

# Klock

## Table of contents

---

Introduction .....	3
Welcome .....	3
Getting Started .....	4
System requirements .....	4
Getting help .....	4
Thingy-ma-bobs .....	5
Fuzzy Time .....	5
Analogue Klock .....	6
Small Text Klock .....	8
Big Text Klock .....	8
World Klock .....	9
Countdown .....	10
Timer .....	11
Reminder .....	12
Friends .....	13
Events .....	14
Memo .....	15
Convert .....	16
Menu .....	17
File .....	17
Time .....	17
Monitor .....	18
Info .....	19
Help .....	23
System Tray .....	24
Status bar .....	25
Options .....	26
Global .....	27
Notification .....	28
Time .....	28
Analogue Klock .....	30
Text Klock .....	30
Other Stuff .....	31
Archive .....	33
Events .....	34
Memo .....	34
Hot Keys .....	35
License .....	35
Credits .....	47

## Introduction

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# Klock - A clock with a K

A multifunction timing thingy, where some [but not necessary all] of the functions are useful.

The multifunction timing thingy is split into eight Thingy-ma-bobs - Fuzzy Time, World Klock, Countdown, Timer, Reminder, Friends, Events, Memo & Conversions.

Kevin scott

Klock

A Help gubbins for the time thingy. Build 66.

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## Welcome

# Welcome To Klock

Kevin scott

Klock

A Help gubbins for the time thingy. Build 66.

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## Getting Started

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Klick on Klock.

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## System requirements

### System Requirments

Should just about work on any Microsoft Windows machine - if it can run the help, it should run Klock.

Klock has been tested on Windows 7, 10. [Does anybody use anything else, these days.]

Klock needs at least .NET 4, get from your favourite Microsoft site.

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## Getting help

### Getting Help

Press help [or press F1] to get this document.

Document also located in the application directory [both chm & pdf formats].

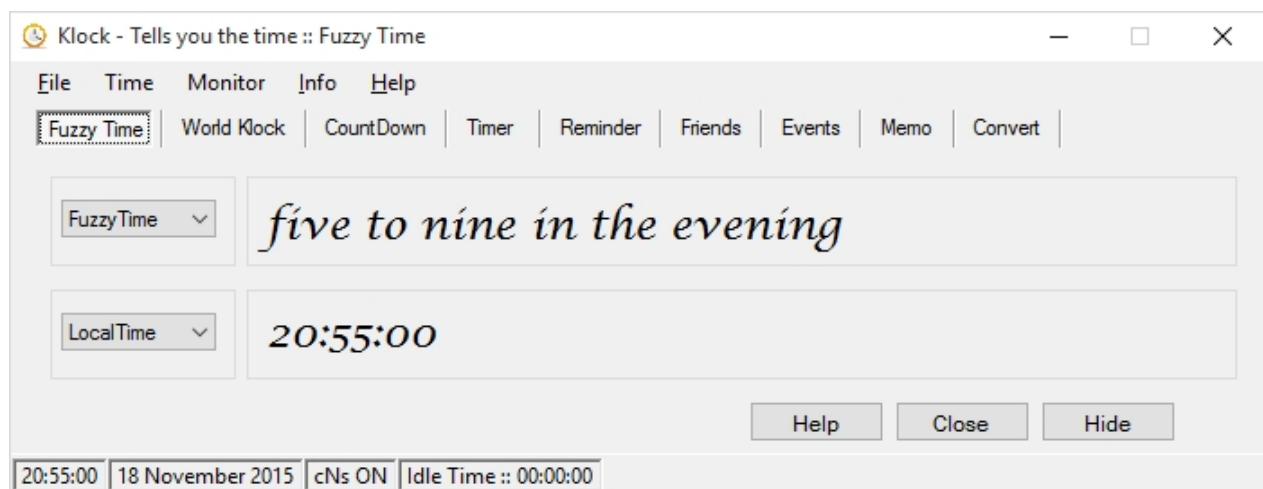
## Thingy-ma-bobs

There are separate thingy-ma-bobs for

- Fuzzy Time
  - Analogue Klock
  - Small Text Klock
  - Big Text Klock
- World Klock
- Countdown
- Timer
- Reminder
- Friends.
- Events
- Memo
- Convert

## Fuzzy Time

### Fuzzy Time



Allows the current time to be displayed in a number of different formats.

Image shows the ability to display two different time formats. Default time formats for both displays can be

pre-set in the time options.

NB: The time can be displayed in two different forms of hex time.

Hex time is just current [local] time display in hexadecimal format

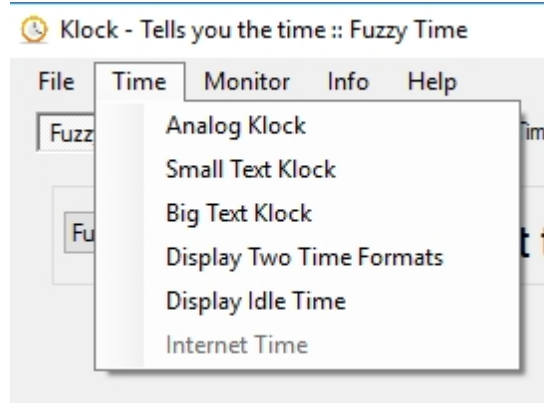
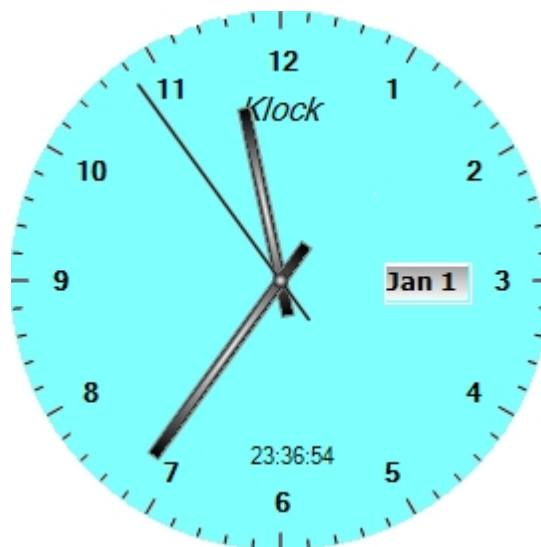
Where True Hex Time, divides the day into 16 hours of 256 minutes of 16 seconds.

System idle time can also be displayed in the status bar - this is enabled in the time options screens [or ALT F7/ ALT F8].

See Status Bar for details on the status bar information.

## Analogue Klock

### Analogue Klock



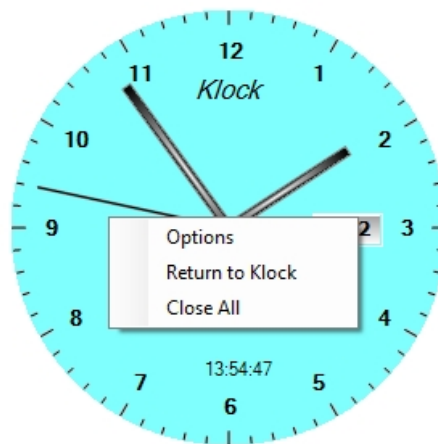
Selecting the Analogue Klock option from the Time menu, display the above Analogue Klock.

Analogue Klock can be also started by pressing Alt + F3 while Klock is running.

Analogue klock can be closed, and Klock restored, by pressing close on the screen or by pressing Alt + F6.

The Analogue klock can be customised in many ways - see the Analogue options screen - some of the options will work in real time. i.e. the user can select if the digital time, date or background will be displayed.

Right clicking on the Analogue Klock, brings up a context menu.



This will allow the option screen to be loaded, the Analogue Klock can be exited to the main klock or the application can be terminated.

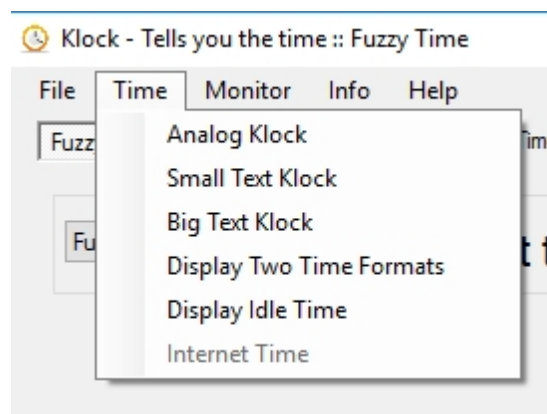
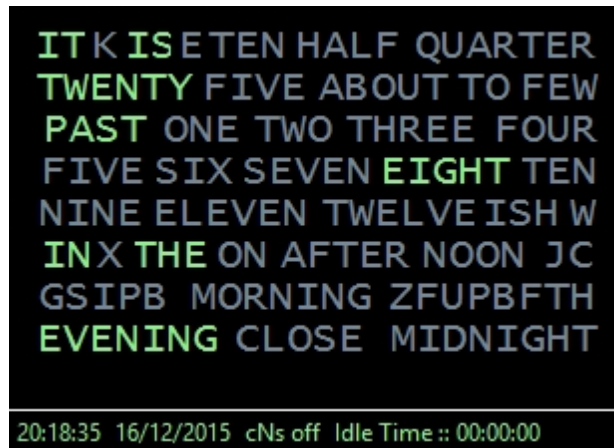
Shown below is the Analogue klock with a background image, a selection are in the images folder within the klock application folder - but any image can be selected. Klock will try any fit the image to the dial.



Note, If a background image is chosen, it is best to also select transparency. The fit is not that good - work to do.

## Small Text Klock

# Small Text Klock



Selecting the Small Text Klock option from the Time menu, display the above Small Text Klock.

Small Text Klock can be also started by pressing Alt + F4 while Klock is running.

Small Text Klock can be closed, and Klock restored, by pressing close on the screen or by pressing Alt + F6.

The colours of the words and the background can be changed - see options.

See Status Bar for details on the status bar information.

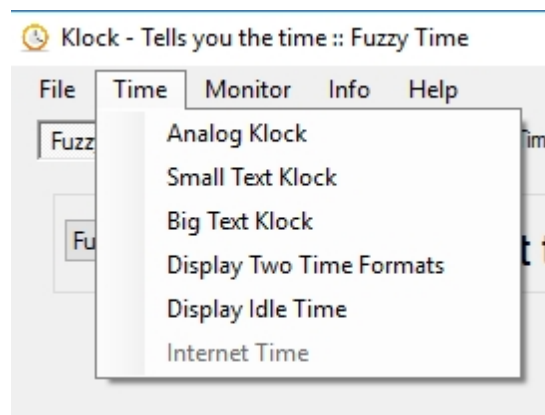
## Big Text Klock

# Big Text Klock



Sunday Monday Tuesday Wednesday Thursday Friday Saturday the first second third fourth fifth sixth seventh eighth ninth tenth eleventh twelfth thirteenth fourteenth fifteenth sixteenth seventeenth eighteenth nineteenth twentieth twenty-first twenty-second twenty-third twenty-fourth twenty-fifth twenty-sixth twenty-seventh twenty-eighth twenty-ninth thirtieth thirty-first of January February March April May June July August September October November December 2015, one two three four five six seven eight nine ten eleven twelve o'clock in the Morning Afternoon Evening And one two three four five six seven eight nine ten eleven twelve thirteen fourteen fifteen Noon sixteen seventeen eighteen nineteen twenty twenty-one twenty-two twenty-three twenty-four twenty-five twenty-six twenty-seven twenty-eight Midnight twenty-nine thirty thirty-one thirty-two thirty-three thirty-four thirty-five thirty-six thirty-seven thirty-eight thirty-nine forty forty-one forty-two forty-three forty-four forty-five forty-six forty-seven forty-eight forty-nine fifty fifty-one fifty-two fifty-three fifty-four fifty-five fifty-six fifty-seven fifty-eight fifty-nine Minute Minutes And one two three four five six seven eight nine ten eleven twelve thirteen fourteen fifteen sixteen seventeen eighteen nineteen twenty twenty-one twenty-two twenty-three twenty-four twenty-five twenty-six twenty-seven twenty-eight twenty-nine thirty thirty-one thirty-two thirty-three thirty-four thirty-five thirty-six thirty-seven thirty-eight thirty-nine forty forty-one forty-two forty-three forty-four forty-five forty-six forty-seven forty-eight forty-nine fifty fifty-one fifty-two fifty-three fifty-four fifty-five fifty-six fifty-seven fifty-eight fifty-nine Second Seconds close

20:24:07 16 December 2015 cNs off Idle Time :: 00:00:00



Selecting the Big Text Klock option from the Time menu, display the above Big Text Klock.

