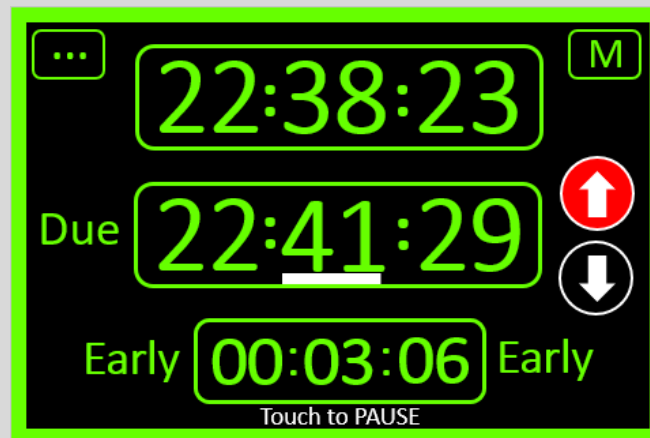
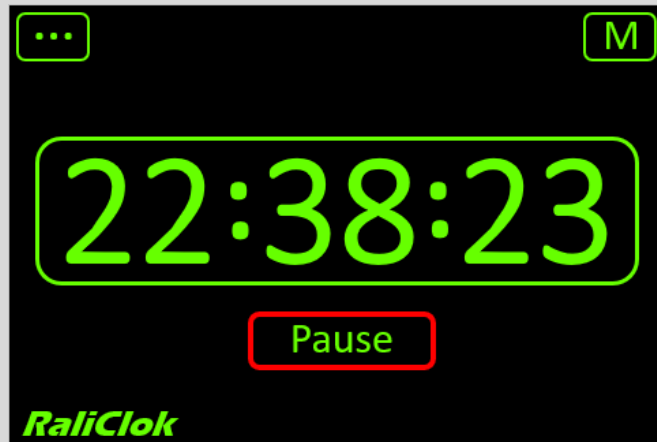


RaliClok®

User Booklet

RaliClok®

RaliClok

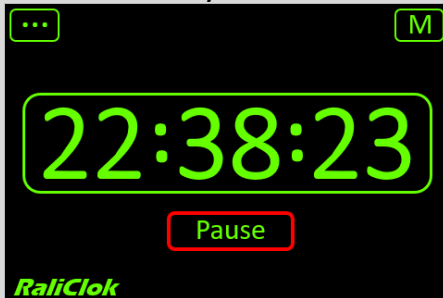


User Booklet

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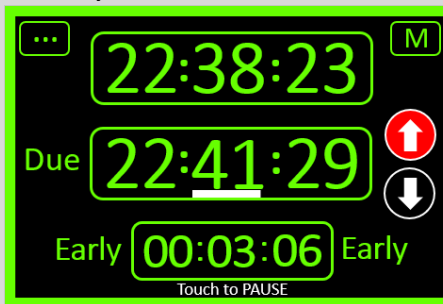
Rally Time



Rally Time and Stopwatch



Rally Time and Due Time



- RaliClok is an easy to use, but sophisticated, accurate and modern rally time clock and stopwatch featuring a 3.2" colour and touch sensitive TFT display.
- RaliClok is supplied with:
 - a (pluggable) remote switch unit, on a 2 metre lead, allowing most of its functionality to be operated without touching the display
 - a (fixed) 1.2 metre power lead which needs to be simply connected to the vehicle power (7-18 volts, positive or negative earth) via a 3A fused connection.
- RaliClok can be set to show:
 - Rally Time, with an optional pause/resume capability
 - Rally Time and a Stopwatch (to either 1 second or 0.1 second resolution) that can be started at a preset values, set to count up or down, and to be paused/resumed as required
 - Rally Time and a settable Due Time, with a stopwatch showing the "early" or "late" difference between the two, and to be paused/resumed as required.
- RaliClok keeps the Rally Time and any "in flight" stopwatch timings accurate even when the unit is turned off and/or disconnected from the vehicle power.
- Option screens allow the customisation of various settings that determine the way that RaliClok operates and looks.
- The RaliClok unit dimensions are 59mm (H) x 113mm (W) x 24mm (D). There are two M4 rivnuts on the back for panel mounting, with Velcro and/or windscreen mounting also being possible.

