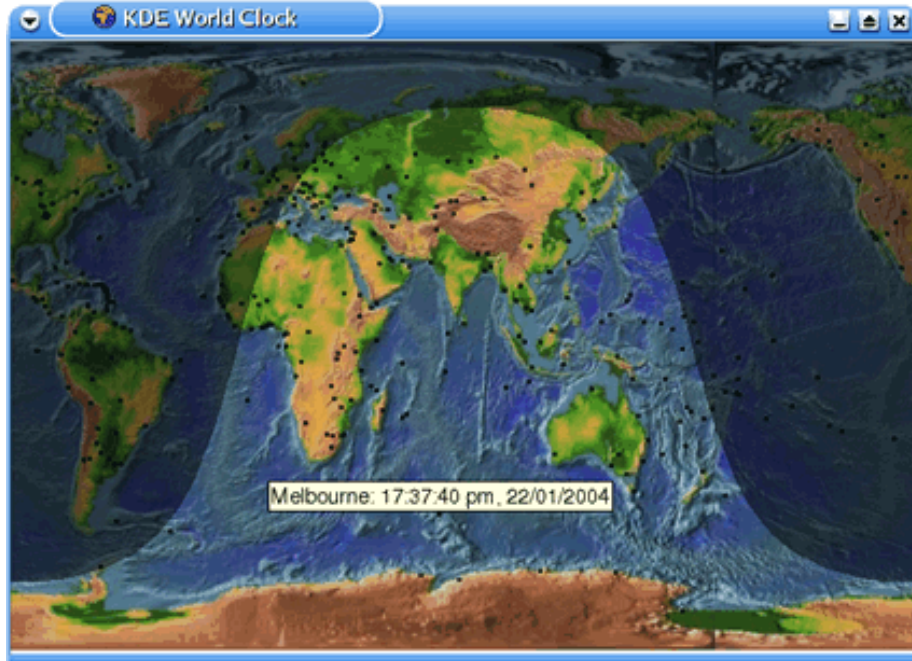
When you start KWorldClock, you will see a small window appear, as shown below.



The light section (which in the screenshot above covers Antarctica, Australia, eastern and southern Africa and most of Asia; plus the Indian Ocean and the western part of the Pacific Ocean) shows the area that is currently experiencing daylight, while the darker section (which in the screenshot above covers western Europe, North and South America, and the Arctic zone) shows the area that is currently experiencing night. The border between the dark and light section is the area that is experiencing morning or evening twilight.

Each small black square indicates a city or population centre. If you locate the mouse over (or near) one of the black squares, you will see the date and time that is current for that location. In the screenshot above, the tiny island of Pitcairn is shown.

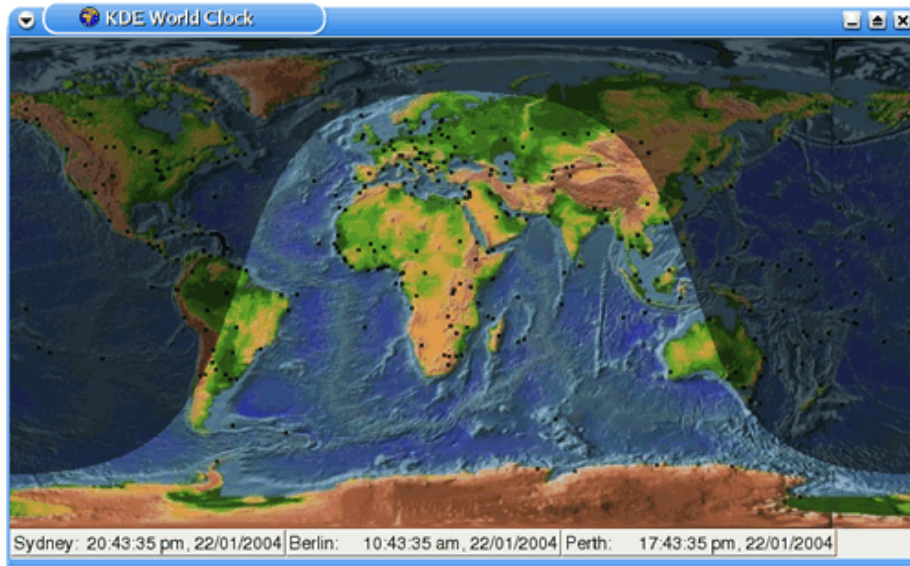
You may find it more convenient to expand the window, so that there is more space between the various squares. Remember that you can expand the window by either clicking on the maximise button (second button from the right in the top right hand corner) or by using the mouse to drag the corner of the main window. An expanded window, with Melbourne (Australia) now selected, is shown below.