Big Text Klock can be also started by pressing Alt + F5 while Klock is running.

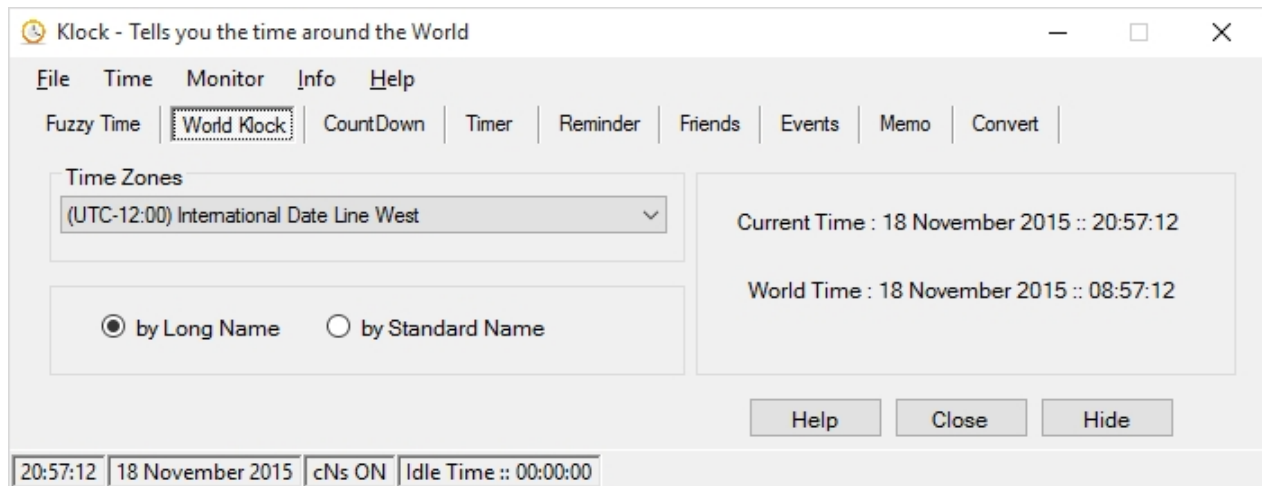
Big Text Klock can be closed, and Klock restored, by pressing close on the screen or by pressing Alt + F6.

See Status Bar for details on the status bar information.

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## World Klock

# World Klock

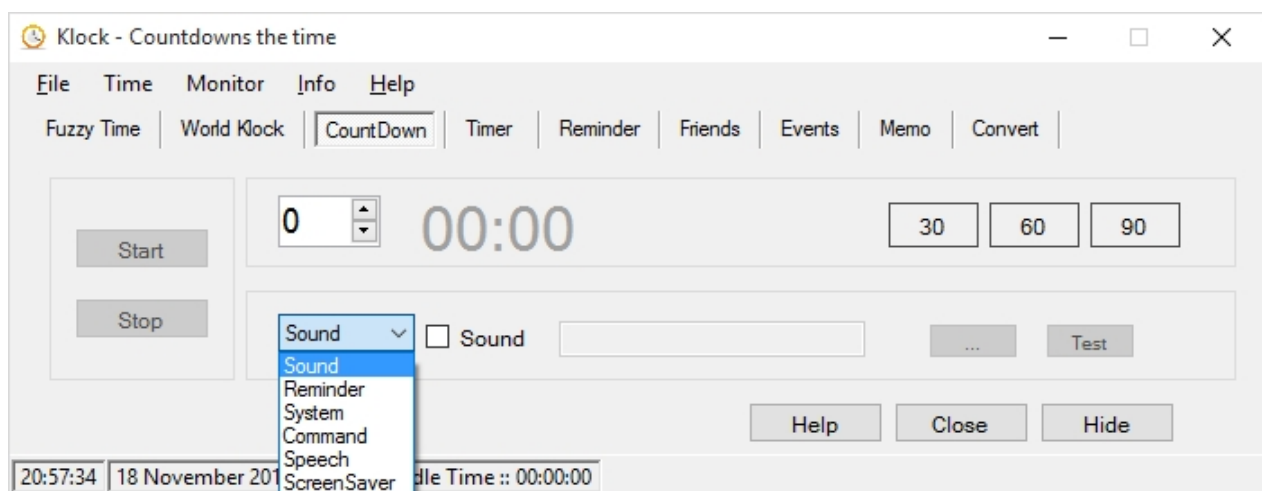


Allows the time from a selected Time Zone to be displayed.

The time zone can either be displayed as long or standard name.

## Countdown

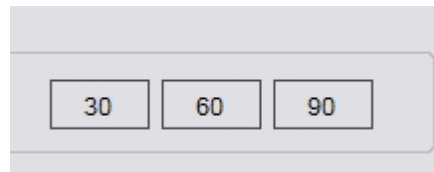
# Countdown



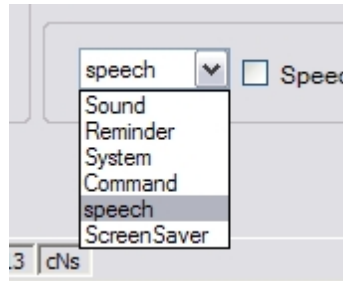
Implements a simple countdown timer [between 1 and 90 minutes].

The time for the countdown can be either entered directly or the up/down controls can be used.

The timer can be paused during countdown and stopped before the end is reached.

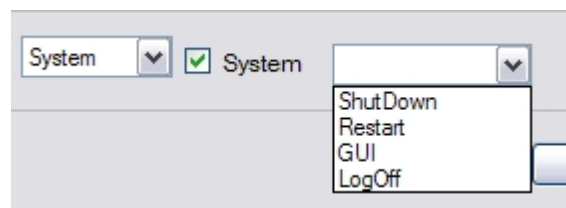


The three quick start buttons, count down from 30, 60 or 90 minutes.



At the end of the countdown, the following can be selected :-

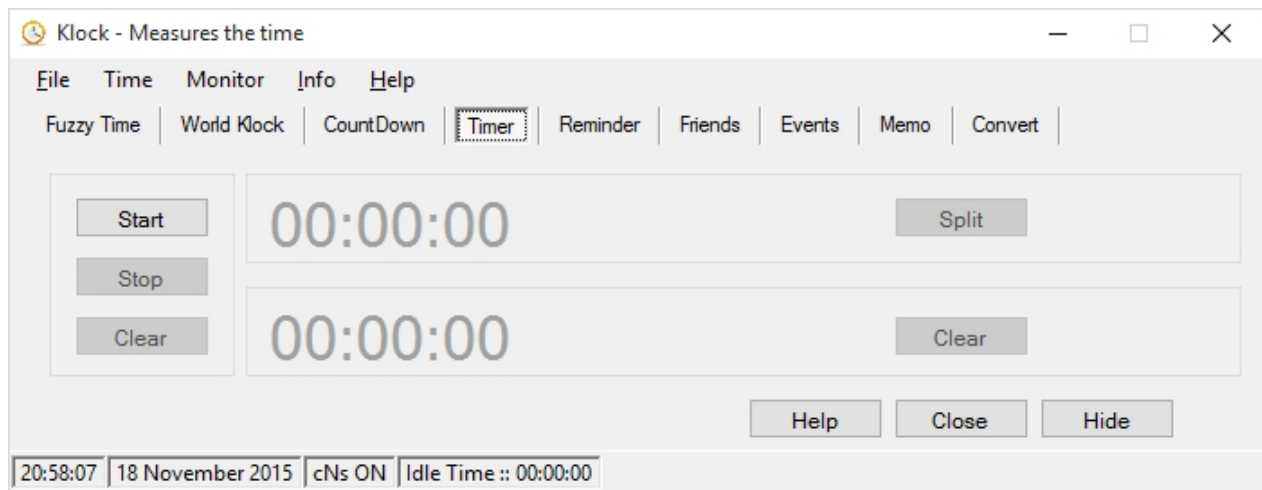
- A Sound can be played.
- A Reminder can be displayed.
- A System command can be run [System Shut Down, System Re-Start, Log Off current user or the selectable GUI.
- A External Command can be run.
- A Text to Speech can be run.
- The current selected windows screen saver can be run.



System command menu.

## Timer

# Timer



Implements a simple timer, with split time function.

The timer can be stopped, paused and resumed.

A split function allows for a given time to be remembered.

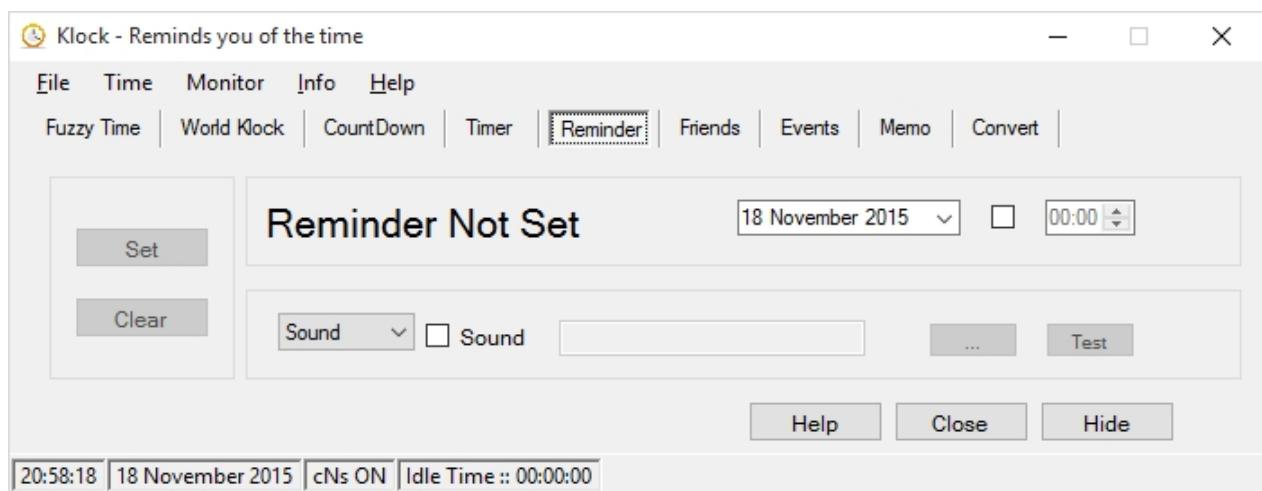
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## Reminder

### Reminder



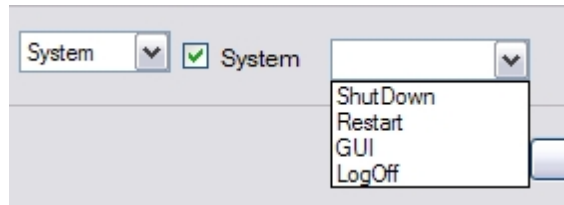
Implements a reminder option.

