

## TickClock

This is a stopwatch with 3 independent timers, each of which can be separately labelled (to remind you what you are timing!). Times are accurate to approximately 0.017 seconds but with a few technical provisos. The [TickClock](#) window must be active before it will register your mouse clicks, though it will register the menu equivalents even if the stopwatch is hidden. Hence, if you want accurate times, you should not activate other windows just before you expect to click a timer. In addition, you will notice that the timers pause each second or so when the analog clock is visible. To get the most accurate timing, ensure the stopwatch is the only visible window. [TickClock](#) is also most accurate if there are no other applications working in the background. On Powerbooks the CPU will slow itself down if the PB is left idle. This corrects if you move the mouse around (even the slightest), but should not be a problem for terminating timing accurately. Each timer has a default label appearing above it. You can alter these in the alarm dialog (see below) and save these for the future.

## Operation

- Timers are operated with mouse clicks (or  $\hat{\mathcal{E}}^1$ ,  $\hat{\mathcal{E}}^2$  or  $\hat{\mathcal{E}}^3$  keys, or via the TickClock Shortcuts... menu items). Sequential clicks will start, stop and reset each timer separately. To start all timers synchronously, click the 'All' button (or  $\hat{\mathcal{E}}^7$ ). Each timer can then be separately controlled.
- Lap times are available by clicking the **LR1** ( $\hat{\mathcal{E}}^4$ ), **LR2** ( $\hat{\mathcal{E}}^5$ ) or **LR3** ( $\hat{\mathcal{E}}^6$ ) buttons. The button will hilite, and the timer will stop. Re-select the same lap button to resume the timer.
- The **LR...** buttons can also Restart a stopped timer, eg if you stop timer 1 by clicking on its window, then wish to restart it, click the **LR1** button once. Timer 1 will resume from the currently displayed time. Note that this is different from using the **LR1** button for a lap time.
- The text field will display the current date and time (12 hour notation) unless an alarm has been activated, in which case it will show the preset message.
- Clicking the "Alarm" button (middle bottom, or  $\hat{\mathcal{E}}^8$  keys) displays a new dialog box. There are popup menus for you to set times for up to 15 alarms. You should select the desired alarm (5 for each timer) popup, then the timer popup, then type in the delay for that timer before the alarm sounds, and enter a message you wish to be displayed on the stopwatch at the appointed time. Note that you can use the **Tab** key to move between editable fields (or click in them directly). You can store count down times up to 999 minutes 59 seconds and 99 hundredths before it will revert to zero again. Clicking the **Set** button will record your selection for that alarm for the current session. Clicking **Save** permanently records your settings in a preferences file in the System folder. Note that to record your settings you must have clicked **Set** for each alarm (or they will not be activated). If you want the alarms to repeat continuously until you click on the message display of the stopwatch, then you can check the check box below the message field. You can also alter the labels to use for each timer (instead of the default "Timer 1" etc). Clicking **Revert** will revert to the settings saved previously in the preferences file, and **Done** will dismiss the dialog without making any further changes.
- The  $\odot$  button (or  $\hat{\mathcal{E}}^9$ ) will display brief instructions on site plus... (Please do not option-click this button).
- Clicking on the message field will clear any message and return the date & time.

## Future Plans

- If there are any other suggestions for [TickClock](#)'s improvement, please pass them on to me! I'll leave you to work out the reason behind the icon.