

RONSTAN

CLEAR START™

RACE TIMER & SAILING WATCHES

USER MANUAL

CONTENTS

1. Turning On The Display
2. Race Timer Mounting
3. Backlight & Sound Signals
4. Changing Between Time Or Racing Modes
5. Time Mode
6. Racing Mode
7. Sound Signals

1. TURNING ON THE DISPLAY

The digital display is supplied "Turned Off" from the factory to conserve battery life. To "turn on" the digital display press and hold **[CLEAR]**. While holding in **[CLEAR]** press and hold at the same time the **[MODE]**, **[SYNC]**, **[START/STOP]** for 5 seconds.

2. RACE TIMER MOUNTING

The Clear Start Timer can be worn on the wrist like a watch or mounted on the mast, boom or deck. For mounting on the boat, the wrist strap should be removed and the housing fixed to the boat with M4 or 5/32" fasteners through the two holes provided. Care should be taken in selecting and fitting fasteners correctly, so that they do not protrude and prevent the Timer from snapping into the housing fully. The Timer can be snapped into the housing for racing and can be easily removed afterward for transport/security.

⚠ Make sure the Timer is placed fully into the housing and the snap fit is secured completely before use.

3. BACKLIGHT & SOUND SIGNALS

When the Backlight function is switched on. In any mode, press **[SET ☼]**. The backlight will stay on for 4 seconds.

⚠ Frequent use of the backlight will shorten the battery life. To extend the battery life, the Backlight function can be switched off.

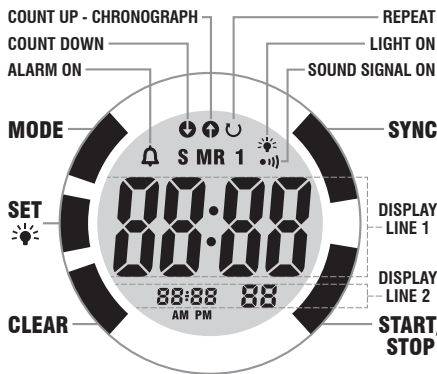
When the Sound Signal function is switched on, in Racing mode various sound signals will be given at pre-programmed intervals and critical points in the countdown – see section 7 for details.

To switch the Backlight and Sound Signal functions on or off. In Time mode, hold in **[SET ☼]** for 4 seconds. The Backlight symbol **[☼]** and/or Sound Signal symbol **[••]** will flash. While flashing press **[SYNC]** several times to scroll through the options for light and sound functions to be on or off. When switched on the symbol will be visible, when off the symbol will not be visible. If both Backlight and Sound Signal functions are switched off the symbols will not be visible. To switch back on hold in **[SET ☼]** for 4 seconds until you hear a single beep and the symbols will be visible. Switching off the sound signal function will not affect the daily (wake-up) alarm, and a sound signal will always be given when an active button is pressed.

BATTERY REPLACEMENT

⚠ The battery should be replaced by a qualified watchmaker. Watch: 1x CR2032 3.0 volt Lithium battery
Timer: 2x CR2032 3.0 volt Lithium battery

BUTTONS & DIGITAL DISPLAY SYMBOLS



4. CHANGING BETWEEN TIME & RACING MODES

To change between the Time and Racing modes press at the same time **[MODE]** then **[SYNC]**.

The last function or start sequence used will be remembered when you change modes.

5. TIME MODE

5.1. Changing Between Time Functions

When in Time mode press **[MODE]** several times to scroll through the functions. Time > Chronograph > Alarm.

5.2. Time Function

When in Time function hours:minutes will be visible on Display Line 1 and day-month and seconds will be visible on Display Line 2. There will be no Racing function symbols visible, ie **[☼]**, **[••]**, **[☼]**, **[S]**, **[MR]**, **[1]**.

To change between 12 hour (am/pm) and 24 hour time formats. When in Time function, press **[SYNC]**.

To change between Day-Month and Month-Day formats. When in Time function, press **[START/STOP]**.

To Set Time

In Time function, hold in **[CLEAR]** for 5 seconds. The seconds will flash. Press **[SYNC]** to reset the seconds to zero. Press **[MODE]**. The minutes will flash. Press **[SYNC]** to go up 1 minute at a time. Press **[START/STOP]** to go down 1 minute at a time. Press **[MODE]**. The hours will flash. Press **[SYNC]** to go up 1 hour at a time. Press **[START/STOP]** to go down 1 hour at a time. Press **[MODE]**. The year will flash. Press **[SYNC]** to go up 1 year at a time. Press **[START/STOP]** to go down 1 year at a time. Press **[MODE]**. The months will flash. Press **[SYNC]** to go up 1 month at a time. Press **[START/STOP]** to go down 1 month at a time. Press **[MODE]**. The days will flash. Press **[SYNC]** to go up 1 day at a time. Press **[START/STOP]** to go down 1 day at a time. Press **[SET]** at any stage to save the settings & return to time mode.