2.2 Configuring KWorldClock with timezone clocks

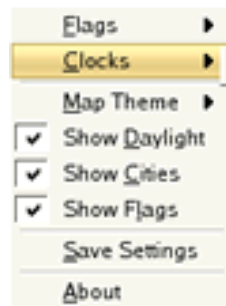
If you need to know the time in a number of areas around the world, it may be useful to have KWorldClock show the applicable times. An example of how this can look is shown below.

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Note the clocks for Perth, Sydney and Berlin at the bottom of the main KWorld-Clock window.

These clocks are added by using the right mouse button, and selecting the Clock entry, as shown below.



This will allow access to the Add... selection, which will bring up a dialog box as shown below. The contents of the dialog box are determined from the closest city to the mouse cursor when you make the selection.

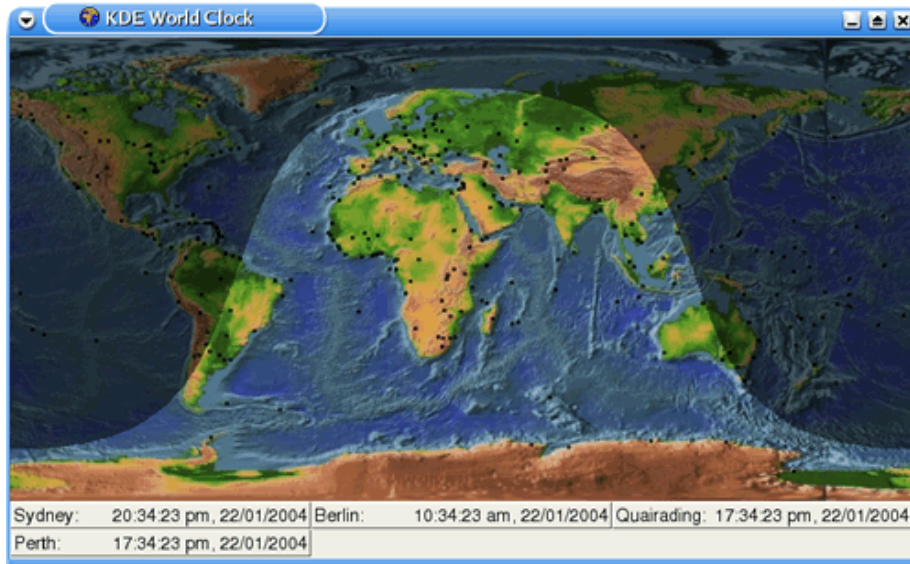
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You can now make an appropriate selection for the clock label and the timezone. Note that you can change the label to whatever is appropriate, and the timezone as required. An example, for the small Australian town of Quairading, is shown below.



When you select OK, the clock entry is added to those at the bottom of the main window. A screenshot, with the extra entry for Quairading, is shown below.

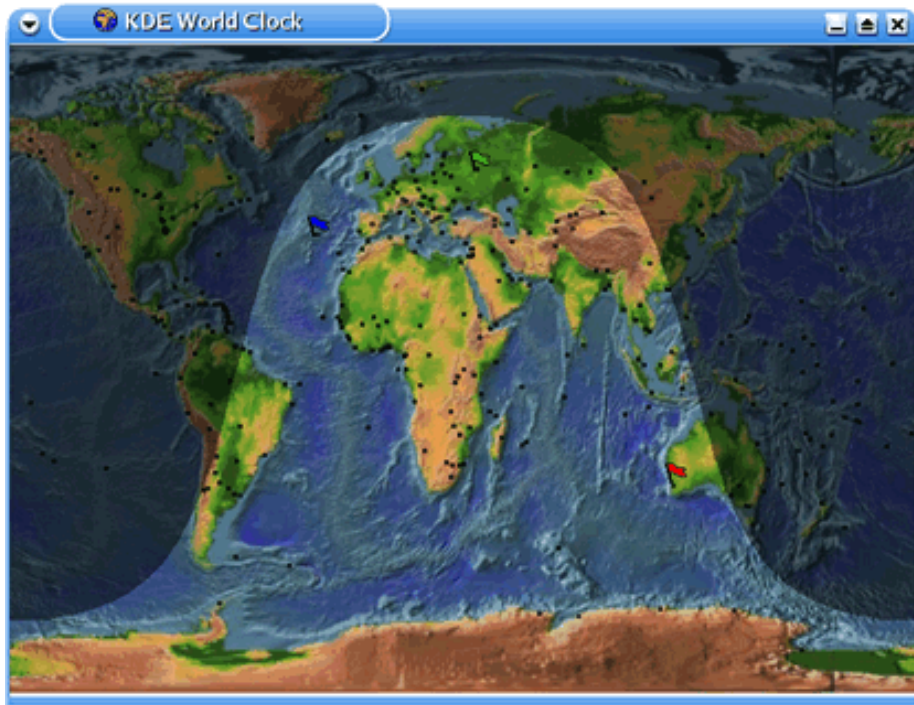


You might notice that Perth and Quairading are now showing the same information (since they are in the same timezone). In this case, the Perth entry is no longer required, so it can be removed. This can be done by again using the right mouse button on the clock display, and selecting the Remove item.

