

Technical Letter

BOOK NO. 486

SERIES DN90

Your new Caravelle Multi-Function LCD Quartz Chronograph features:

1. Timekeeping precision with a simple electronic setting system for hours, minutes, seconds, day, date, month and year
2. Split Screen with Graphic Mode Indicator Bar
3. Complete 1/100-second Chronograph function
4. Split or Lap Timer
5. Countdown Timer
6. Dual Alarms
7. Hourly Chime
8. Dual Time
9. 12/24-Hour Option
10. Water-resistance to 50 meters
11. LifeTime Electroluminescent Lamp

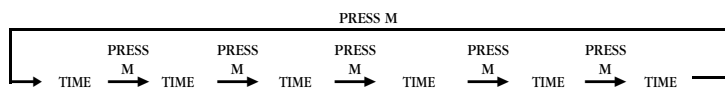
DISPLAYS AND CONTROLS



The watch has six split screen display modes: time/calendar; time/alarm 1; time/alarm 2; time/chronograph; time/countdown; time/dual time. Split screen permits continuous normal time viewing within any specialized function. Easy function control is provided by the four case buttons:

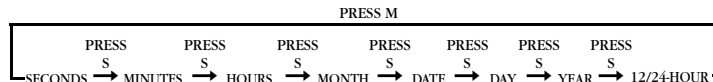
- M (Mode), at 10 o'clock
- R (Reset), at 4 o'clock
- S (Stopwatch), at 2 o'clock
- L (LiteTime), at 8 o'clock

SELECTING BASIC FUNCTIONS



- Press **R** to advance flashing digit(s). Keep **R** depressed for rapid advance, or press and release for step-by-step movement.
 - Press **S** to move to next setting function.
- To complete setting sequence at any point during setting, press **M**.

DIAGRAM OF TIME/CALENDAR SETTINGS



Setting the Calendar

- From hours setting (above), press **S**. The months digit(s) will flash.
- Press **R** to advance flashing digit(s). Keep **R** depressed for rapid advance, or press and release for step-by-step movement.
- Press **S** to proceed to date and day settings as illustrated above. The digit(s) or day indicator being set will flash.
- Press **R** to advance flashing digit(s) or day. Keep **R** depressed for rapid advance, or press and release for step-by-step movement.
- From day setting, press **S**. The year display will appear in the lower screen.
- Press **R** to advance year (up to 2035). Keep **R** depressed for rapid advance, or press and release for step-by-step movement.
- Press **S** to move next setting function.

To complete setting sequence and return to time/calendar display at any point during setting, press **M**.

Selecting the 12- or 24-Hour Display

- From your setting (above), press **S**. A flashing "12 H" or "24 H" will appear in the lower right of the lower screen.
- Press **R** to select 12- or 24-hour option.
- Press **S** or **M** to complete setting sequence and return to time/calendar display. If 12-hour timing is chosen, the letters "AM" or "PM" will appear to the right of the time display in Time/Calendar Mode, and an "A" or "P" will appear to the right of the lower screen display in Time/Alarm 1, Time/Alarm 2 and Time/Dual Time Modes.

The Hourly Chime

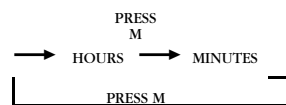
- To activate the hourly chime: With watch in Time/Calendar Mode, press **S** and **R** simultaneously. The chime will sound once, and "CHI" will be highlighted on the mode indicator bar.
- To deactivate the chime: Press **S** and **R** simultaneously again. The chime will sound once, and "CHI" will no longer be highlighted. Once activated, the hourly chime will sound two beeps on the hour.

TIME/ALARM MODE

To display and set Alarm 1 and Alarm 2. Normal time readout appears in the upper screen, with Alarm 1 or Alarm 2 setting displayed on the lower screen. "AL1" or "AL2" will be highlighted and flashing on the mode indicator bar.

Setting and Activating Alarms

DIAGRAM OF ALARM TIME SETTINGS



- Press **M** to move to Alarm 1 or Alarm 2. If alarm is set, the alarm time will appear in the lower screen. If alarm is not set, the lower screen will read "OFF"
- To turn alarm on and off, press **R**. The chime will sound when alarm is activated and deactivated.

Using the Split or Lap Timer

- For a split or lap time display: With stopwatch running, press **R**. "SPLIT" indicator will appear at upper right of stopwatch display; it will flash to indicate that stopwatch timing continues. To return to stopwatch display, press **R** again.
- For a split stop time: With split or lap time displayed, press **S**. The "SPLIT" indicator will stop flashing.
- For a total elapsed time display: From a split stop, press **R**.
- To resume stopwatch timing from this point, press **S**. Each time **S** is pressed, there will be a confirmation beep. The chronograph will not automatically reset if the watch is moved to another mode. If the mode is changed with the stopwatch running, it will continue to run and you can return to the running display. If the mode is changed with the chronograph stopped in either stopwatch or split or lap timing, you can return to the finish time display.

TIME/CHRONOGRAPH MODE

For stopwatch and split or lap timing in 1/100-seconds for up to 1 hour.

Normal time readout appears in the upper screen, with Chronograph timing displayed on the lower screen. "STP" will be highlighted and flashing on the mode indicator bar.

Using the Stopwatch

- Press **M** to move to Chronograph/Stopwatch Mode. The lower screen display will read 00'00"00 (maximum readout is 59'59"99).
- To start stopwatch, press **S**.
- To stop stopwatch and get a finish time, press **S** again.
- To restart, press **S** once more.
- To reset, press **S** to stop timing; then, press **R**.

TIMER/COUNTDOWN MODE

For countdown timing from 99 minutes to 1 second. Normal time readout appears in the upper screen, with Countdown Time displayed on the lower screen. "SET" and "TMR" will be highlighted on the mode indicator bar, with "TMR" flashing.

Once started, timing will continue even if display is changed to another mode.

- Press **M** to move to Countdown Timer. The lower screen display will indicate total minutes and seconds. The flashing total countdown indicator to the right of the display will indicate total minutes.
- To set timer to desired interval, press **R**. Timer can be set in 1-minute increments.
- To start countdown, press **S**. Timer readout will begin counting down. Total countdown indicator will display total time set; it will not flash.
- To stop countdown, press **S** again.
- When countdown reaches 00'00", the time will sound for 10 seconds.
- Each time **S** is pressed, there will be a confirmation beep.

TIME/DUAL TIME

For timekeeping ease in two timezones.

A full readout of hours, minutes and seconds appears in the upper screen. Lower screen displays an hours and minutes readout. "DUAL" will be highlighted and flashing on the mode indicator bar.

- Press **M** to move to Dual Time.
- With dual time displayed, press **s** for 2 or 3 seconds until hours digit(s) and AM/PM indicator (if in 12-hour timing on time readout) flash.
- Press **R** to advance flashing digit(s). Keep **R** depressed for rapid advance, or press and release for step-by-step movement.
- Press **S** to proceed to minutes setting. Minutes digits will flash. (If minutes do not need setting, press **M** to complete setting sequence.)
- Press **R** to advance flashing digits. Keep **R** depressed for rapid advance,