

CHASER TIDE

MW1224G1
MW1224G2



2.0 Buttons and Its Functions



2.1 Buttons and Its Functions

Mode Button [M]

- To select among the Current Time, Current Tide Mode, Future Tide Mode, Chronograph, Timer and Dual Time Modes.

- To select among the setting items in setting display.

Start/Stop Button [S/S]

- To select between functional displays under the same mode.
- To activate the 'start' or 'stop' chronograph function in the chronograph mode.
- To view the next tide time in Current Tide and Future Tide Modes.

- To increase the digits in setting display.

Lap/Reset Button [L/R]

- To activate the 'lap' or 'reset' chronograph function in the chronograph mode.
- To decrease the digits in setting display.

- To view the previous tide time in Current Tide and Future Tide Modes.

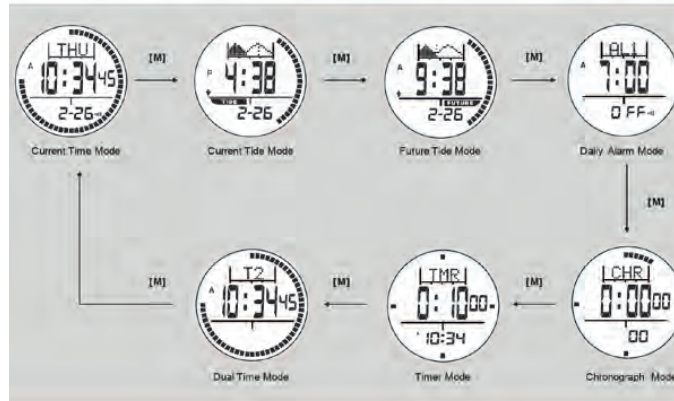
EL Button [EL]

- To turn on the EL back light for about 3 seconds.

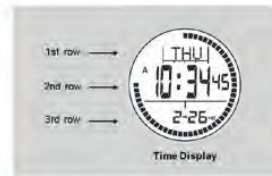
Note

Press any button to activate the watch under Power Saving Mode. (For more information, please refer to Chapter 12.0)

3.0 Major Function Modes - Timekeeping Mode and Tide Mode



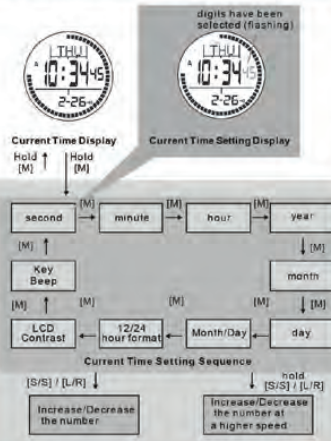
4.0 Current Time Mode



Time Display

- The day of week is exhibited on the 1st row of the display.
- The current time (hour, minute, second) is exhibited on the 2nd row of the display.
- The Month and day are exhibited on the 3rd row of the display.

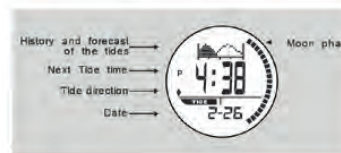
4.1 Current Time Mode - Setting the Current Time



How to Set the Current Time

- To select the setting display, press and hold the [M] button for about 2 seconds in the Current Time Mode. In setting display, the flashing "SET" icon will appear.
- In the setting display, press the [M] button to change the selection following the adjacent Current Time Setting Sequence.
- When the second digit is flashing (selected), press the [S/S] or [L/R] button to reset the digits to "00".
- When the digits are flashing (selected), press the [S/S] or [L/R] button to increase / decrease the number. (Hold down the button to change the number at a higher speed).
- When month-day order setting is selected, press the [S/S] or [L/R] button to select either month-day or day-month format. When 12/24 hour format setting is selected, press the [S/S] button to select either 12 or 24 hour format.
- When the LCD contrast is selected, press the [S/S] or [L/R] button to increase / decrease the contrast level (1 to 10). When key beep setting is selected, press the [S/S] or [L/R] button to turn ON or OFF the beep.
- When the setting is completed, press and hold the [M] button to exit the setting display.

