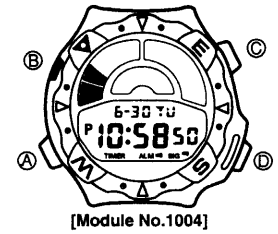
OPERATION CHART: MODULE QW-1004

READING THE DISPLAY

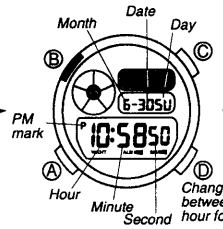


[Module No.1004]

The operational procedures for Modules 932 and 1004 are identical. All of the illustrations in this manual show Module 932.

Press Ⓐ for an outline of all functions.
Each function is explained on the following pages.

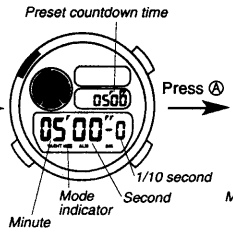
REGULAR TIMEKEEPING MODE



[Module No.932]

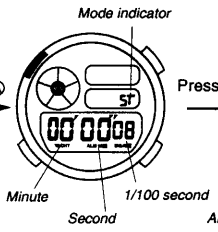
Press Ⓐ

YACHT TIMER/COUNTDOWN ALARM MODE



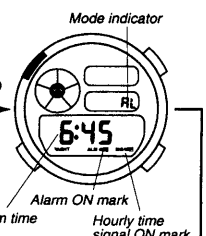
Press Ⓐ

STOPWATCH MODE



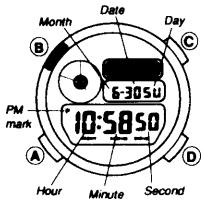
Press Ⓐ

DAILY ALARM MODE



Press Ⓐ

SETTING TIME AND DATE



1) Press Ⓑ in the REGULAR TIMEKEEPING MODE to set correct time.
2) Press Ⓓ referring to a time tone to correct seconds.
3) Press Ⓐ to shift flashing digit(s).
Digit(s) to be changed will flash.

Press Ⓐ → SECOND → HOUR → MINUTE → MONTH → DATE → DAY → SECOND

4) Each press of Ⓓ increases the digit one by one.
Hold down for rapid advance.
5) Press Ⓑ to complete setting.

Display automatically returns to the time display if left unused for a few minutes.

USING TACHT TIMER/COUNTDOWN ALARM

The mode indicator is lit, when the YACHT TIMER is selected.

This function combines a Yacht timer and a Countdown alarm.
YACHT TIMER is preset to 5 minutes.
COUNTDOWN ALARM is settable from 1 minute to 60 minutes.

USING THE TIMER

1) Press Ⓑ in the YACHT TIMER/COUNTDOWN ALARM MODE to switch between timers.

Press Ⓑ → Yacht timer → Countdown alarm

2) If the COUNTDOWN ALARM is selected, the measuring time should be set by pressing Ⓒ.
3) Press Ⓓ to start/stop.
4) Press Ⓒ to reset to the measuring time while the timer is not running.

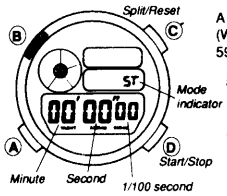
A signal confirms start/stop and reset operation.

The Yacht Timer and Countdown Alarm take 8 measurements from when they are started until they are stopped by pressing the Ⓓ button. These functions stop automatically after 8 measurements.

When display reaches 0, a beeper sounds for 10 seconds. Pressing any button stops the beeper. Timer automatically repeats the countdown.

In the Yacht timer, an advance warning beeper indicates elapsed time (4,3,2,1 minutes, 50, 40, 30, 20 seconds to start). When the countdown reaches 10 seconds before starting time, a beeper sounds every second.

USING STOPWATCH



A signal confirms start/stop and split/reset operation.
(Working range) Total elapsed time display is limited to 59 minutes 59.99 seconds. For longer times reset and started again.

a) Net time measurement

Ⓓ START → Ⓓ (Time loss) STOP → Ⓓ RESTART → Ⓓ STOP → Ⓒ RESET

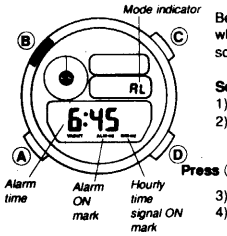
b) Split time measurement

Ⓓ START → Ⓒ SPLIT → Ⓒ SPLIT RELEASE → Ⓓ STOP → Ⓒ RESET

c) 1st-2nd place times

Ⓓ START → Ⓒ SPLIT (The first runner finishes.) → Ⓓ STOP (The second runner finishes. Record the time of the first runner.) → Ⓒ SPLIT RELEASE (Record the time of the second runner.) → Ⓒ RESET

USING DAILY ALARM



Beeper sounds for 20 seconds at preset time every day until cleared when daily alarm is set. Press any button to stop beeper. Signal sounds every hour on the hour if time signal is set.

