



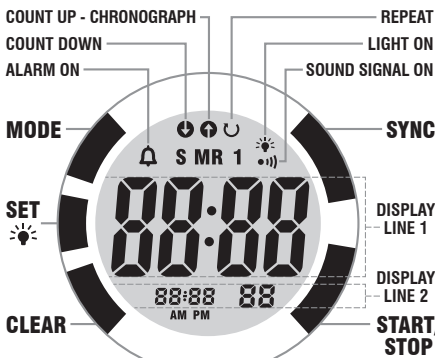
CLEAR START™

RACE TIMER & SAILING WATCHES

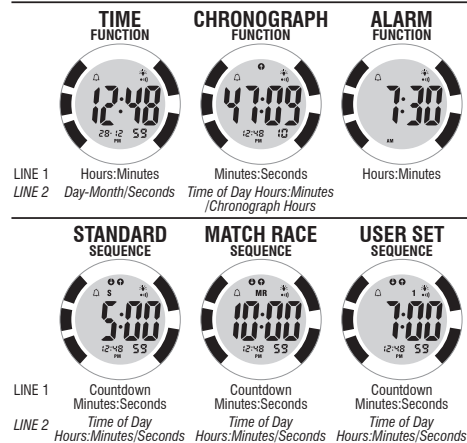
USER MANUAL

EN User Manual – Go to www.ronstan.com . See SUPPORT section.
 FR Manuel de l'utilisateur - Allez sur www.ronstan.com . Consultez la section SUPPORT
 ES Manual del usuario - Ir a www.ronstan.com . Vea la sección SUPPORT
 IT Manuale utente - Vai www.ronstan.com . Vedere la sezione SUPPORT
 NL Gebruiksaanwijzing - gaan naar www.ronstan.com . Zie SUPPORT sectie
 DE Benutzerhandbuch - Gehe zu www.ronstan.com . Siehe Abschnitt SUPPORT

BUTTONS & DIGITAL DISPLAY SYMBOLS



TYPICAL DISPLAYS



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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.

4. CHANGING BETWEEN TIME & RACING MODES

To change between the Time and Racing modes, hold down [MODE] then press [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 & release the [MODE] button repeatedly to toggle through Time 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.

6. RACING MODE

To change between the Time and Racing modes, hold down [MODE] then press [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. *Pressing and releasing the [MODE] button only will toggle through current mode functions.

6.1. Changing Between Start Sequences

When in Racing mode, press and release the [MODE] button repeatedly to toggle 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	One long beep
At 50,40,30,20 seconds to go	One short beep
At 15, 14, 13, 12, 11 seconds to go	Two short beeps
At 10, 9, 8, 7, 6 seconds to go	Three short beeps
At 5, 4, 3, 2, 1 seconds to go	One short beep
At zero (completion of countdown)	

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

8. BATTERY REPLACEMENT

! The watch and timer battery should be replaced by a qualified watchmaker.

Watch: 1x CR2032 3.0 volt Lithium battery
 Timer: 2x CR2032 3.0 volt Lithium battery

9. CARE & MAINTENANCE

Sailing and racing in a marine environment can be tough on equipment, including watches. To ensure your Clear Start™ performs as intended, the following care and maintenance procedures should be followed;

- After use in salt water, rinse the watch with fresh water to remove salt.
- Only use the watch to the recommended water resistant depth.
- Do not operate buttons while the watch is submerged.
- Avoid contact with chemicals; Sunscreens, lubricants, solvents, paint etc.
- Treat the watch with care and avoid dropping it.
- Do not open the watch. Battery replacement should only be carried out by a professional watch maker/technician.

10. WARRANTY

Ronstan International Pty Ltd warrants Clear Start™ Watches and Timers to be free of defects in materials or workmanship for one (1) year from the date of purchase by the original purchaser.

- This warranty shall not apply to any product which has been improperly fitted, improperly maintained, altered, abused or used in any application for which it was not intended.
- This warranty shall not apply to normal wear which can reasonably be expected in normal use of the product.
- Ronstan's liability shall be limited to the repair or replacement, at its discretion, of the defective goods.
- Ronstan's liability will only extend to compensating the purchaser for reasonable expenses involved in the claim after Ronstan determines that the claim is valid.

Full details of the Ronstan Warranty Policy can be found in the SUPPORT section of the Ronstan web sites.