RaliClok Main Menu

Slide/press to adjust display
brightness of all screens

Open "Rally Time"
screen

Open "Rally Time
and Stopwatch"
screen

Open "Rally Time
and Due Time"
screen

Set main colour of all
screens to green, white,
yellow or red

Open "Set Rally
Time" screen



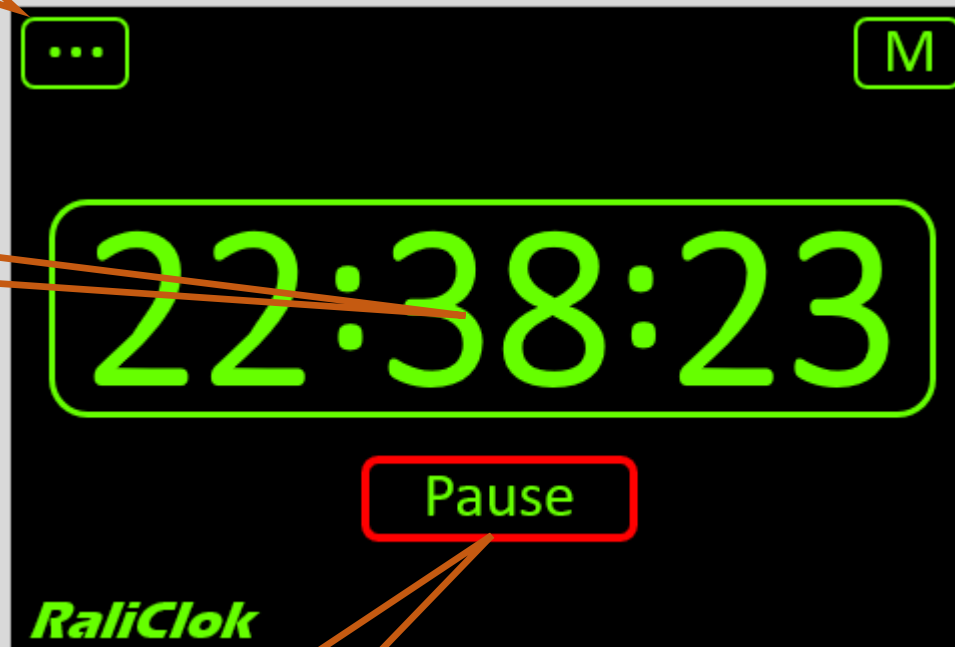
RaliClok

Rally Time

Open "Rally Time - Options"
screen

Open "Main Menu"
screen

Rally Time. Use "Main
Menu|Set Rally Time"
to set the time



Pause/Resume button. Use
"Rally Time - Options" to
show/hide the button

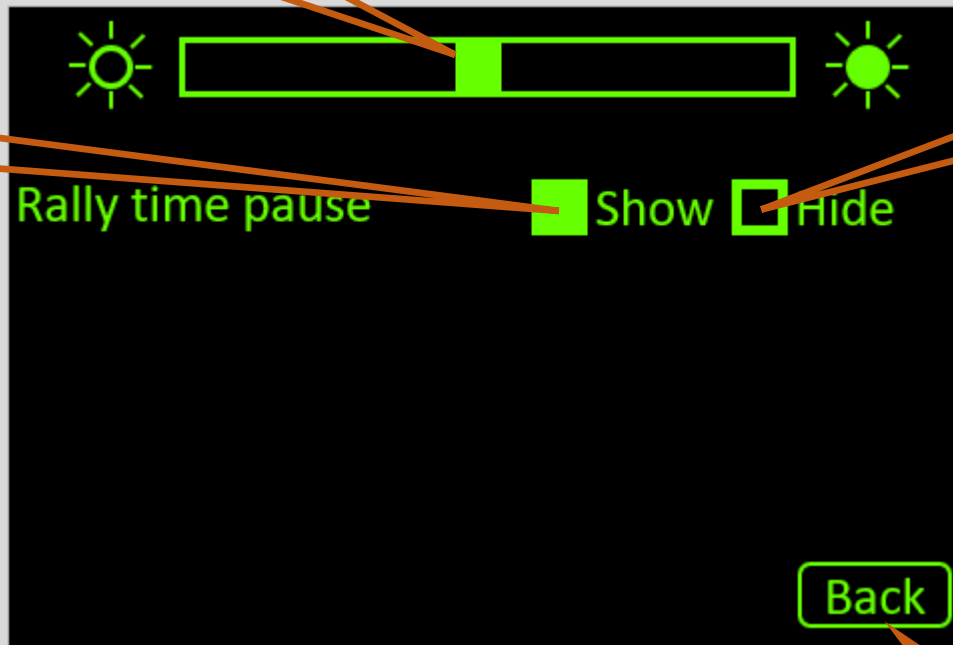
! A SHORT press on the remote
unit RED button can be used
to operate this button