*Holding in the **[SYNC]** or **[STOP/START]** button when adjusting minutes, hours and date will make the number change more quickly.*

If no button is pressed after 8 seconds when setting the time, the changes will be saved automatically.

5.3. Chronograph (Stop Watch) Function

When in Chronograph function elapsed minutes:seconds will be visible on Display Line1 and time of day hours:minutes and elapsed hours will be visible on Display Line 2. The **[☼]** symbol will be visible. Press **[STOP/START]** to start, stop or restart the chronograph. Press **[CLEAR]** to reset to zero. *The chronograph will count up to 23 hours 59 minutes 59 seconds and then start from zero again.*

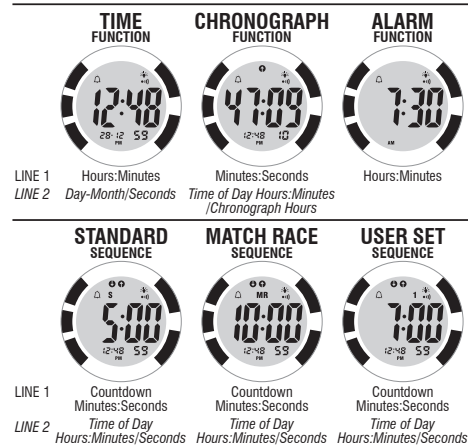
5.4. Alarm (Wake-up) Function

When in Alarm function hours:minutes will be visible on Display Line 1 and nothing on Display Line 2.

To Set Alarm

In Alarm function, hold in **[SET ☼]** for 2 seconds. The minutes will flash. Press **[SYNC]** to go up 1 minute at a time. Press **[START/STOP]** to go down 1 minute at a time. Press **[MODE]**. The hours will flash. Press **[SYNC]** to go up 1 hour at a time. Press **[START/STOP]** to go down 1 hour at a time. Press **[SET]** at any stage to save the settings and return to time mode. Press **[START/STOP]** to switch the Alarm on or off. The **[☼]** symbol will be displayed when the Alarm is on. *Holding in the **[SYNC]** or **[START/STOP]** button when adjusting minutes and hours will make the number change more quickly. The alarm will sound at the set alarm time for 30 seconds. To stop the alarm press any button.*

TYPICAL DISPLAYS



6. RACING MODE

To change between the Time and Racing modes press at the same time **[MODE]** and **[SYNC]**. The last function or start sequence used will be remembered when you change modes. When in Racing mode remaining minutes:seconds will be displayed on Display Line 1 and time of day hours:minutes and seconds will be displayed on Display Line 2.

6.1. Changing Between Start Sequences

When in Racing mode press **[MODE]** several times to scroll through the start sequence options. Standard ISAF 5,4,1,0 minute **[S]** > Match Race 10,6,5,4,2,0 minute **[MR]** > User Set Multiples of 1 Minute **[1]**. The symbol **[S]**, **[MR]** or **[1]** will be displayed to indicate which start sequence is active.

⚠ Only one start sequence countdown can be run at a time. Buttons will be inactive in the other start sequence options while it is running. The running countdown must be stopped before another start sequence countdown can be run.

6.2. To Set Count Down Repeat or Count Down & Up

Racing mode can be set to repeat the countdown after reaching zero (Count Down Repeat), or count up after reaching zero (Count Down & Up) to display elapsed time. Elapsed time is displayed in minutes:seconds counting up to 59 minutes 59 seconds before starting at zero again. In the chosen start sequence hold in **[SET ☼]** for 3 seconds to change between Count Down & Up **[☼☼]** and Count Down Repeat **[☼]**.

6.3. To Set User Set Sequence (Multiples of 1 Minute)

When in the User Set sequence **[1]**. Reset the timer to the default 1 minute value by pressing **[STOP]** and then **[CLEAR]**. Press **[SYNC]** to go up 1 minute at a time. In the chosen start sequence hold in **[SET ☼]** for 3 seconds to change between Count Down & Up **[☼☼]** and Count Down Repeat **[☼]**. *Holding in the **[SYNC]** button when adjusting minutes will make the number change more quickly.*

6.4. Synchronisation **[SYNC]** Function

In any start sequence, if a countdown has been started late, it can be re-synchronised with the official race time by pressing **[SYNC]** which will immediately bring the countdown down to the next minute and continue the countdown.

7. SOUND SIGNALS

During countdown when Sound Signals are turned on **[••]** the Timer gives the following sound signals:

Each minute	Two short beeps
Preceding 1 minute in ISAF Standard countdown	One short beep for each of the last 2 seconds
Preceding 1 minute in User Set countdown	
Preceding 2 minutes (entry time) in Match Racing countdown	
At 50,40,30,20 seconds to go	One long beep
At 15, 14, 13, 12, 11 seconds to go	One short beep
At 10, 9, 8, 7, 6 seconds to go	Two short beeps
At 5, 4, 3, 2, 1 seconds to go	Three short beeps
At zero (completion of countdown)	One short beep

The sound signals can be turned off for the start countdowns – see section 3.