5.0 Current Tide Mode - History and Forecast of the Tides



History and Forecast of the Tides

- This watch can show you the history and forecast of the tides near your place. The graph in the first row of the display shows the 24-hour tidal cycle. The peak of the graph represents the time of high tide while the trough of the graph represents the time of low tide. The shaded part of the graph shows the history of the tides while the empty graph shows the forecast of the tides.

Note:

- Tides are the rise and fall of sea levels caused by the combined effects of the gravitational forces exerted by the Moon and the Sun and the rotation of the Earth.
- Most places in the ocean usually experience two high tides and two low tides each day (semidiurnal tide), but some locations experience only one high tide and one low tide each day (diurnal tide). The times and amplitude of the tides at the coast are influenced by the alignment of the Sun and Moon, by the pattern of tides in the deep ocean and by the shape of the coastline and near-shore.
- This watch follows the world accepted average tide cycle of 6 hours, 12 minutes and 25 seconds from High tide to Low tide.

5.1 Current Time Mode - Moon Phase

Moon Phase indicator

- In this mode and the Future Tide mode, the Moon phase is also shown on the display.
- Different sizes or shapes of the encircled circular icon represent the actual Moon phase of the time shown on the display.
- The actual visible shapes of the moon in the sky is tabulated as below:

	New Moon				
Moon phase indicator					
Visible shapes in the sky					
	Full Moon				
Moon phase indicator					
Visible shapes in the sky					

5.2 Current Time Mode - Next Coming Tide Level

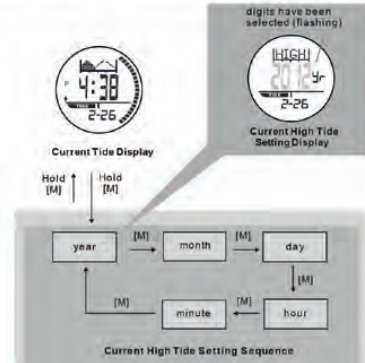


Next Coming Tide Level

- When you go into this mode, the time of the next coming tide level is shown on the display while the vertical flashing line on the graph shows the high or low tide.
- Press the [S/S] button to put forward to the next tide level or the [L/R] button to go back to the previous tide level.
- Press and hold the [S/S] or [L/R] button will put forward or go back the value at a faster speed respectively.
- The high tide or low tide will be shown at the graph with a vertical flashing line corresponding to the time and date shown in the second row and the third row of the display respectively.
- Since different locations may experience different tide cycles, it is better for you to adjust the tidal cycle of your watch when it is used for the first time or it is used in a different place other than your original location. Check the coming section "How to set the Current High Tide" for more detail.

CHASER TIDE CONTINUED

5.3 Current Tide Mode - Customizing your Current Location

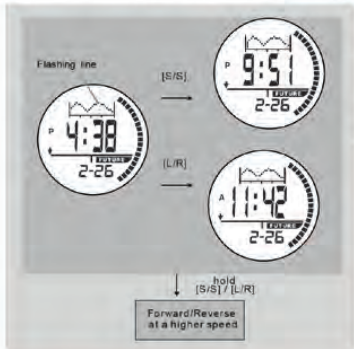


How to Set the Current High Tide

- You can set or adjust the time of current "HIGH" tide at your current location. You may get the tidal information at the local observatory or its website.
- To select the setting display, press and hold the [M] button for about 2 seconds in the Current Tide mode. In the setting display, the flashing "SET" icon will appear. The "HIGH" message will appear in the first row of the display and the year will flash in the second row.
- When the digits are flashing (selected), press the [S/S] or [L/R] button to increase or decrease the value respectively. (Hold the button to change the value at a faster speed.)
- Press the [M] button to change the selection following the Current High Tide Setting Sequence.
- When the setting is completed, press and hold the [M] button to confirm and exit the setting display.

Note: The time you set must be the "HIGH" tide near your location. Otherwise, the tidal information and Moon phase shown on the display in the Current Tide and Future Tide modes may be inaccurate.