Today's date is default, but a future date can also be selected. A time can also be added to the reminder date.

If no time is added, the reminder will fire at midnight.

When the reminder is due, the following can be selected :-

- A Sound can be played.
- A Reminder can be displayed.
- A System command can be run [System Shut Down, System Re-Start, Log Off current user or the selectable GUI.
- A External Command can be run.
- A Text to Speech can be run.
- The current selected windows screen saver can be run.

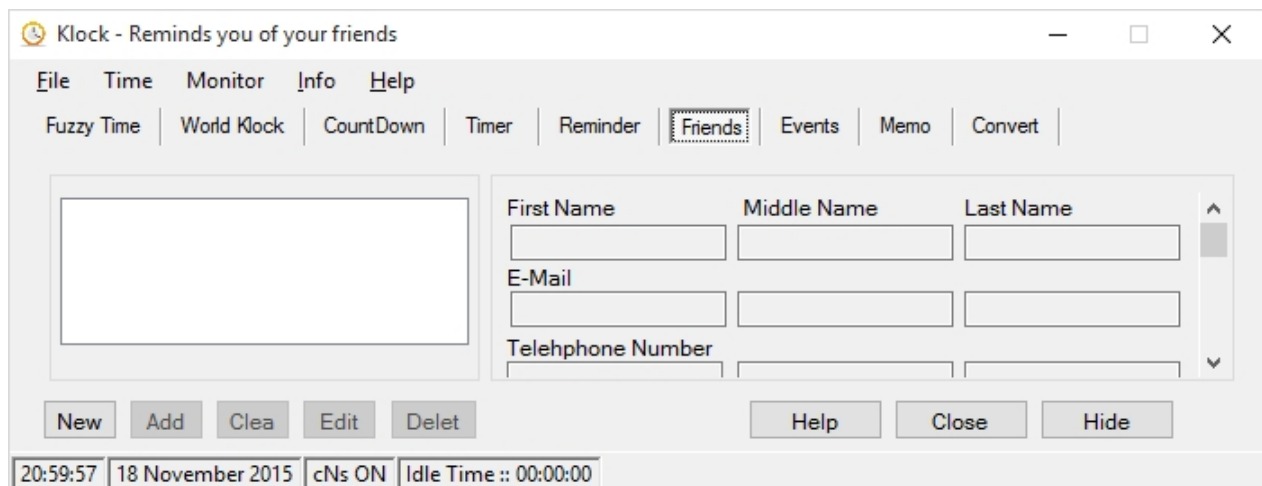


System command menu.

Note : Setting the time to 00:00, indicates midnight of the previous day so will not enable the set button. To set a reminder for midnight of today, disable the time and pick tomorrow's date. 00:00 indicates zero minutes into the present day.

## Friends

# Friends



Implements a simple Contact [Friends] database.

Friends can be added, edited or deleted.

Each friend can have up to three e-mails and telephone numbers, an address, a date of birth, a web site and a memo section for notes.

Pressing F12 with the Friends tab visible, will show the total number of friends klock knows about.

The screenshot shows the Klock application window titled "Klock - Reminds you of your friends". The menu bar includes File, Time, Monitor, Info, and Help. The toolbar contains buttons for Fuzzy Time, World Klock, CountDown, Timer, Reminder, Friends (which is highlighted), Events, Memo, and Convert. The main area is divided into two sections: a large empty box on the left and a form on the right. The form includes fields for Home Page, Date of Birth (with a calendar icon), and Notes. There is an "Add to Events" checkbox next to the Date of Birth field. At the bottom of the form are buttons for New, Add, Clea, Edit, and Delet. Below the form are buttons for Help, Close, and Hide. The status bar at the bottom shows the time 21:00:09, the date 18 November 2015, and the status cNs ON and Idle Time :: 00:00:00.

If Add to Events is checked and a Date of Birth is entered - the person birthday will be entered as event - see later.

The friends file-name and location can be changed in the option screen.  
A Zip archive can then be save and re-loaded of this file

## Events

# Events

The screenshot shows the Klock application window titled "Klock - Reminds you of important events.". The menu bar includes File, Time, Monitor, Info, and Help. The toolbar contains buttons for Fuzzy Time, World Klock, CountDown, Timer, Reminder, Friends, Events (which is highlighted), Memo, and Convert. The main area is divided into two sections: a large empty box on the left and a form on the right. The form includes fields for Event Name, Event Date (with a dropdown menu showing 18 November 2015), and Event Type (with a dropdown menu showing Anniversary). There is an "Event Notes" text area below these fields. At the bottom of the form are buttons for New, Add, Clea, Edit, and Delet. Below the form are buttons for Help, Close, and Hide. The status bar at the bottom shows the time 21:00:25, the date 18 November 2015, and the status cNs ON and Idle Time :: 00:00:00.

Implements a simple Events database.

Friends can be added, edited or deleted.

Events types can be - Birthday, [Wedding] Anniversary, Holiday, Motor, Appointment, Meeting, On Off Event and Other.

If the type entered is a Birthday or Anniversary - the original year should be used. Klock can then work out the age of the person or suggest the type of wedding anniversary present.

If the event is not to be recurring [i.e. a one off] the event is not [yet] automatically deleted. This has to be done manually.

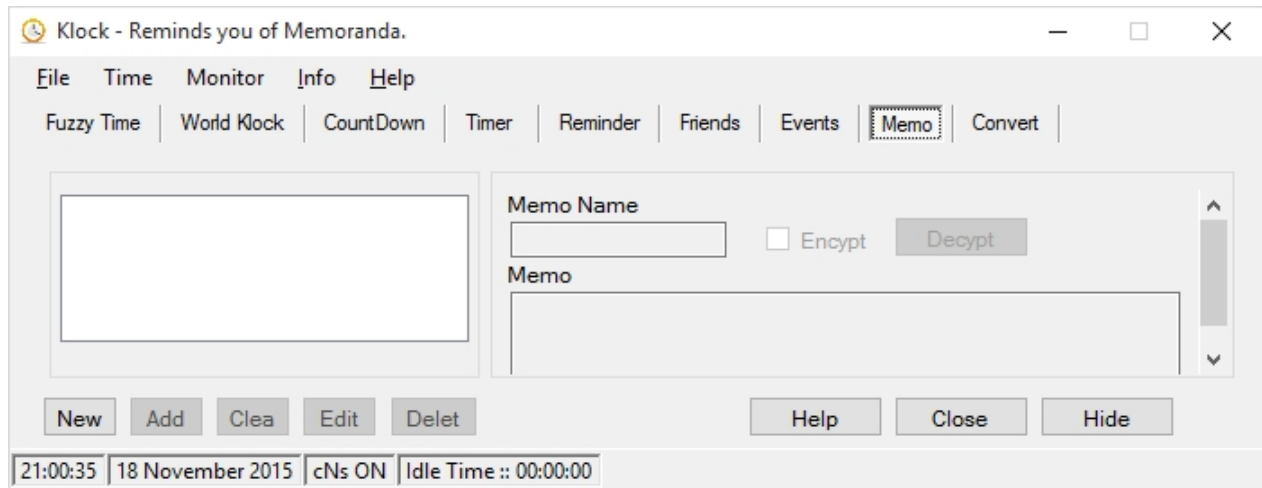
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## Memo

# Memo



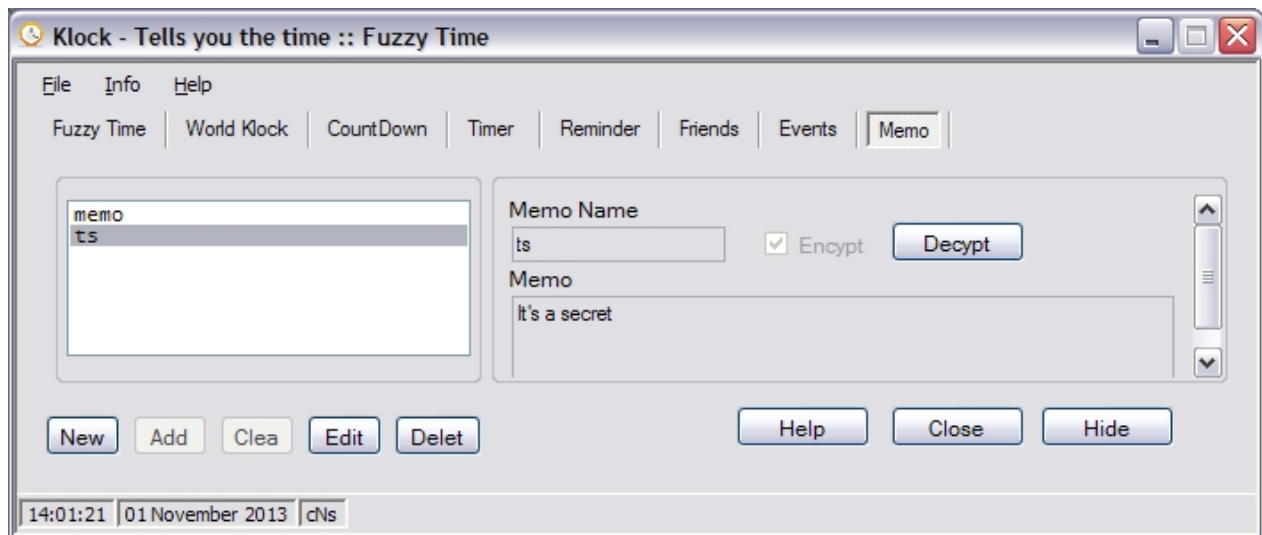
Implements a simple memo database.

Memo's can be added, edited or deleted.



A secret memo can be created by checking the Encrypt. A password will then be requested [if required].

From options, a default password can be selected, this will then be used on all encryption and decryption. This not exactly secure, but will deter people your memo's over you shoulder.

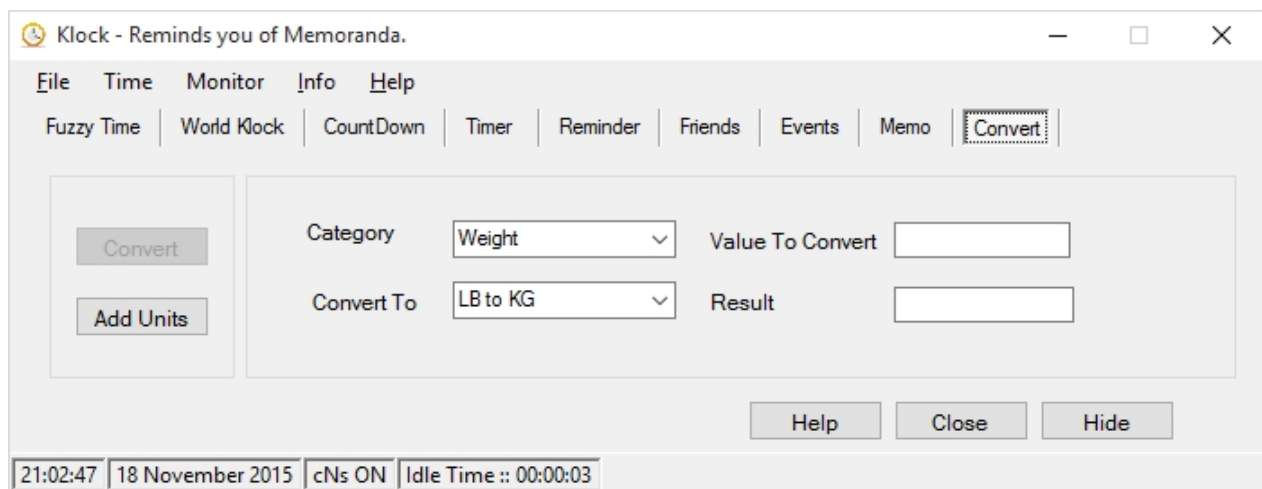


The decrypt button is only available for a secret memo, it will temporary display the memo in clear text. This is default to 30 seconds, but the time out interval can be changed in options.