Rally Time - Options

Slide/press to adjust display brightness of all screens

Pause/Resume buttons are shown on the "Rally Time" screen

Pause/Resume buttons are not shown on "Rally Time" screen



Return to "Rally Time" screen

Rally Time and Stopwatch – Set and Start

Open “Rally Time and Stopwatch - Options” screen

Rally Time

Open “Main Menu” screen

Stopwatch. Use “Stopwatch Options” to change between 1s and 0.1s resolution

! If the resolution is set to 0.1s, the stopwatch works normally, but the hours value is not shown

Initial stopwatch direction

! If stopwatch direction is set to “Up”, a green up arrow is always shown.

! If stopwatch direction is set to “Down”, a green down arrow is initially shown.



Start the stopwatch and display the “Rally Time and Stopwatch – Stop” screen

! A SHORT press on the remote unit RED button can be used to operate this button

Open “Rally Time and Stopwatch - Set Stopwatch” screen

! A SHORT press on the remote unit BLACK button can be used to operate this button

Rally Time and Stopwatch – Set Stopwatch

! The last set stopwatch value and direction is shown when the screen opens

Increase/decrease the stopwatch hours/minutes/seconds

! Maximum stopwatch time is 9 hrs 59 mins 59 secs

! Press and hold the up/down buttons to auto-increment/auto-decrement stopwatch values



Stopwatch direction

Return to "Rally Time and Stopwatch – Set and Start", setting the stopwatch value and direction

Return to "Rally Time and Stopwatch – Set and Start" without setting stopwatch value or direction

! A warning message is displayed if the stopwatch value has been changed and the Cancel button has been pressed

Rally Time and Stopwatch – Stop

Open “Rally Time and Stopwatch - Options” screen

Rally Time

Open “Main Menu” screen

Stopwatch

Current stopwatch direction

If stopwatch direction is set to “Up”, a green up arrow is always shown.

If stopwatch direction is set to “Down”, a green down arrow is shown while the stopwatch is counting down...

..and when the stopwatch passes through zero:

- it starts to count upwards
- a red up arrow is shown
- the stopwatch value is displayed in red

Stop the stopwatch and display the “Rally Time and Stopwatch – Reset and Resume” screen

! A SHORT press on the remote unit RED button can be used to operate this button !

If the “Reset watch on Stop” option is set to yes, the stopwatch is reset to zero – if the value is set to no, the stopwatch is NOT reset to zero and continues to run



Rally Time and Stopwatch – Reset and Resume

Open “Rally Time and Stopwatch - Options” screen

Rally Time and Stopwatch are shown in blue to indicate that they are frozen. If the stopwatch is negative and counting up, it is shown in flashing blue and red

Open “Main Menu” screen

Rally Time

Stopwatch

Current stopwatch direction

Border of button is red if the “Red button after stop” option is set to Reset

Border of button is red if the “Red button after stop” option is set to Resume

Reset the stopwatch to zero and display the “Rally Time and Stopwatch – Reset and Resume” screen

If border of button is red, a SHORT press on the remote unit RED button can be used to operate this button – otherwise a SHORT press on the remote unit BLACK button can be used

Reset the stopwatch to zero and display the “Rally Time and Stopwatch – Reset and Resume” screen

If border of button is red, a SHORT press on the remote unit RED button can be used to operate this button – otherwise a SHORT press on the remote unit BLACK button can be used



Rally Time and Stopwatch - Options

Slide/press to adjust display brightness of all screens

Stopwatch resolution is 1 second

When Stop is pressed, the stopwatch is reset to zero and starts counting up in the background

The border of the Reset button on "Rally Time and Stopwatch – Reset and Resume" screen is set to red

Stopwatch resolution is 0.1 seconds

When Stop is pressed, the stopwatch continues to count in the background

The border of the Resume button on "Rally Time and Stopwatch – Reset and Resume" screen is set to red