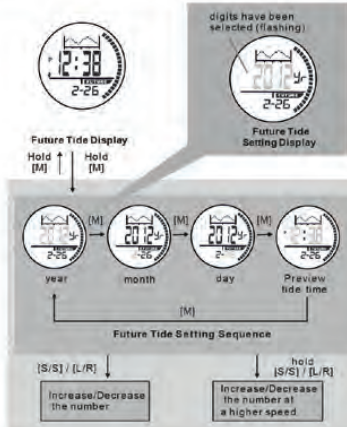
6.0 Future Tide Mode - Future Coming Tide Level



Future Coming Tide Level

- This watch can show you the tide level in the future.
- In the Future Tide mode, you can press the [S/S] button to put the time forward or the [L/R] button to go back to previous time for the tide level.
- Press and hold the [S/S] or [L/R] button will put forwards or go back the value at a faster speed respectively.
- The flashing line on the graph will show you the high tide or low tide with corresponding time shown in the second and third rows of the display. You may check the Future tide level by inputting any date you prefer.

6.1 Future Tide Mode - Setting the Future Tide Date

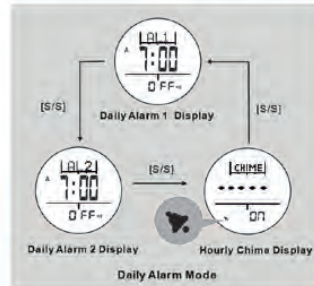


How to Set the Future Tide

- You can input date you want to check the future tide level. Please note that the time is the time of high or low tide as calculated by the watch.
- To select the setting display, press and hold the [M] button for about 2 seconds in the Future Tide mode. The flashing "SET" icon will appear.
- In the setting display, the year will flash in the second row.
- When the digits are flashing (selected), press the [S/S] or [L/R] button to increase or decrease the value respectively. (Hold the button to change the value at a faster speed.)
- Press the [M] button to change the selection following the Future Tide Setting Sequence.
- When the setting is completed, press and hold the [M] button to confirm and exit the setting display.
- The high tide or low tide will be shown at the graphical cycle with a vertical flashing line corresponding the time and date shown in the second row and the third row of the display respectively.

Note: Future Tide setting will be reset to 7 days after the Current time when you enter the Future Tide mode if your input date is past.

7.0 Daily Alarm Mode - Daily Alarm 1, Daily Alarm 2 and Chime Display



Daily Alarm 1 and Daily Alarm 2

- The Watch includes two daily alarms. Daily Alarm 1 and Daily Alarm 2. The Daily Alarm 1 and Daily Alarm 2 are working independently.
- Press the [S/S] button to switch among the Daily Alarm 1, Daily Alarm 2 and Chime Display following the adjacent diagram.

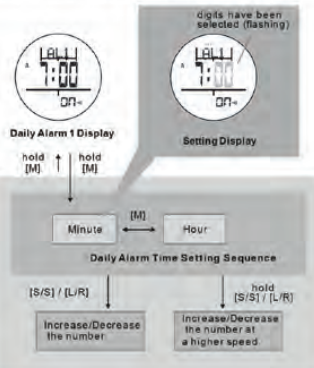
How to Turn ON/OFF the Daily Alarm

- To turn ON/OFF the Daily Alarm 1 (2), press the [L/R] button in Daily Alarm 1 (2) Display.
- When the Daily Alarm 1 (2) is ON, the alarm indicator will appear.
- If the alarm indicator appears, the Watch will sound at the preset alarm time every day. When the alarm sounds, press any button to stop the beep.

How to Turn ON/OFF the Hourly Chime

- To turn ON/OFF the Hourly Chime, press the [L/R] button in the Chime Display.
- When the chime is ON, the chime indicator will appear. If the Chime indicator appears, the Watch will beep on the hour.

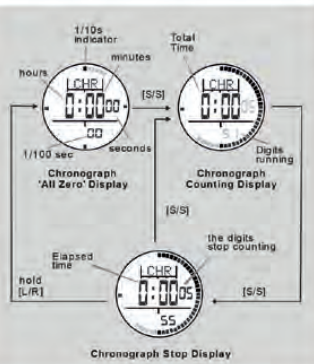
7.1 Daily Alarm Mode - Setting the Alarm



How to Set the Alarm 1 and Alarm 2

- To select the setting display, hold the [M] button for about 2 seconds in the Alarm 1 (2) Display, then the flashing "SET" icon will appear.
- In the setting display, press the [M] button to change the selection between minute and hour.
- When the digits are flashing (selected), press the [S/S] or [L/R] button to increase / decrease the number. (Hold down the button to change the number at a higher speed.)
- When the setting is completed, press and hold the [M] button to exit the setting display.