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## Convert

# Convert



Implements a simple Conversion programme.

Different conversion can be selected from different categories.

More conversions can be added by using the Add Units button. This loads the units text file into the systems default text editor. New conversions can then be added - NOT the format, this is important.

If the text file goes missing, a default one will be re-created on the next klock load. In fact a default one is created on the first run of klock.

The units file is also included in archives of the data files.

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## Menu

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There are separate Menus for

- File
- Time
- Monitor
- Info
- Help

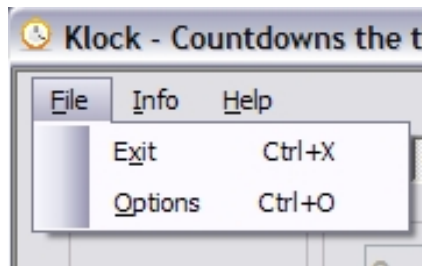
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## File

### File



Allows selection of

- Exit - exist Klock.
- Options - loads the options screen.

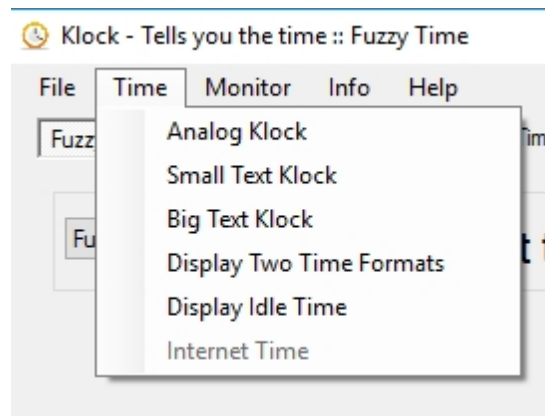
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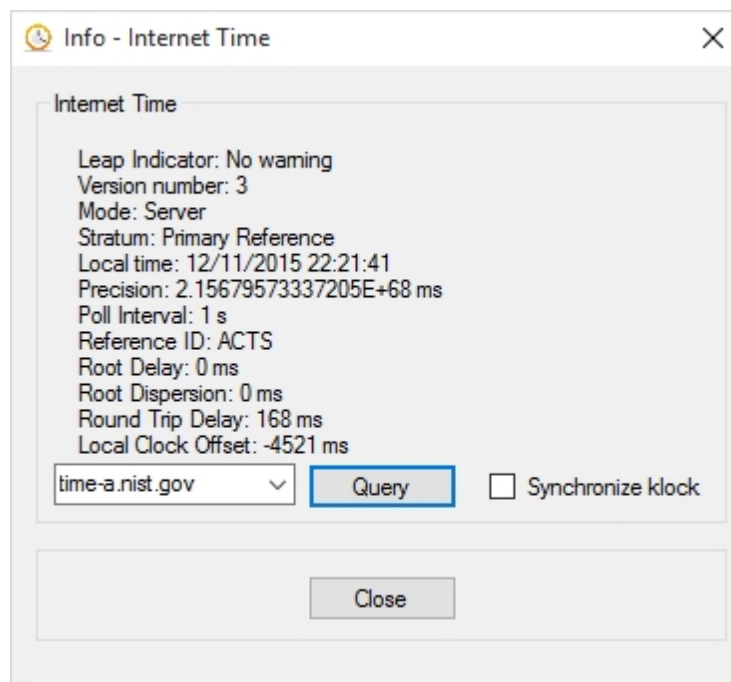
## Time

### Time



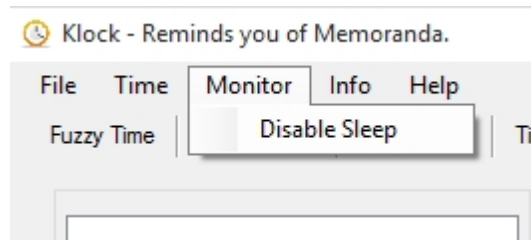
Allows selection of

- Analogue Klock - display a Analogue Klock [Time & Date] in a separate window, moving main Klock to the system tray..
- Small Text Klock - display a Text Klock [Time] in a separate window, moving main Klock to the system tray..
- Big Text Klock - display a Text Klock [Time & Date] in a separate window, moving main Klock to the system tray..
- Display Two Time Formats.
- Display Idle Time - display system idles time in the status bar.
- Display Internet Time - will query an internet time server [if connected to the internet]



## Monitor

# Monitor



Allows selection of

- Disable sleep - prevents the monitor going into sleep mode.

When preventing the monitor going to sleep, if the idle time is being displayed, this idle time will be displayed in red.

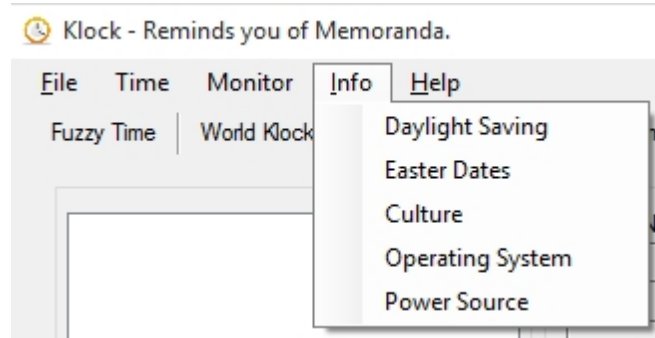
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## Info

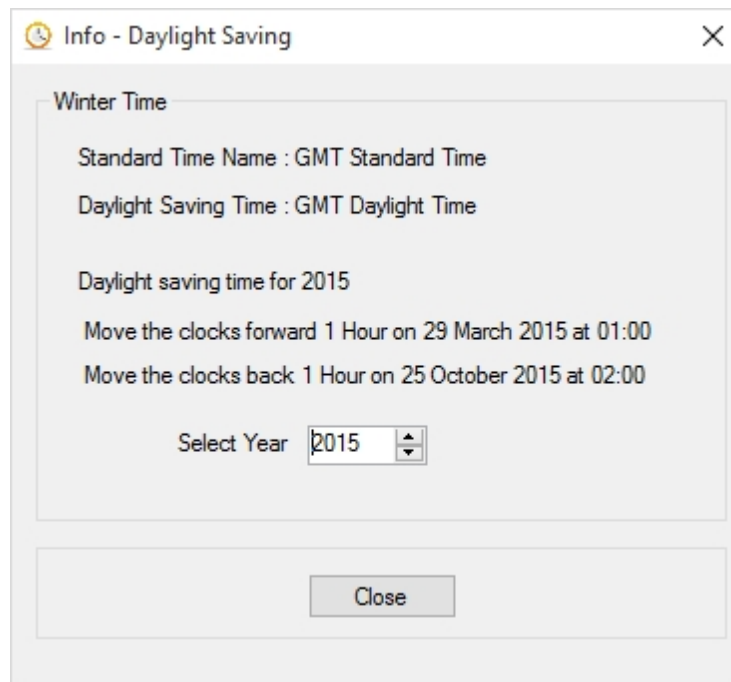
### Info



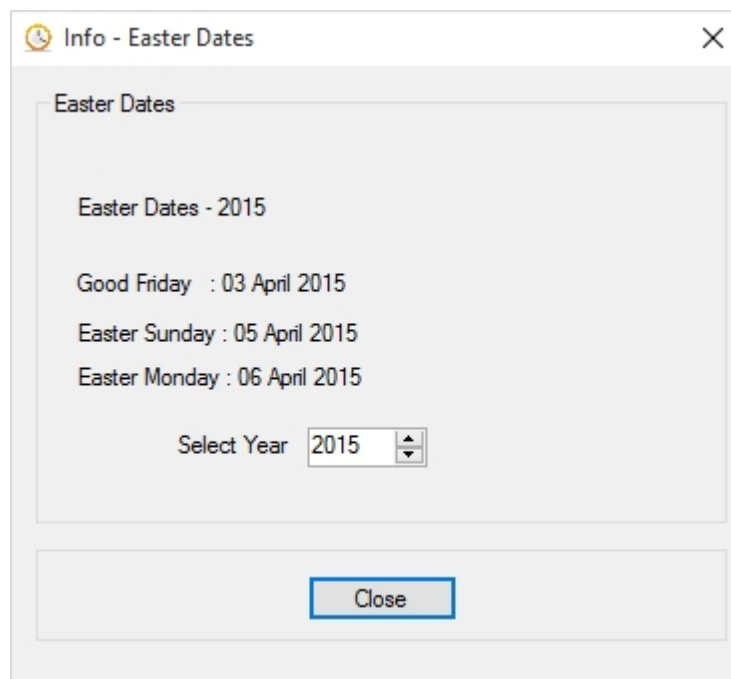
This allows the selection of

- Daylight Saving
- Easter Dates
- Culture
- Operating System
- Power Source

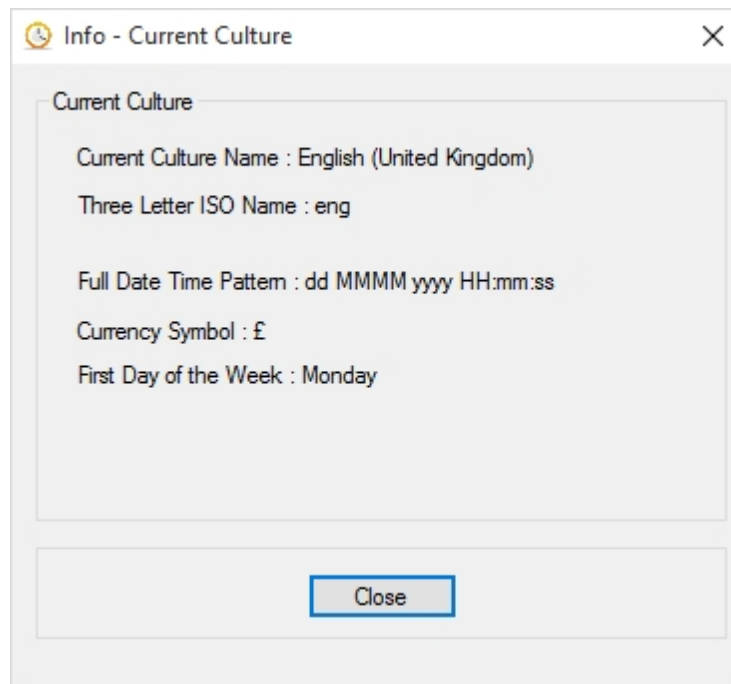
On Daylight Saving & Easter dates the year can be changed. This allows the daylight saving and Easter dates to be displayed for any year.