Return to previous "Rally Time and Stopwatch" screen

Back

Stopwatch resolution 1s 0.1s

Reset watch on "Stop" Yes No

Red button after "Stop" Reset Resume

Rally Time and Due Time

Open "Rally Time and Due Time - Options" screen

Rally Time

Open "Main Menu" screen

Due Time

Focus indicator for increment and decrement buttons

Increase the Due Time value with the current focus

! Press on the hours, minutes or seconds values to move the focus indicator

A SHORT press on the remote unit RED button can be used to operate this button. A LONG press will auto-increment the time value

Stopwatch – shows the value of Rally Time minus Due Time (display only)

Decrease the Due Time value with the current focus

! IF Due Time is greater than Rally Time, the Due Time/the stopwatch/the words "Early" are shown in green...

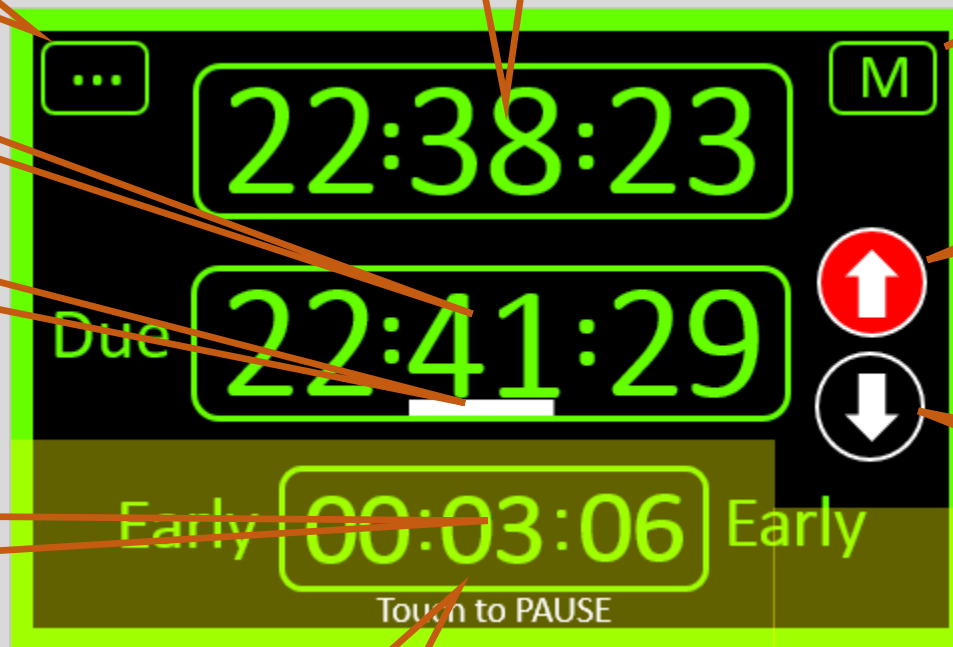
! Displayed values are in light blue when paused

A SHORT press on the remote unit BLACK button can be used to operate this button. A LONG press will auto-decrement the time value

OTHERWISE ...the Due Time/the stopwatch/the words "Late" are shown in red

Touch in shaded area to pause/resume all values (shaded area not shown on screen)

Use "Rally Time and Due Time - Options" to control the colour of the border if the stopwatch is showing "Early" or "Late"



Rally Time and Due Time - Examples

“Early”

i.e. Due Time is greater than Rally Time



“Late”

i.e. Due Time is less than or equal to Rally Time



The screen will automatically change from green “early” times to red “late” times when the Due Time is equal to Rally Time

