

# SPORTLINE 470 100 MEMORY STOPWATCH WITH COUNTDOWN TIMER OWNER'S MANUAL

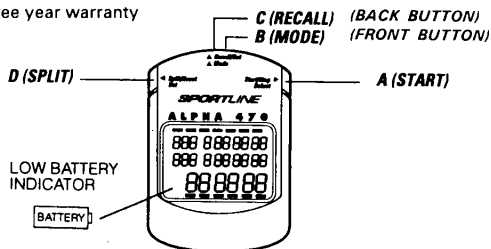
## CONGRATULATIONS

You now own the 470 100 Memory stopwatch, a state-of-the-art timing device with one-button instant split action that allows you to take splits over and over, quickly and accurately.

Please read these directions carefully so that you might fully enjoy the capabilities of your exciting MEMORY stopwatch.

## FEATURES

- Recalls last 100 dual splits (with running time display)
- Recalls the splits in hour, minute, second and 1/100 second
- One button rapid split action
- Instant split update (Lap & Cum splits "release" after 5 seconds to showing current lap running time)
- Programmable auto repeat countdown timer
- Automatic lap split counter to 999 laps
- Live memory review (recalls dual split times while you continue to time)
- Fastest, Slowest and Average lap times feature
- Normal or military calendar clock display with hourly and daily alarm
- Brightness adjustment
- Three year warranty



## DISPLAY CONTRAST-BRIGHTNESS

Your stopwatch has a unique display contrast feature. This allows you to adjust the Brightness of the display to 15 "levels" of brightness.

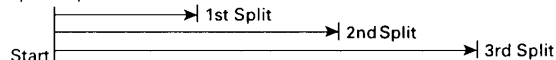
TO ADJUST THE DISPLAY:

FROM NORMAL TIME MODE:

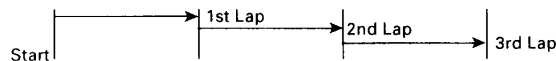
1. Press B until you enter ALARM MODE
2. Press A to adjust the brightness you prefer
3. Press B to exit the ALARM MODE

## CUM SPLIT TIME AND LAP SPLIT TIME

Cum Split time (SPLIT) is the time elapsed from the starting point to a specific point



Lap Split time (LAP) is the time elapsed for one time sequence or interval



## TO SET 12/24 HOUR FORMAT AND CHIME ON/OFF

The starting point for operating your stopwatch is NORMAL TIME. If NORMAL TIME is not displayed. Press B until it appears.

In NORMAL TIME MODE:

1. Press A to change from 12 hour to 24 hour time (or vice-versa) "A" or "P" will appear in 12 hour format and nothing will appear in 24 hour format.
2. Press D to turn hourly chime ON or OFF

## To Set TIME OF DAY:

From NORMAL TIME Mode:

1. Press and hold C for 2 seconds to enter TIME setting area (second digit will flash). Press D to reset second to 00.
2. Press B to shift (move) flashing digits. Digits to be changed will flash

(second > minute > hour > day > month > day of week > year)

3. Press D to advance flashing digits. Keep pressed to advance digits quickly.
4. Press C to return to NORMAL TIME.

## To Set Alarm and Alarm ON/OFF

From NORMAL TIME mode:

1. Press B until you enter ALARM MODE
2. Press D to turn daily alarm ON or OFF
3. Press and hold C for 2 seconds to enter ALARM Setting area (minute digit will flash)
4. Press B to shift (move) flashing digits. Digits to be changed will flash (minute > hour)
5. Press D to advance flashing digits. Keep pressed to advance digits quickly.
6. Press C to return to ALARM MODE
7. Press B to exit the ALARM MODE

## COUNTDOWN TIMER MODE:

The Countdown Timer records the time remaining in any timing activity. It tells you how much time is left, sounding an alarm when the activity time is over.

## To Run COUNTDOWN TIMER:

From NORMAL TIME MODE:

1. Press B until you enter COUNTDOWN TIMER MODE
2. Press A to start or stop COUNTDOWN TIMER (Timer will run only if a time is entered).
3. Press D \* if timer is running, this button has no function \* if timer is stopped, this button RESETS the timer to preset countdown time
4. Press C \* if timer is running, this button has no function \* if timer is stopped, press for 2 seconds to enter TIMER SET mode

## TO Set COUNTDOWN TIMER:

1. Press C for 2 seconds (you must be in COUNTDOWN TIMER MODE) 1/10 second digit will flash.
2. Press B to shift (move) flashing digits, digits to be changed will flash (1/10 second > second > minute > hour)
3. Press D to advance flashing digit. Keep pressed to advance digits quickly.
4. Press C to return to COUNTDOWN TIMER mode.
5. Press B to exit the COUNTDOWN TIMER mode.

NOTE: 1. When the countdown timer reaches zero

- there will be a single beep if the preset timer value is less than 1 second.
  - there will be two beeps if the preset value is less than 1 minute.
  - the device will alarm for 16 seconds if the preset value is greater than 1 minute. It can be stopped by any key press.
2. If the timer is running, it will keep on running even you have entered the other mode.

## STOPWATCH MODE

From NORMAL TIME, Press B three times, and the stopwatch indicator (STW) appears. The "stopped" chronograph display will appear (all zeros). If not, press A and then D to reset stopwatch to "ZERO" If the stopwatch is running. Press D to reset the stopwatch otherwise. The range of the stopwatch is 10 hours with accuracy and resolution to 1/100 of a second.

## Single Event (Time-Out) Timing.

1. Press A to start timing.
2. Press A to stop timing. Press A if you wish to resume timing after a "time-out"
3. Press D to reset the stopwatch to ZERO

## Split Timing & Multiple Split Timing with Recall

1. Reset the stopwatch to ZERO by pressing A and D (if stopwatch was running)
2. Press A to start timing.
3. Press D to take a Split and Lap time. Continue to press D to record additional "Dual" splits.