Setting daily alarm

1) Press Ⓑ in the DAILY ALARM MODE to set a new alarm time.
2) Press Ⓐ to shift flashing digit(s). Digit(s) to be changed will flash.

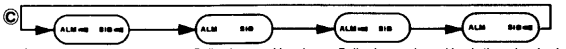
Press Ⓐ → HOUR → MINUTE

3) Each press of Ⓓ increases the digit. Hold down for rapid advance.
4) Press Ⓑ to complete setting.

Display automatically returns to initial daily alarm time if left unused for a few minutes.

On or off setting of alarm and time signal

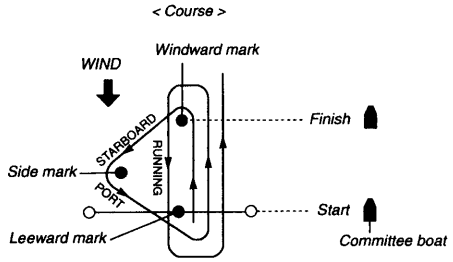
Press Ⓒ →



Daily alarm and hourly time signals sound. → Daily alarm and hourly time signal do not sound. → Daily alarm only sounds. → Hourly time signal only sounds.

USING THE DIRECTION BAZEL(MODULE NO.1004)

The direction bezel of the watch can be used as a navigating instrument during yacht races.

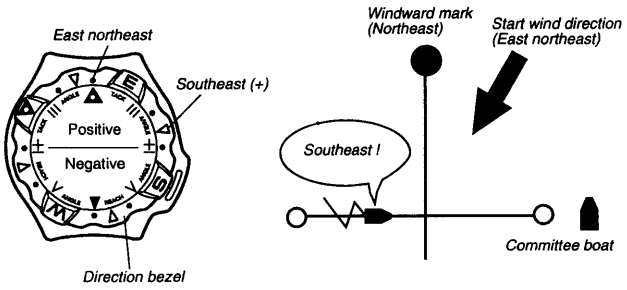


Determining the Optimum Start Position
The wind direction often changes after the Windward Mark position is set. With the following procedure, you can easily find out the optimum start position.

1. Use a compass to check the wind direction.
2. Rotate the bezel of the watch so that the wind direction is aligned with the ▲ mark at the 12 o'clock position on the watch's face.
3. Sail along the start line (between the start line markers) towards the committee boat.
4. As you sail towards the committee boat, take a compass reading of your bearing, and compare locate the bearing on the bezel of the watch.

- If your bearing falls in the positive (+) area of the bezel (see figure), your best start position is nearer to the committee boat (to the right of the Leeward Mark).
- If your bearing falls in the negative (–) area of the bezel, your best start position is further from the committee boat (to the left of the Leeward Mark).

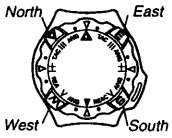
Example: Actual wind direction is east northeast



Pre-Start Preparation
Use the following procedure to set up the watch for tacking directions and mark bearings.

1. Before the start (after determining the optimum start position), use a compass to determine the bearing to the Windward Mark.
2. Rotate the bezel to align the bearing (direction) to the Windward Mark with the ▲ mark at the 12 o'clock position on the watch's face.

Example: when the windward mark bearing is northeast.



- **Tacking Directions**
  Using your compass together with the TACK ANGLE marks help you determine the correct tacking direction.

I. The TACK ANGLE on the upper left of the watch face is the angle that should be used when tacking from port to starboard.
II. The TACK ANGLE on the upper right of the watch face is the angle that should be used when tacking from starboard to port.

- **Mark Bearings**
  Once you make the settings described above, you can use your compass together with the REACH V ANGLE and ▼ marks to determine the bearing you should keep in order to reach the next course mark.

Important
This function works only when the Side Mark form a 45° angles with the Windward Mark.

I. Starboard Tack
The bearing from the Windward Mark to Side Mark is indicated by the REACH V ANGLE on the lower left of the watch face.
II. Port Tack
The bearing from the Side Mark to the Leeward Mark is indicated by the REACH V ANGLE on the lower right of the watch face.
III. Running Tack
The bearing from the Leeward Mark to Windward Mark is indicated by the ▼ mark at the 6 o'clock position of the watch face.