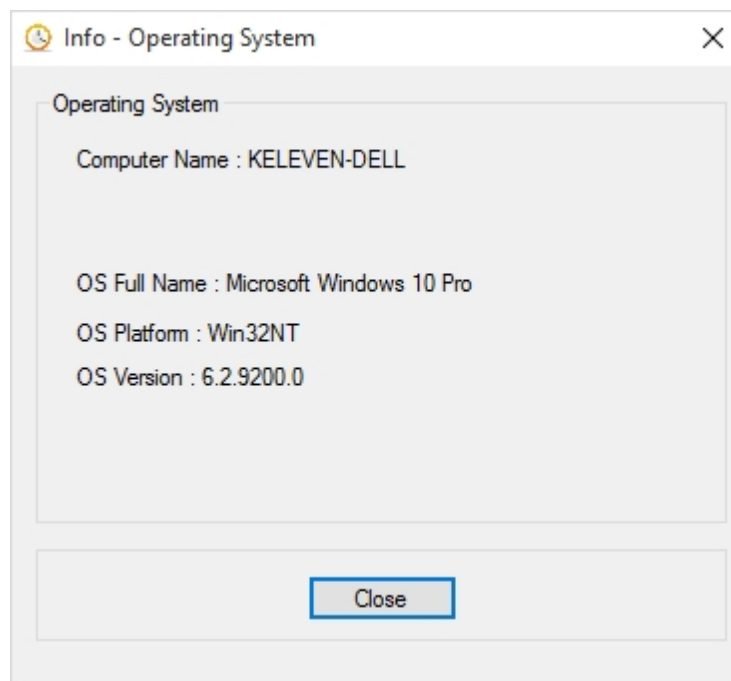
Daylight Saving Information



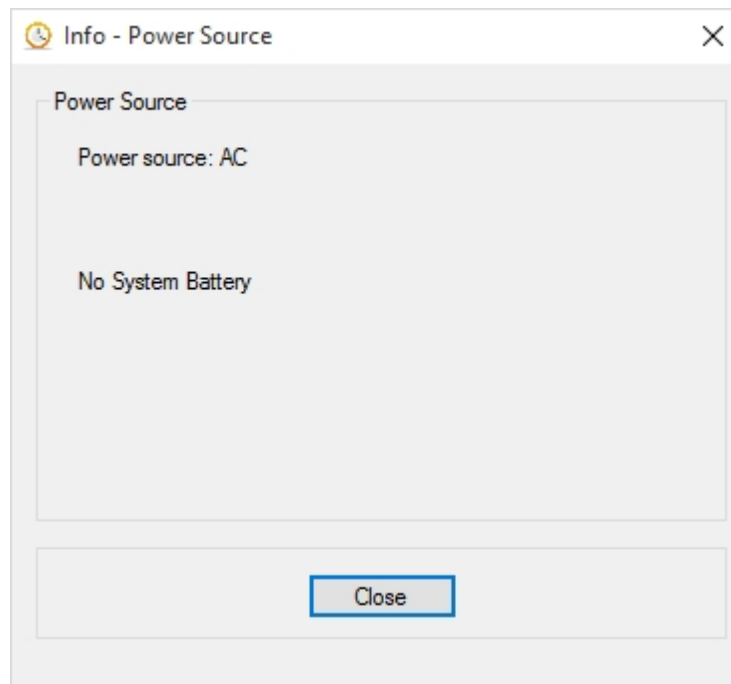
Easter Dates



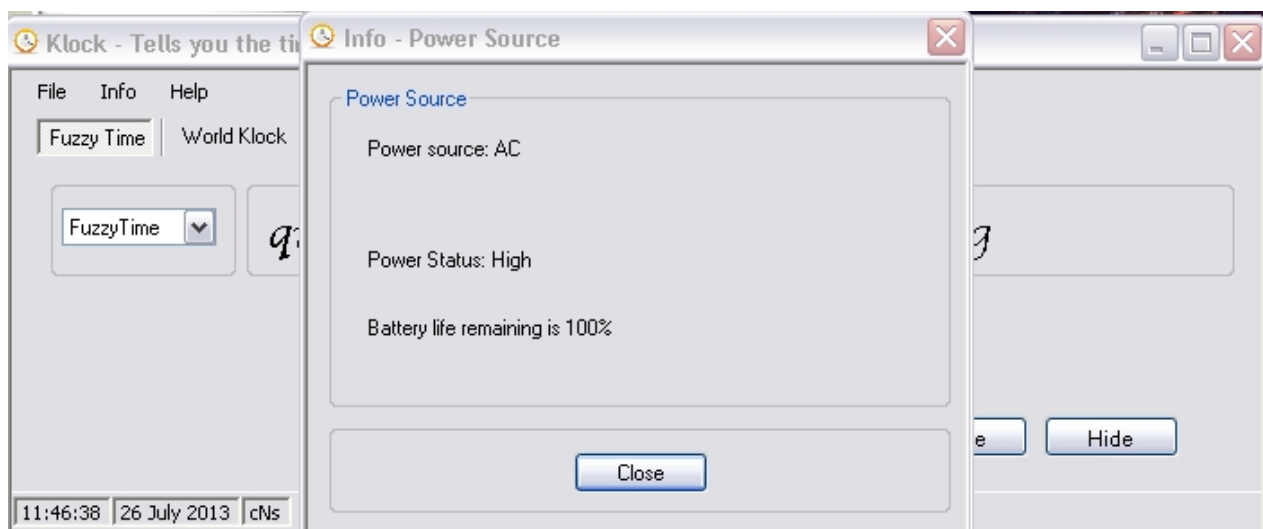
Current Culture Information



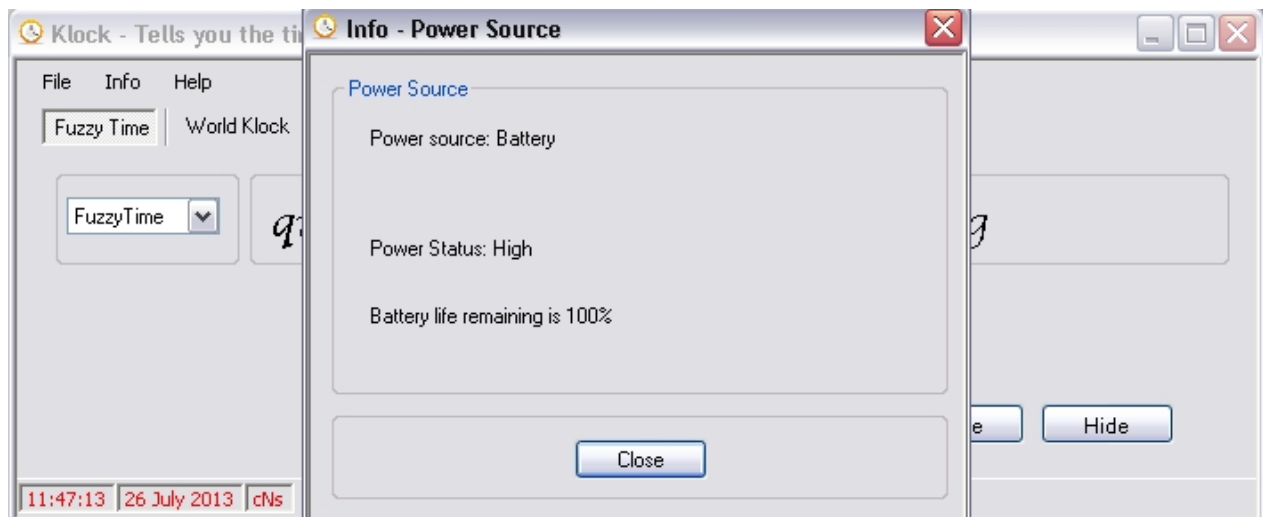
Operating System Information



Power Source information [PC running on mains]



Power Source Information [laptop running on mains]



Power Source Information [laptop running on battery]

note : red colour of time & date on main form.

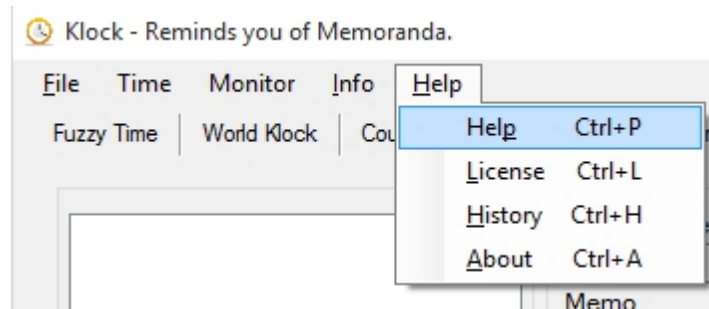
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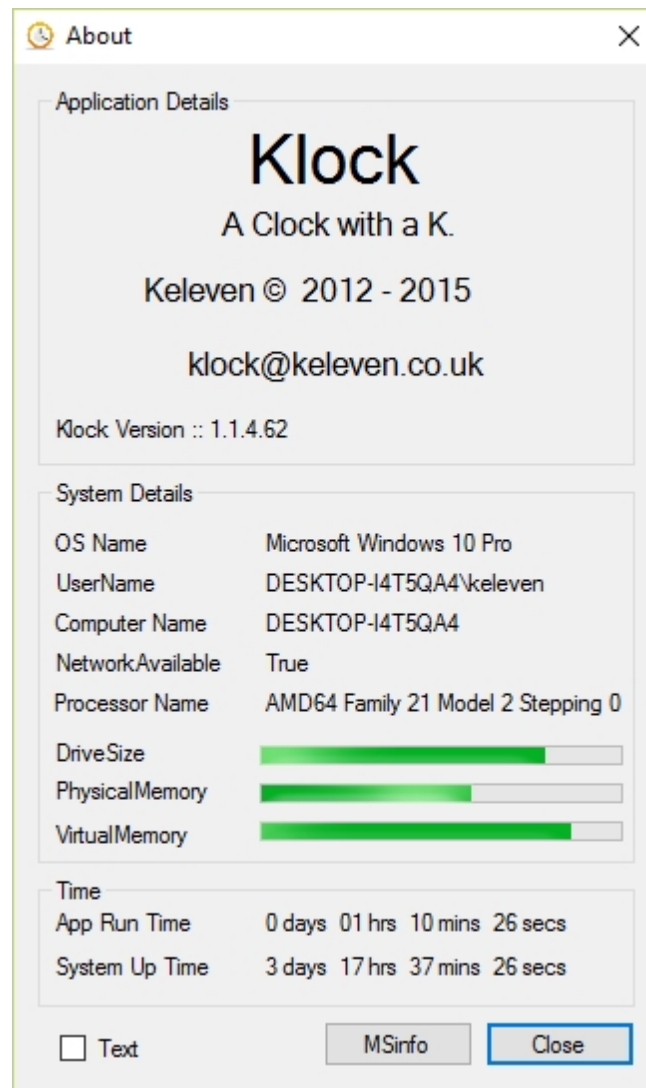
## Help

# Help



This allows the selection of

- Help - Loads this Help document
- Licence - loads the License information [GNU General Public License V3].
- History - Loads the history of Klock - git log.
- About - Loads About application information i.e. application version.




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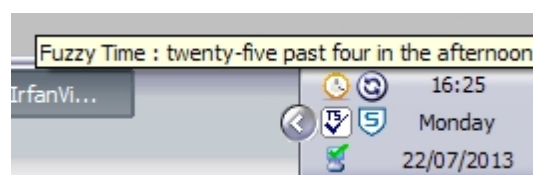
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## System Tray

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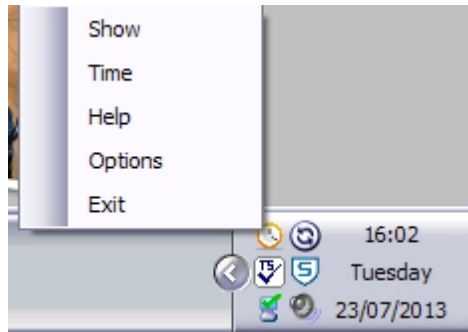
# System Tray

When the program is running in the system area, the following options are available.