You can also edit entries by using the Edit... entry on right mouse button menu, which may be useful for making minor changes.

2.3 Adding Flags to the KWorldClock display

As shown in the screenshot below, you can add flags to places on the map (in this case, Fremantle near Perth, Western Australia; near Moscow in Russia; and the Azores in the mid-Atlantic). These flags don't affect any other functionality - they just allows you to quickly locate places of interest.



You add flags by locating the mouse at the point where you want to appear, and using the right mouse button to select the the Flags... entry. You can select one of the three pre-defined flag colours (that is, Add Red, Add Green or Add Blue), or you can select a custom colour.

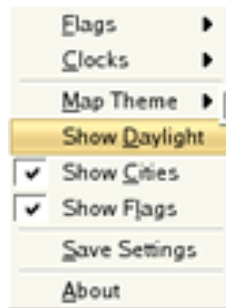
You use the same menu action to remove just one flag (whichever one is closest to the mouse when you make the Remove Flag selection; or to remove all the flags, using the Remove All Flags.

2.4 Changing the KWorldClock display

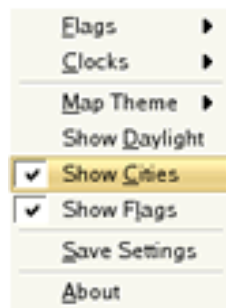
In addition to the additional clocks and flags, there are other minor variations you can make to the main KWorldClock display, such as not showing the flags, not showing the small black city squares, and not showing the day / night areas. Each of these is selected using the right mouse button menu.

To enable and disable the display of the day / night sections, you use the right mouse button, and select the Show Daylight item from the menu. Each time you select it, the selection will be toggled. When showing day and night is enabled (normal mode on first startup), there will be a small check mark (tick symbol) next to the Show Daylight. An example of the menu item (with day / night not enabled, hence no check mark) is shown below.

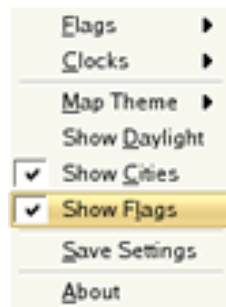
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To enable and disable the display of the small black city squares, you use the right mouse button, and select the Show Cities item from the menu. Each time you select it, the selection will be toggled. When showing cities is enabled (normal mode on first startup), there will be a small check mark (tick symbol) next to the Show Cities. An example of the menu item (with city display enabled, hence a check mark) is shown below.



To enable and disable the display of the flags, you use the right mouse button, and select the Show Flags item from the menu. Each time you select it, the selection will be toggled. When showing flags is enabled (normal mode on first startup), there will be a small check mark (tick symbol) next to the Show Flags. An example of the menu item (with flags enabled, hence a check mark) is shown below.



After reconfiguring KWorldClock, you may wish to save your settings. This is done using the right mouse button, and selecting the Save Settings option.

2.5 Selecting alternative maps

In addition to the normal surface depth map, you can add additional maps, which can be selected using the Map Theme item from the right mouse button menu. KWorldClock comes with a single map, which provides surface depth (relief). Additional maps can be obtained from <http://www.radcyberzine.com/xglobe>. Maps need to be appropriately installed - typically into `share/apps/k-worldclock/maps` under the main KDE directory. Consult your system administrator for assistance in doing this, if required.

If you want to use your own map, you should make sure that Greenwich is exactly in the middle of the map, and provide an appropriate desktop file.

Chapter 3

Developer's Guide to KWorldClock

The most common requirement for development of KWorldClock is to add additional cities to the map. The cities are determined by a file named `zone.tab`, which is located under `share/apps/kworldclock` under the main KDE directory.

To add an additional city, you need to know the latitude and longitude, and also the applicable time zone information. There is additional information on the exact format required in the `zone.tab` file.

Chapter 4

Credits and License

KWorldClock

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Appendix A

Installation

A.1 How to obtain KWorldClock

KWorldClock is part of the KDE project <http://www.kde.org/> .

KWorldClock can be found in the kdetoys package on <ftp://ftp.kde.org/pub/kde/> , the main FTP site of the KDE project.

A.2 Compilation and Installation

In order to compile and install KWorldClock on your system, type the following in the base directory of the KWorldClock distribution:

```
% ./configure
% make
% make install
```

Since KWorldClock uses **autoconf** and **automake** you should have no trouble compiling it. Should you run into problems please report them to the KDE mailing lists.