## NOTE:

REMOVE the plastic cover from the display before use  
AND

REMOVE the Battery Insulation strip and press ALL Buttons simultaneously to reset the unit before use  
(These were used to preserve battery power)

4. Press A to stop timing.

**NOTE:** After 5 seconds, both split and lap times automatically return to "running" time to allow you to "see" the current running time of the individual lap.

#### Memory Recall Feature

Your stopwatch has the power to recall the last 100 completed cumulative and lap splits at any time.

#### To use the MEMORY RECALL when the stopwatch is running:

(Times will recall from last lap to first lap)

1. When the stopwatch is running, press C until the "RECALL" flag appears on the stopwatch display.
2. Continue to press C to recall previous splits.
3. Press D to take the next split -OR-
4. Press B to return to "operating" stopwatch mode (this is if you don't want to take a split at the time when you return to the running stopwatch mode.)

#### To use the MEMORY RECALL when the stopwatch is stopped:

(Times will recall from first lap to last lap)

1. Press C until the "RECALL" flag appears on the stopwatch display.
2. Continue to Press C to recall splits in memory. Keep pressed to advance recall splits quickly.
3. When completed, recall display will return to last split time instantly if you press B.
4. Press D to reset stopwatch to ZERO. All memories will be cleared.

#### Fastest, Slowest and Average Lap Time Feature

The fastest, slowest and average lap time feature will give you the fastest, slowest and average of the current lap times of the event being timed. To get this information during an event:

1. Press C until the "FAST" flag appear. The fastest Lap Time will be shown on the middle row of the display. Continue to press C to obtain the slowest and average Lap times. ("SLOW" or "AVG" flag will appear on the display)
2. Press B to return to stopwatch display.

Fastest, slowest and average Lap Times can be displayed after the event timing and prior to resetting the display to ZERO. When the stopwatch is stopped, press C to read the Fastest, Slowest and Average Lap Times, then D to reset the stopwatch.

**NOTE:** Average Lap Time will be calculated for a maximum of the last 999 laps in memory.

#### CARE OF YOUR WATCH

- \* **Battery Life:** 1 year battery life starts when battery is factory installed.  
At first sign of power fade renew battery with new 3.0 Volt CR2032 button cell lithium battery (one piece).
- \* A water proof rubber seal is used to exclude water and dust. As rubber deteriorates after long usage, the seal should be replaced periodically (every 2-3 years).
- \* Should water or condensation appear in the watch, immediately have it overhauled because water can corrode electronic parts inside the case.
- \* Avoid exposing it to extremely high and low temperatures.
- \* Although the watch is designed to withstand shocks under normal use, it is inadvisable to subject it to hard knocks-rough usage or drops onto hard surfaces.
- \* Clean the watch with a soft cloth, dry or moistened with mild soap. To avoid surface damage, never use volatile chemicals (such as benzine, thinner, spray cleaners, etc.)
- \* Avoid exposing the stopwatch to strong chemicals such as gasoline, cleaning solvent, aerosol spray, adhesive agent, paints, etc., whose chemical action will destroy the seals, case and finish.

#### SPECIFICATIONS

Accuracy at a normal temperature:  $\pm 15$  seconds per month

Display capacity:

- \* TIME DISPLAY: Hour, minute, second, 12 or 24 hour, year, month date and day.
- \* STOPWATCH DISPLAY:  
Measuring Capacity:  
Normal Stopwatch: 1/100 seconds to 9 hours, 59 minutes, 59.99 seconds.

#### SPORTLINE WARRANTY

##### Three Year Limited Warranty

Sportline warrants that this unit is free from manufacturing and material defects under normal use for three years from the date of purchase. Sportline will repair or, at its option, replace the unit without charge for parts or labor. This Warranty does not apply to any defect caused by negligence, accident, unreasonable use, or repair.

No responsibility is assumed for any incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts and some states do not allow the exclusion of limitation of incidental or consequential damages, so that the above limitation or exclusion of incidental or consequential damage may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To exercise this warranty, please 1) provide proof of purchase date (copy of sales receipt or cancelled check); 2) describe the problem; and 3) send unit, postage prepaid, to the address below. (to insure against loss in transit, you may wish to insure the package. If mailing from outside the U.S. send by Parcel Post and mark: "Product of USA-Return for Repair").

##### SPORTLINE

##### GUARANTEE CERTIFICATE

If at any time within three (3) years from the purchase date of this product, it fails to perform properly because of defects in material or manufacturing, return it prepaid to:

SPORTLINE, Inc.  
Customer Service Department  
847 McGlincey Lane  
Campbell, CA 95008

Complete this Guarantee Certificate and enclose it (or a copy of it) with the product.

**To expedite replacement DO NOT return the defective unit to the store from which it was purchased but return it directly to SPORTLINE.**

Fill out information requested below (PLEASE PRINT CLEARLY)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

STORE PURCHASED FROM \_\_\_\_\_

DATE OF PURCHASE \_\_\_/\_\_\_/\_\_\_ PURCHASE PRICE \_\_\_\_\_

PROBLEM WITH PRODUCT \_\_\_\_\_

##### REPLACEMENT

This product has been carefully designed, manufactured and packaged for SPORTLINE.

If any parts are missing or damaged, please contact us at the address above and we will promptly send to you, at no charge, the parts that you require.

By contacting SPORTLINE rather than the company from which you purchased this product, we will be able to more rapidly service your needs.

SPORTLINE, 847 McGlincey Lane, Campbell, CA 95008