8.0 Chronograph Mode - Start/Stop the Chronograph



Chronograph Mode

- The Watch includes a function to measure elapsed time, accumulative elapsed time and lap times - Chronograph Mode.
- The display shows an 'All Zeros' display when the chronograph is selected the first time or it is reset.

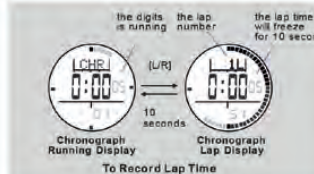
How to Start/Stop the Chronograph

- When the chronograph is stopped (not counting), press the [S/S] button once to start the chronograph (counting); press the [S/S] button once again to stop the chronograph (not counting). Repeating these steps will get an accumulative elapsed time.

How to Reset the Chronograph

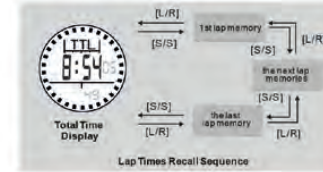
- To record a new set of elapsed time, hold the [L/R] button for 2 seconds to reset the chronograph to the "All Zeros" display when the chronograph is stopped.
- In the "All Zeros" display, the chronograph is ready for a new counting.

8.1 Chronograph Mode - Recording and Recalling Lap Time



How to Record Lap Time

- The chronograph can measure elapsed time without stopping the counting - lap time.
- The Chronograph Mode allows recording lap time up to 100 laps.
- When the chronograph is counting, press the [L/R] button once to record a lap time (this key operation will not affect the counting).
- The lap number and lap time will appear on the display for 10 seconds, and it returns to counting display automatically.
- Repeat the steps mentioned above to get another lap time.



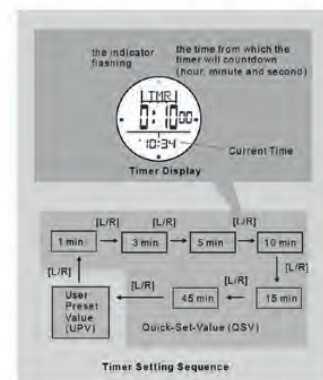
How to Recall Lap Times

- To recall lap time, hold down the [M] button in the Chronograph Display.
- When the Total Time Display appears, press the [S/S] or [L/R] button to check the next or previous lap time respectively.
- Hold down the [M] button to go back to the Chronograph Display.

How to Reset Lap times

- To record a new set of lap time, hold the [L/R] button for 2 seconds when it is stopped.

9.0 Timer Mode - Countdown Timer and the Quick-Set-Value



Countdown Timer

- The Watch includes a countdown timer feature: the Timer Mode.
- The Timer starts counting from the preset value to zero and stops at zero.

The Quick-Set-Value (QSV)

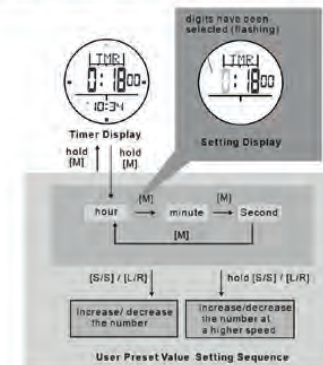
- The Quick-Set-Value is a set of values preset in the Watch for recalling the timer more easily.
- There are 6 Quick-Set-Values: 1, 3, 5, 10, 15 and 45 minutes, and these values CANNOT be changed by the user.

The User Preset Value (UPV)

- The User Preset Value is a value which can be set by the user.
- The setting limit is up to 99 hours 59 minutes 59 seconds.
- Once the User Preset Value is set, like 30 minutes, the value is stored into the Watch for the user to recall it in the future.
- To set the UPV, check the coming section "How to Set the User Preset Value" for more details.