If hovered over, the current time will be displayed. If two time formats are in use, only time one is used.



Right clicked on the icon will display a pop up menu.

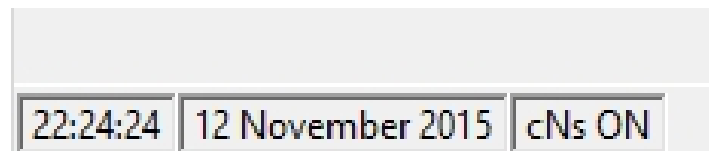
- Show - Restore Klock
- Time - Toggle the display of time.
- Help - Display the help.
- Options - Display the options screen.
- Exit - Close Klock.

If the application is in the task bar, any display messages [i.e. a reminder becoming due] will be displayed in a notification window [as will errors etc].

## Status bar

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### Status Bar



The status bar contains [after the the time & date] the legend cns.

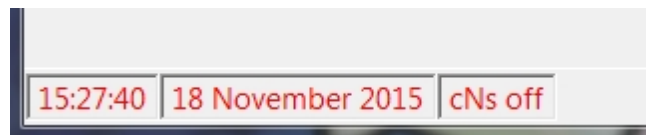
The c represents Caps lock.

The n represents Num Lock.

The S represents Scroll Lock.

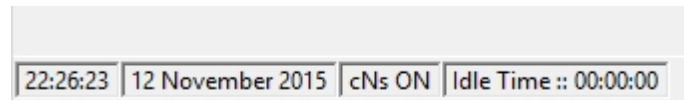
The ON represents connected to the internet. A OFF would indicate disconnected from the internet.

The letter will be upper case if the key is activated, otherwise lower case.

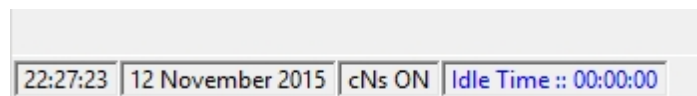


If the running PC [Laptop] is running on battery - the colour will turn to red.

If idles time is being displayed -



and if Monitor / Disable Sleep has been selected




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## Options

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The application also contains a options screen [file / Options] which allows various options to be set.

The options screen can also be loaded by pressing Alt + F2.

Klock boasts over 80 options to customise klock.

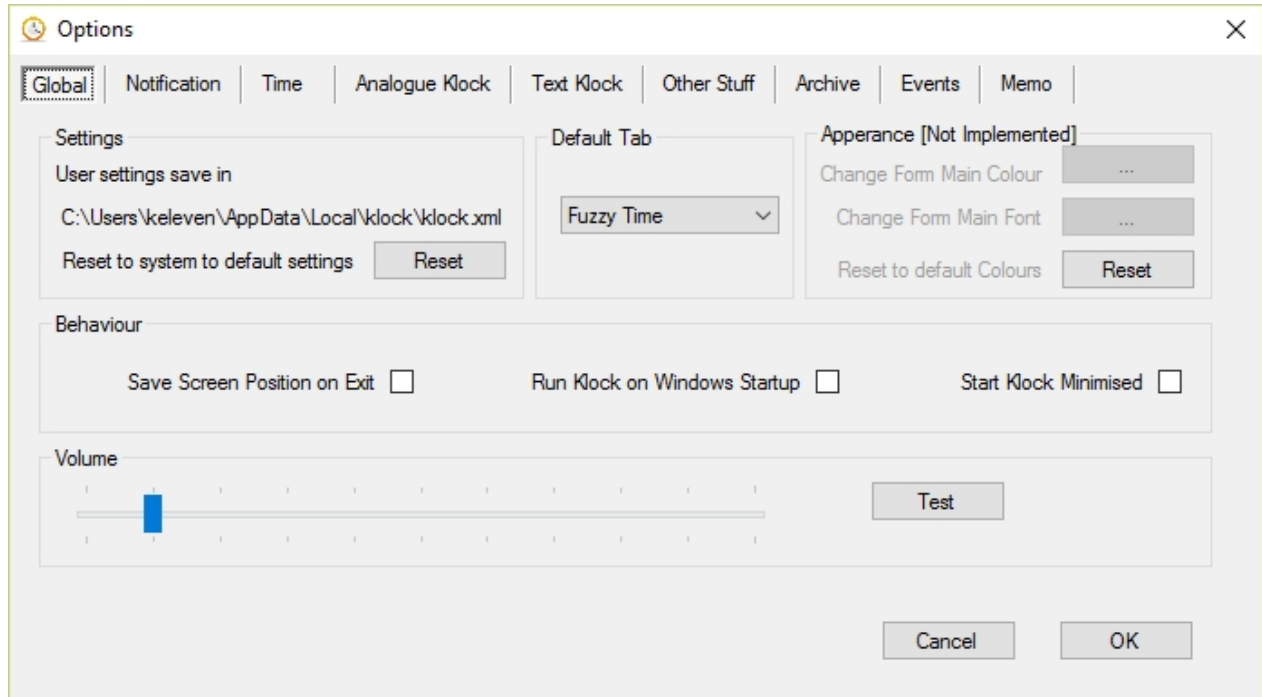
There are separate options for

- Global
- Notification
- Time
- Analogue Klock
- Text Klock [both small & big]
- Other Stuff
- Archive.
- Events
- Memo

NB: If the option is checked to start on windows start up [in fact most user options], only operates for the current user.

## Global

# Global



The global options are as follows.

### Settings

where the settings file reside - currently klock.xml. This can be re-set to the default settings for the application.

### Appearance

This is intended to allow the user to change the colours of the form and font and the style of the font - Currently not implanted.

### Behaviour

Allows klock to remember screen positions on exit.  
Will run klock when windows first starts [current user only].  
Start klock in the system tray.

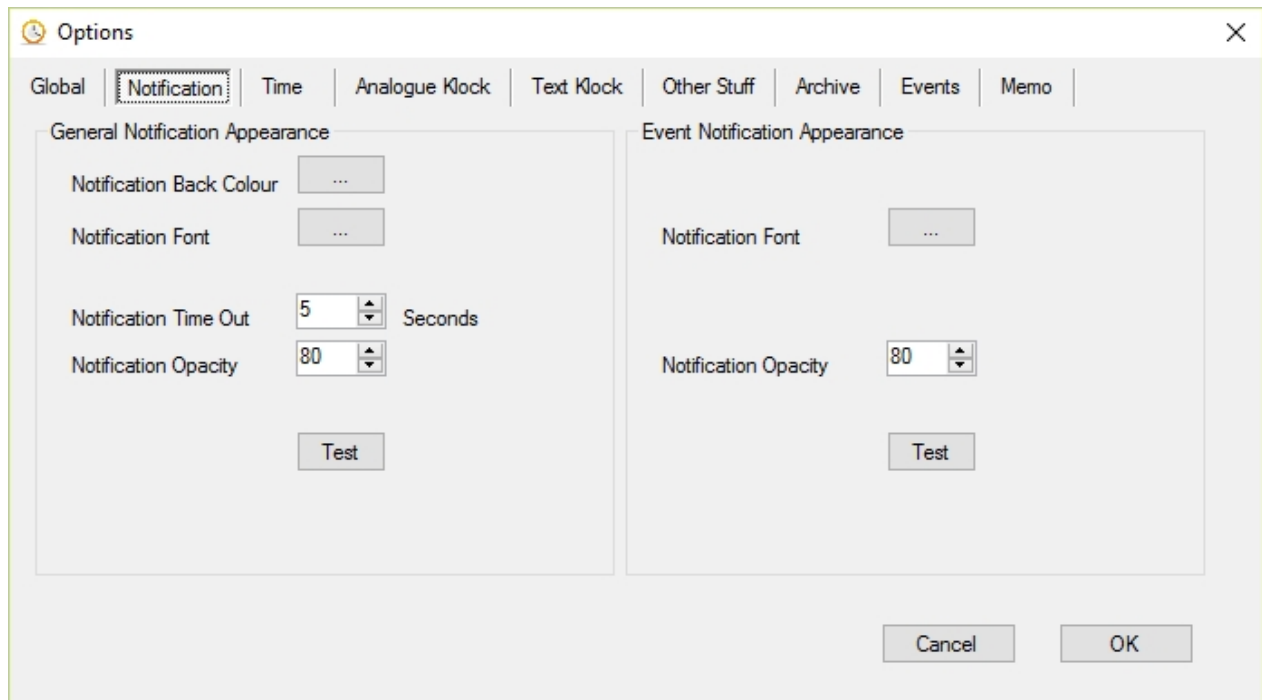
### Volume

The volume of the sound klock makes.

Pressing OK will save the new settings.  
Pressing cancel will not save any changes.

## Notification

# Notification



The Notification options are as follows.

### General Notification Appearance

This allows the change in colour of the notification and styly of the font. The time out, is the time [in seconds] that the notification is displayed. The opacity of the notification can also be adjusted.

The test button will display a notification with the new[current] options.

### Event Notification Appearance

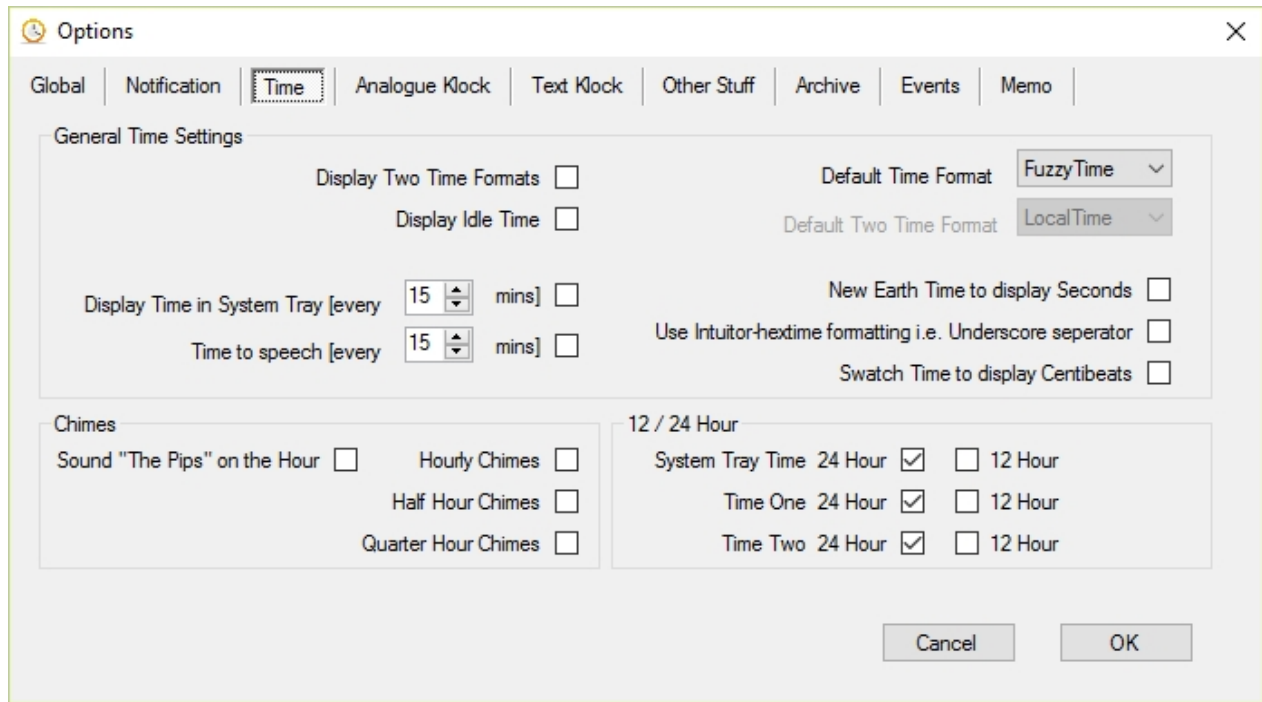
As above, but for the notification that appears for an Event.