Rally Time and Due Time - Options

Slide/press to adjust display brightness of all screens

If the stopwatch is showing "Early", the screen border is green

If the stopwatch is showing "Early", the screen border is red

EARLY border

Green Red

If the stopwatch is showing "Late", the screen border is red

LATE border

Red Green

If the stopwatch is showing "Late", the screen border is green

If the stopwatch hours value is zero, the hours are shown as zeros

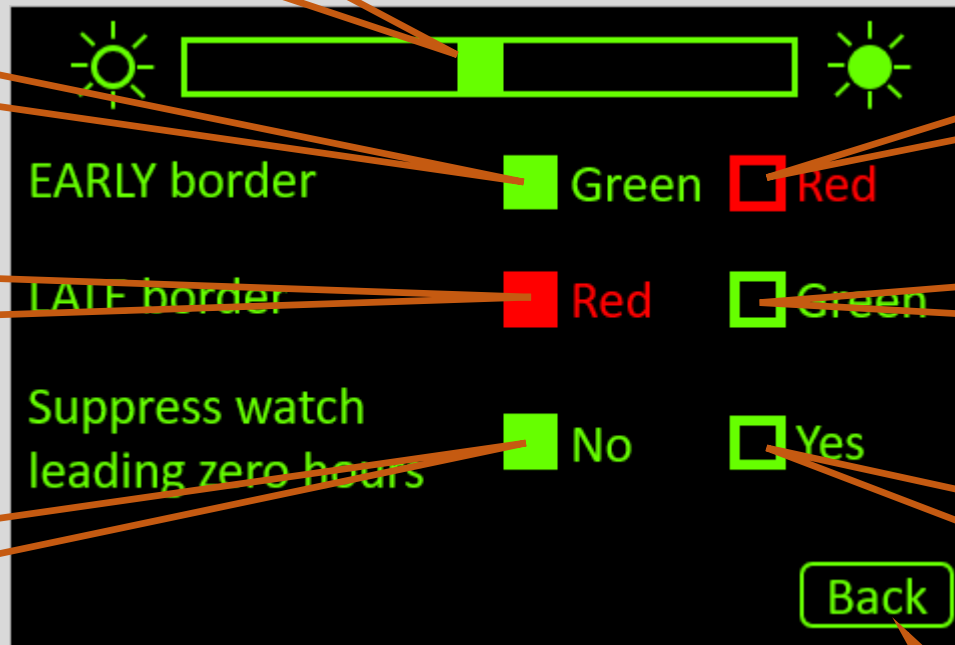
Suppress watch leading zero hours

No Yes

If the stopwatch hours value is zero, the hours are not shown

Back

Return to "Rally Time and Due Time" screen

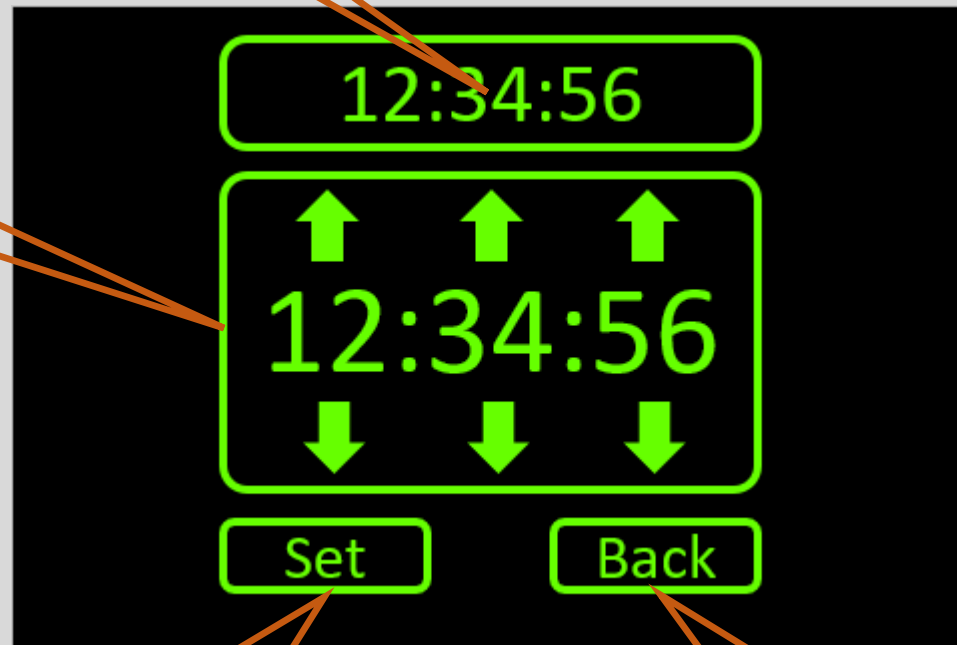


Set Rally Time

Current live
Rally Time

Increase/decrease the
new Rally Time
hours/minutes/seconds

Press and hold the up/down
buttons to auto-
increment/auto-decrement
Rally Time values



Set the new Rally Time
and remain on this screen

Return to the "Main
Menu" screen

A warning message is
displayed if the Rally
Time value has been
changed, Set has not
been pressed and the
Back button has been
pressed

