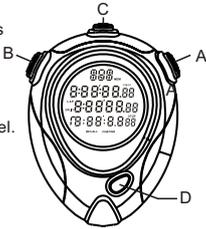


Thanks for purchasing this professional stopwatch. There are 2 models of different memory in the series. Please refer to the following list for your model.



**GENERAL**

MODEL	MEMORY
46-136	60
46-135	100

**FEATURES**

**CHRONOGRAPH**

- Display of lap, split and running chronograph
- Measure up to 9hours 59 minutes and 5999 seconds



- 10/60/80/100 re-callable lap and split memories
- Display of best (BES), slowest (SLO) and average (AVE) lap time for the laps traversed
- Memory recall after reset and during operation
- Lap counter (0-99-999)

**TIMER**

- Dual timers which start one after another for use in training programs
- Can be used as ordinary count down timer if 2nd timer is not set

**PACER**

- Presettable from 10 beeps/minute to 320 beeps /minute
- Display of pacer frequency, beep counter elapsed simultaneously

**CLOCK**

- Hour, minute, second, month, date, day, year and alarm, auto calendar
- 12/24 hour and month/date or date/month display user option

**CHRONOGRAPH OPERATION**

- 1. Depress D to select the operating mode. The chronograph indicator is shown. Depress A to start.



Depress B to read the 1st lap time. LAP is shown in the upper row, SPLIT is shown in the middle row and RUNNING CHRONO is shown in the bottom row



Depress B to display the 2nd lap time. The "2" digit in top line is the lap counter.



Depress B to display the 3rd lap time.



Depress A to stop counting.



Depress C will display the average (AVE) lap time of the laps traversed. (Memory can be recalled anytime when the chronograph is either running or stopped)



Depress C will display the fastest or best (BES) lap time of the laps traversed.



Depressing C again will display the slowest (SLO) lap time of the laps traversed. Depression of C will display the average (AVE), best (BES) and slowest (SLO) lap time alternately.



Depress B to recall 1st lap data during the RECALL mode.



Depress B again to recal the 2nd lap data



Depress B again to recall the 3rd lap data

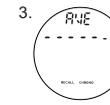


Depress B again to recall the last stopped time

**NOTE:**

1. With each press of B, the stored data is recalled successively in the following order:  
Lap/Split 1 → 2 → 3 → ..... 10/60/80/100

2. With each press of A, the stored data is recalled successively in the following order:  
Lap/Split 10/60/80/100 → ..... 3 → 2 → 1



If either lap or split is more than 9 hours 59min 59.99 sec, the power of the computer will be exceeded and the AVE, the BES and the SLO information will be disabled and display as shown.



Another depression of D button will return the chrono to the stopped status. Depress A to restart counting or B to reset to "0"

**NOTE:**

Even if the stopwatch is reset to "0", the stored data will not be erased and can be recalled by following the above procedure unless it's a new measurement. In that case the STOP mark is not shown on the display.

**TIMER OPERATION**



Depress D button until the stopwatch goes to the TR mode. The top row is the display for the 1st timer and the middle row is the display for the 2nd timer.

Press and hold B button for 2 second to go into the SET TR mode with the hour digit of the 1st timer blinking. Press A button to set to desired hour for countdown. Press B to go to the first digit in minutes and press A to set minutes. Similarly by using B and A buttons, the desired countdown time for the 1st and 2nd timer can be set.



Press A to start countdown with the "1" at the top right corner blinking and the timer setting counting down. When the 1st timer approaches zero, the timer gives 4 beeps and the 2nd timer starts counting down immediately. When the 2nd timer approaches zero, it gives 2 beeps and the 4 digit counter at the lowest row advances by 1 automatically. At any time during countdown, pressing A will stop counting. If only the 1st timer is set, the timer is used as an ordinary countdown time and will give automatically when the timer reaches zero.

**PACER OPERATION**



Depress D to select the PACER mode. The display will be as shown with the last 2 digits at the lower row blinking. At this status depressing B will sequence the PACER frequency as follows: 10, 20, 30, 40, 60, 80, 120, 160, 200, 220, 240, 320.



Depress A to start PACER. A beeping sound of 320 beeps/minute will sound. The beep counter is at the center and PACER frequency is on the lower row. The beep counter has a range of 9999. Depress A to stop PACER.

**NOTE:**

PACER will be reset if stopwatch is switched to another mode.

**CLOCK AND ALARM TIME ADJUST**



Depress D to select CLOCK mode. The alarm hour, alarm minutes, month, date, day, year, hour, minutes and seconds are displayed as shown. Keep B pressed for 2 seconds to show the clock setting display. The alarm time HOUR digits start flashing. Time setting can be done by means of depressing B to select digits and A to advance digits.

**46-135 & 46-136**

**NOTE:**

Alarm is automatically armed if alarm hour or minute has been set. Alarm can also be armed or disarmed by depressing C at normal time mode. When alarm is armed 'ALARM' will be on the display and when not, 'ALARM' will not be on the display. When it reaches alarm time it will sound for 60 seconds.

**■ CARE OF YOUR STOPWATCH**

**▲ WATER RESISTANCE**

The stopwatch is designed to withstand accidental contact with water such as splashes or rain, but not for use in or under water. Do not operate the buttons when the stopwatch is wet.

**▲ TEMPERATURE**

Do not leave your stopwatch under direct sunlight or in very high temperature for a long time, the display may become black. Do not leave your stopwatch in very low temperature as this may cause a slight time loss or gain and the change of digits becomes slow. In both cases the above conditions will be corrected when the stopwatch returns to normal temperature.

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**▲ SHOCKS**

Be careful not to drop your stopwatch or hit it against hard surfaces, as it may cause mechanical damage.

**▲ STATIC ELECTRICITY**

The integrated circuit in your stopwatch can be affected by static electricity. If the static electricity is very strong permanent damage can occur. Be careful of the screen of the TV and the wearing of clothing made of synthetic material in dry weather, in such cases a very strong static current can be generated.

**▲ MAGNETISM**

Not affected

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**▲ CHEMICALS**

Do not expose your stopwatch to solvents such as gasoline and alcohol, cosmetic sprays, cleaners, paints etc as these may cause damage to the stopwatch.

**▲ Battery Replacement**

When the display becomes dim or disappear, you need to replace the batteries.

1. Use a coin or similar tools and rotate in shown direction to open the battery cover.
2. Replace CR2032 lithium battery or other equivalent.
3. Rotate in reverse direction to close the battery cover.

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