Pressing OK will save the new settings.

Pressing cancel will not save any changes.

## Time

# Time



The Time options are as follows.

### Settings

The time can be selected to show in two formats. With both time formats having a default setting.

The system idle time can be displayed in the status bar.

The time can be displayed in a notification every n minutes, if desired.

the time can spoken every n minutes, if desired.

These two option only apply to the first time format, if two time formats are chosen.

New Earth Time can either select seconds or not.

Intuitior-hextime [TrieHexTime] can be display in either one of two formats - .A5B5 or A\_5B\_5

Swatch time can display centibeats - @635 BMT or @635.37 BMT

### Chimes

Klock can either sound the "pips" or chimes on the hour.

If chimes are chosen, chimes can also be selected for the quarter and half hours.

NB : can either have pips or chimes, not both.

### 12 / 24 Hour

The time in the system tray, time display 1 or time display 2 can all be set to display the time in either 12 or 24 hour format.

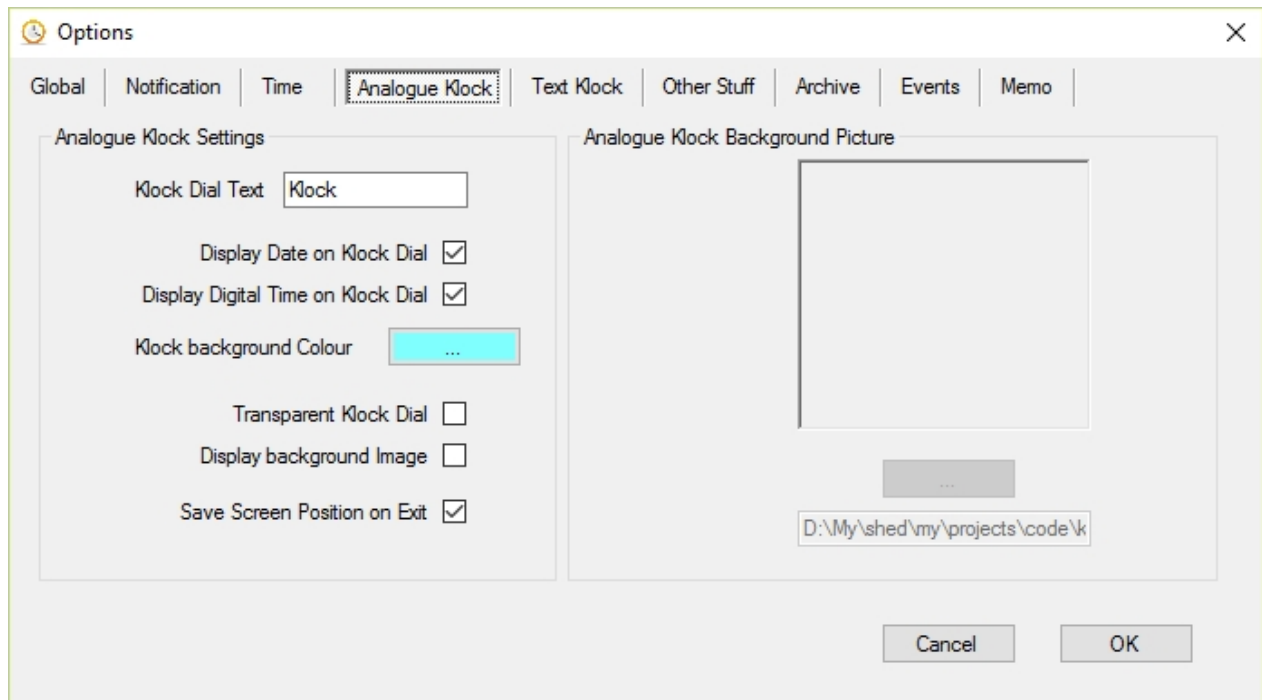
NB :: does not affect some of the time formats i.e. Hex time.

Pressing OK will save the new settings.

Pressing cancel will not save any changes.

## Analogue Klock

# Analogue Klock



The Text Klock options are as follows.

Various aspects of the Analogue Klock can be set - Dial Text, if the date and digital time is displayed, Background colour, if the dial is transparent.

If Display background Image is checked , then the option of the right hand side become available. These option allow a image to be chosen. Several images are included in the image folder within the application start folder, but any image could be used.

Pressing OK will save the new settings.  
Pressing cancel will not save any changes.

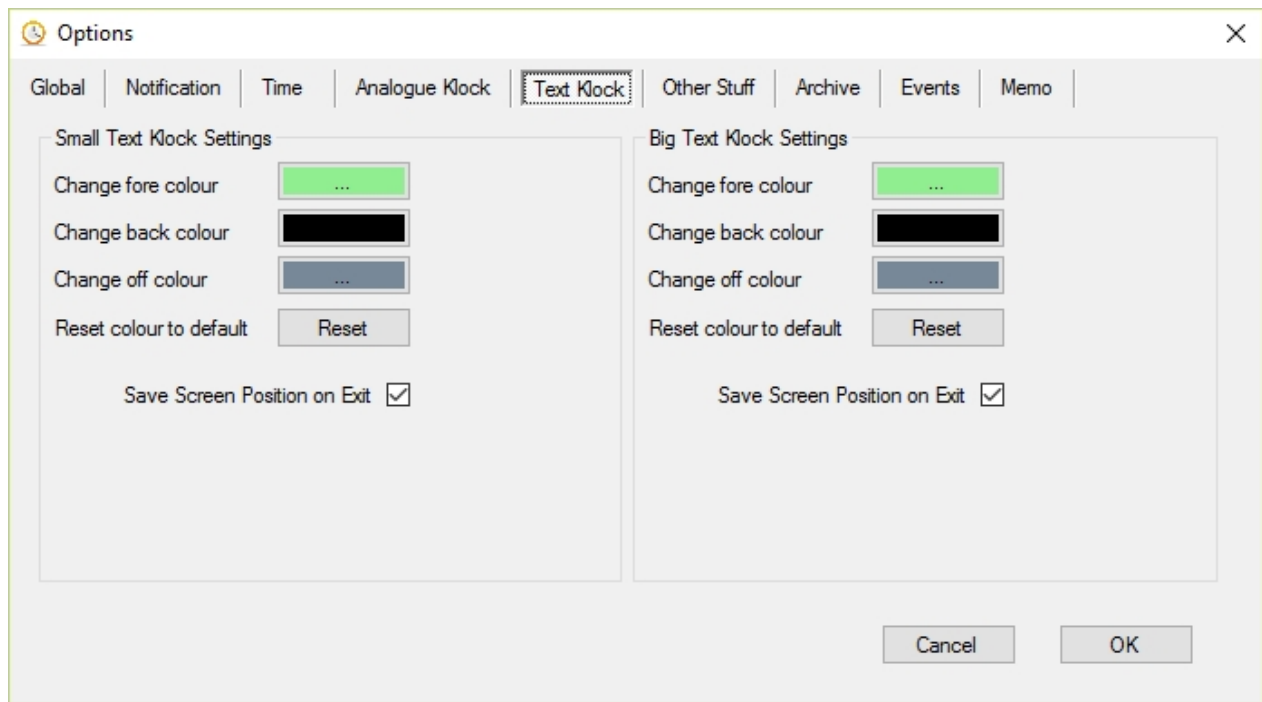
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## Text Klock

# Text Klock



The Text Klock options are as follows.

The various colours can be set for both Small Text Klock and the Big Text Klock separately.

The reset option, sets the colour of the active text to Green, the colour of the background to Black and non-active text to Light Grey - for both klocks.

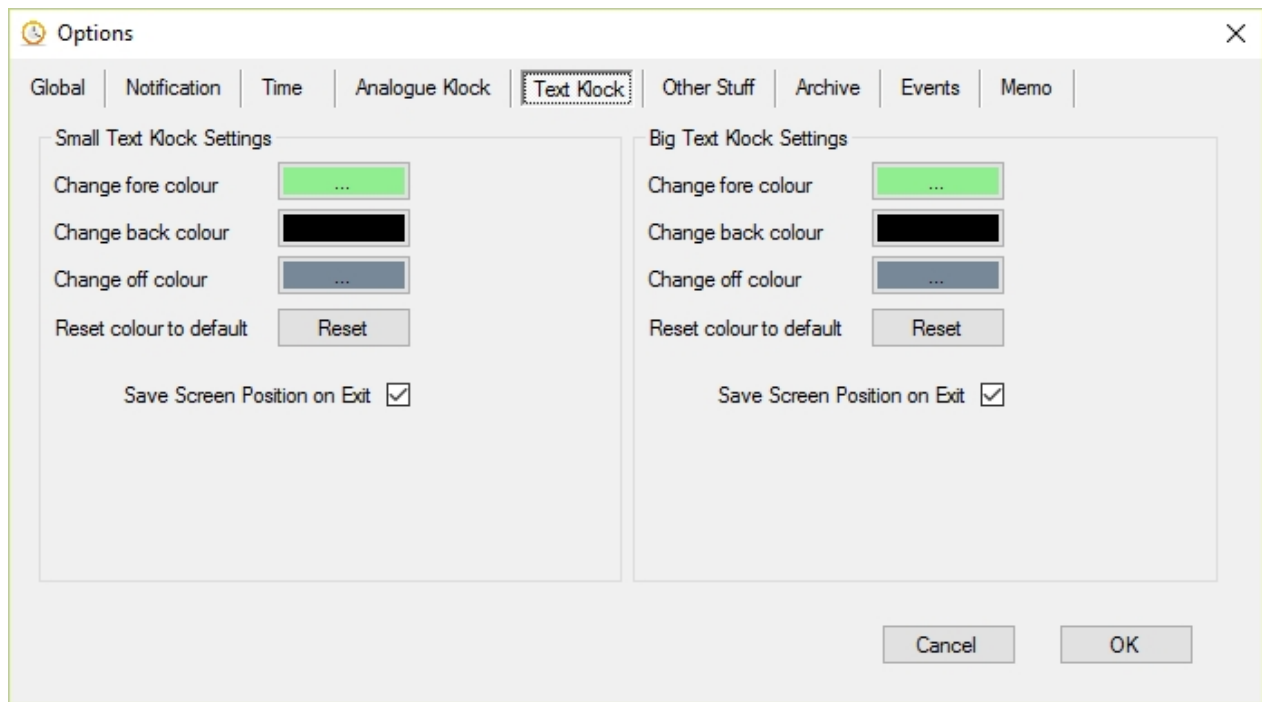
Allows both Small Text Klock & Bit text Klock to remember screen positions on exit.

NB :: care should be taken when setting active text colour that could conflict with the status bar - blue = disabled monitor sleeping and red = laptop running on batteries.

Pressing OK will save the new settings.  
Pressing cancel will not save any changes.

## Other Stuff

# Other Stuff



The Other stuff options are as follows.

#### **World Klock Settings.**

Display running information as a notification and title.

#### **Countdown Settings.**

Display running information as a notification and title.

#### **Timer Settings.**

Display running information as a notification and title.

The clear button will also clear the split time.

Time will show milliseconds.