Note: The adjacent diagram shows how to select the preset timer value. Press [L/R] button to select the preset timer value.

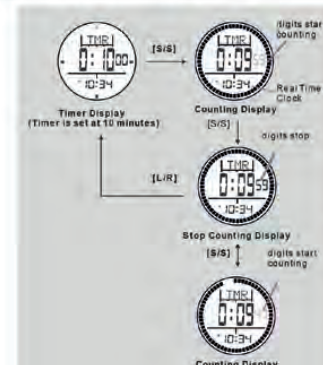
9.1 Timer Mode - Setting the User Preset Value



How to Set the User Preset Value

- To select the setting display, hold the [M] button for 2 seconds, and the flashing "SET" icon will appear.
- In the setting display, press the [M] button to change the selection among hour, minute and second.
- When the digits are flashing (selected), press the [S/S] or [L/R] button to increase / decrease the number. (Hold down the button to change the number at a higher speed.)
- When the setting is completed, hold the [M] button to exit the setting display.

9.2 Timer Mode - Using the Timer



How to Use the Timer

- When the Timer is set, press the [S/S] button to start the timer. Press the [S/S] button once again to stop the timer.

Timer Alarm Sound

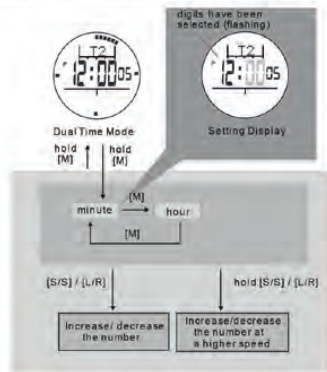
- In the last 10 minutes, the Watch will beep for every minute.
- In the last minute, the Watch will beep for every 10 seconds. In the last 5 seconds, the Watch will beep for every second.
- When it reaches 0, a beep sound will last for 30 seconds. Pressing any button can stop the beep sound.

How to Reload the Timer

- The last target time will be reloaded automatically at the end of the 30-second beep sound.
- Press the [L/R] button when the timer is stopped.
- To start a new counting by using a new target time, set the timer again either by QSV or UPV.

CHASER TIDE CONTINUED

10.0 Dual Time Mode - Dual Time and Setting the Dual Time



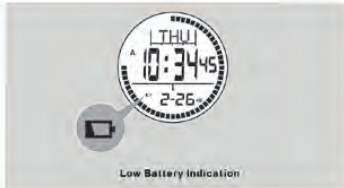
Dual Time Mode

- The Watch includes a function to show the time of a second time zone - Dual-Time Mode.
- The second digit of the dual time synchronizes with the Current Time.

To Set the Dual Time

- To select the setting display, hold the [M] button for 2 seconds in the Dual Time Mode and the flashing "SET" icon will appear.
- In the setting display, press the [M] button to change the selection between minute and hour.
- When the digits are flashing (selected), press the [S/S] / [L/R] button to increase / decrease the number (hold down the button to change the number at a higher speed).
- When the setting is completed, press and hold the [M] button to exit the setting display.

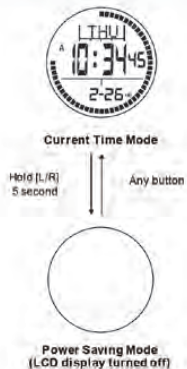
11.0 Low Battery Indication & Battery Replacement



Low Battery Detection

- When the battery-low indicator appears on the display, it means that the capacity of the battery is low. It is recommended to replace the battery with a new CR2032 battery.
- However, if the appearance of battery-low indicator is caused by using the Watch under very cold condition, the indicator will disappear when normal temperature returns.

12.0 Power Saving Mode



Power Saving Mode

- This Watch has a Power Saving Function which can turn off the LCD display so that the battery can last longer.
- In the Power Saving Mode, the watch function is still working normally. (i.e. The timekeeping function is still running in Power Saving Mode.)

How to enter/exit the Power Saving Mode

- To enter the Power Saving Mode, hold down the [L/R] button in Current Time Mode for about 5 seconds and the LCD display will be turned off.
- Press any key in Power Saving Mode to exit (this mode and the LCD display will be resumed).