#### **Reminder Settings.**

Display running information as a notification and title.

Time input is enabled by default.

#### **Monitor.**

Prevents the monitor[display] from going to Sleep.

If idle time is not being displayed, switching on this option will enable displaying idle time, But, only for the life of this option.

The option can also be selected by pressing Alt + F7 and deselected by pressing Alt + F8.

#### **Internet**

Perform the check for internet connectivity. If unchecked - no check will be made and Klock will think its not connected to the internet, even if a valid internet connection is available.

The "Display running information as a notification and title" adds running information to either klocks title [if visible] or by a notification [if running in the system tray].

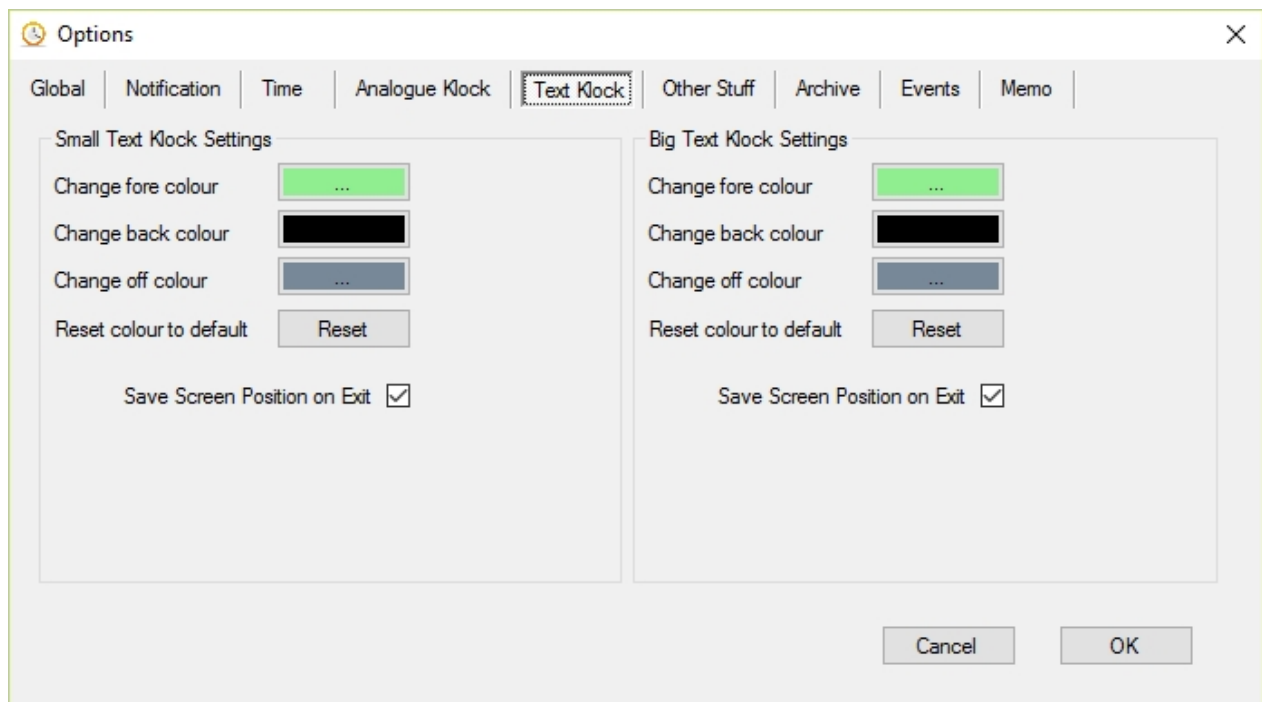
Pressing OK will save the new settings.

Pressing cancel will not save any changes.



## Archive

# Archive



The Archive options are as follows.

### Data Files

The location the data files holding the Friends, Events, Memo and Settings.

The settings file is hard wired, but the name and location of the Friends and Events, Memo file can be changed.

The location of the Friends, Memo and Events file can be re-set back to the windows default location for saving application data [i.e. where the settings file is saved]

### Archive

The name and location of the archive file.

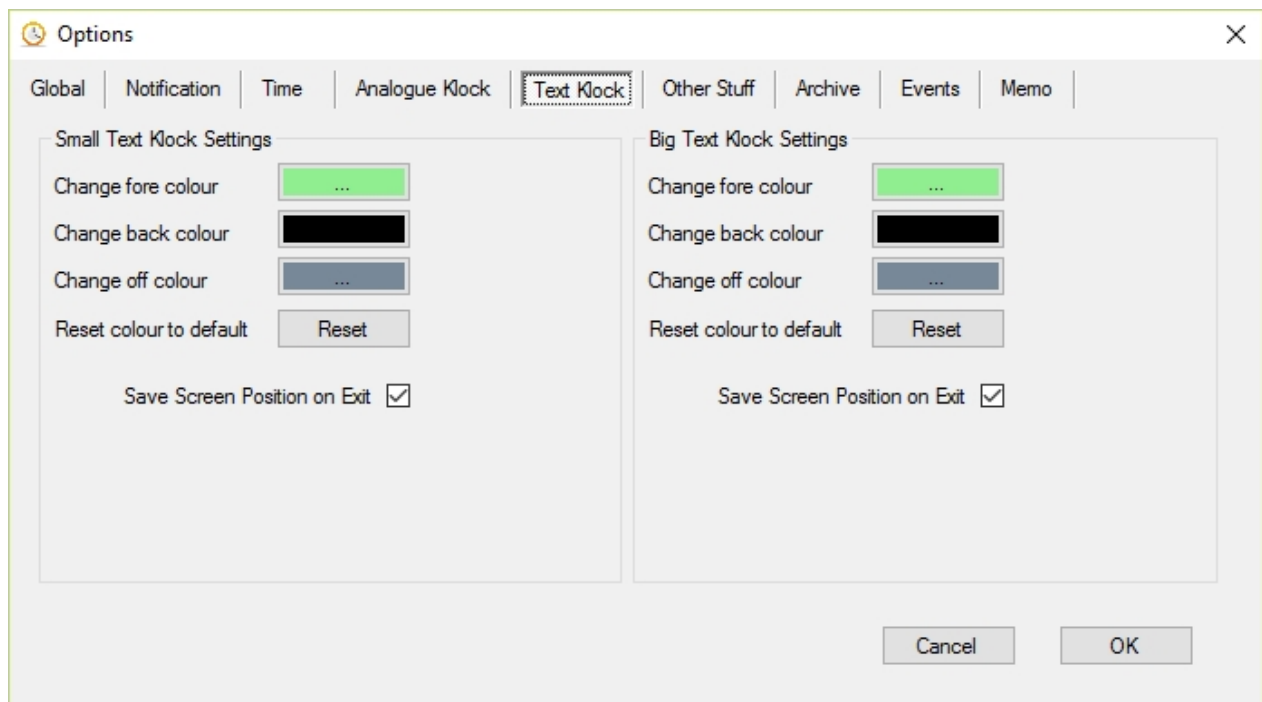
If the file exists, the load button is enabled - so a archive can be read [a warning will be given]

Pressing OK will save the new settings.

Pressing cancel will not save any changes.

## Events

# Events



Each event can display a reminder notification up to three time before it's due date. The period of these reminder notification can be set. Also the colour of the reminder notification can be changed to suit.

Usually Events are checked every 60 minutes, but this also can be changed.

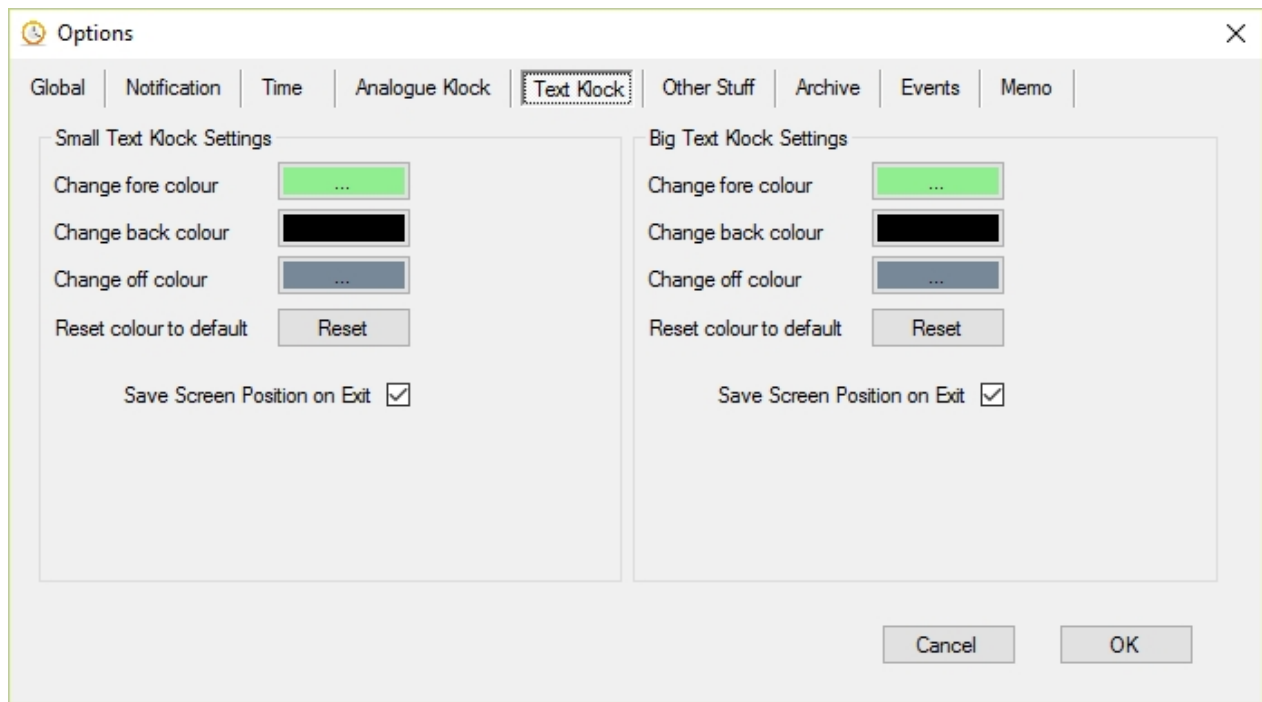
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## Memo

# Memo



Memo can be set up to use the default password.

The time out for displaying clear text of an secret memo can be set.

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## Hot Keys

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### Hot Keys

The following hot may may be used while Klock is running

- |           |   |
|-----------|---|
| F1        | - loads the help screen.                        |
| Alt + F2  | - loads the options screen.                     |
| Alt + F3  | - loads Analogue Klock                          |
| Alt + F4  | - loads Small Text Klock.                       |
| Alt + F5  | - loads Big Text Klock.                         |
| Alt + F6  | - closes either text Klock, if running.         |
| Alt + F7  | - prevents the monitor from going to sleep.     |
| Alt + F8  | - restores system monitor power settings.       |
| Alt + F12 | - displays the number of friends on the system. |

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## Credits

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## Credits

- The notification windows [or toast] is written by jmcilhinney and can be found at

- <http://www.vbforums.com/showthread.php?351757-Animated-Window-Effects-with-quot-Toast-quot-popup-demo>
- Much of the code for the Friends, Events & Memo tabs was inspired from reading Mastering Visual Basic 2010 by Evangelos Petroutsos.
- SNTP client curtesy of Valer Bocan - see <http://www.bocan.ro/sntpclient>
- Convert based on article in <http://www.dreamincode.net/forums/topic/121316-an-updatable-unit-conversion-calculator/>
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