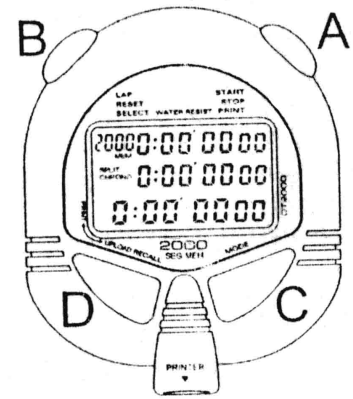


DT-2000

Instructions for use of Digi DT-2000 stopwatch at Aberdeen HORs

The watch has a 2,000 lap memory



TO SET UP

Press button **C** to enter stopwatch mode (3 rows of numbers).

To left of middle row it should say "SPLIT CHRONO" in small letters – if it says "SPEED" then hold button **B** for 2 seconds to revert to "SPLIT CHRONO" mode.

TO CLEAR ALL MEMORIES

- (1) Stop the watch (press **A**)
- (2) Clear the display (press **B**)
- (3) Press the red recall button (**D**)
- (4) Hold down button **A** for about 4 seconds to clear current race or for about 8 seconds to clear all

BASIC OPERATION

Button **A** to start / stop

Button **B** for split times (if watch running) – split time will be displayed in the middle row of the display for 10 seconds.

Button **B** to zero display (if watch stopped)

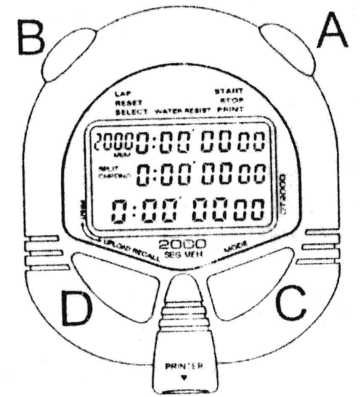
Button **D** to recall previous split times

Instructions for administrator – prior to race

Do this once prior to first division – there is no need to repeat before division 2

- Set up watch as above
- Clear all memories as above
- Gather together the four watches and start them all running at the same time
- Place the Digi watches in the holders which prevent access to all buttons except for button B.
- Give one Digi watch and one backup watch to starter and finisher.

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Instructions for starter

- **Press only button B – do not press any others.**
- As boats approach the start line, write their number on the [Crew Number] list. This must list the order that crews cross the line.
- As each boat passes the timing mark press button **B** once.
- As a backup, write the split time (displayed on the **middle row** of the display) against the crew number. The split time is frozen for 10 seconds or until button B is pressed again. You can record the next time even if the display is still frozen.
- If you press button B in error, you must write “blank” in the next [Crew Number] slot.

SUGGESTED JOBS

STARTER holds watch and presses button **B** as each crew crosses start line.
Reads out split time (middle row of display) for assistant to write down.

ASSISTANT STARTER writes down the number of the crew as they cross the start line–
and writes down the split time read out by the starter.

If button B is pressed in error, you must write “blank” in the next ‘Crew Number’ slot

Instructions for finisher

- **Press only button B – do not press any others.**
- As each boat passes the timing mark press button B once.
- Write the crew number on the finish order list.
- If you have time, write the split time (displayed on the middle row of the display) against the boat number. This is optional as all finish times are stored in the watch.
- If lots of boats cross the line together, just press the button as each crosses and note the finish order.
- If you press button B in error, you must write “blank” in the next ‘Crew Number’ slot.

SUGGESTED JOBS

FINISHER holds watch and presses button as each crew crosses line.

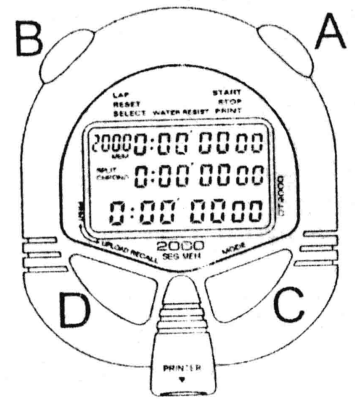
If time allows, will read out split time (middle row of display) for assistant to write down.

ASSISTANT FINISHER writes down the number of the finishing crew(s) – if time allows
will write down the split time read out by the finisher.

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Instructions for administrator - reading split times from watch

- There is no need to stop the watch – it should be left running between divisions but stopped at the end of the second division.
- Press button D to recall split times in turn.
- Read time from middle row of display. Round up or down to the nearest second
- After last split time the watch will revert to running time



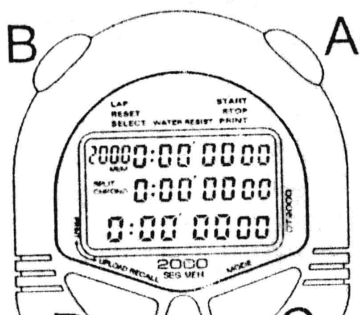
Instructions for administrator - printing data from watch to DT-500P printer

- The watch must be stopped and the display zeroed before printing can take place (this will require resynchronising all 4 watches between divisions)
- Press C repeatedly until PRINT ALL is displayed (if UPLOAD ALL is displayed then press D to change to PRINT ALL)
- Press A to start printing data.
- When printing is completed, PRINT END will display
- Press C at any time to stop printing (data remain in watch)
- To select an individual race for printing –
 - Whilst the watch is displaying PRINT ALL – press B to cycle through the available races
 - Press A when the desired race is displayed. (date of race is in middle row in format <month> <date><year> ie **2 404** = 4th Feb 04)

Do not leave watches running when not in use

RMW 12/11/04

DT-2000



Features

2000 memories
Segregated memory (capability to memorize LAP times of different races)
User Selectable LAP/SPLIT or LAP/SPEED display
Average and best lap time display
Automatic release of LAP time after 10 seconds to allow progress monitoring.
Data transfer to DT-500P printer during operation or selectively by race later (optional)
Data transfer to Windows computer through cable with Digilink upload program (optional)

TIMER

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

CLOCK

Hour, minute, seconds, month, date, day and alarm
12/24 hour and month/date display user selectable

STOPWATCH OPERATION

Press C to go to the stopwatch mode. Press A to start.

Press B to get the first lap time. The lap time is shown at the top row, the split time at the middle row and the total running time on the lower row. 10 seconds later, the display will automatically be released to show the running lap and split times to allow the user to keep track of progress.

Press B to get the 2nd lap time.

Press A to stop.

Press B to reset and be ready for the next race. The counter at the top left corner displays the memories left for further races. Further races can be recorded by pressing A mid B buttons as above. Since some memories are used for memorizing the data and number of race, the memories left is not 1998 in the operation example above. Press D to recall data stored. The display shows the date in which the race was record and MCH-I-001 (MSP for SPEED mode) stands for the first race recorded in LAP/SPLIT mode at that date which we call the race record. Pressing B button when the stopwatch is displaying race record will show the next race record (if there was). The lap times in each race record can be recalled by pressing D

Press D to recall the 1st lap data. Press D again to recall the 2nd lap data. Continuously press D button to show the stopped time, average lap time then best lap time.

The average calculation and best record do not take in account the last section of time before STOP. Therefore, in order for the stopwatch to keep track of the average and best records of all laps, always use the B button at the end of the race. Pressing D again will recall the next record (if there was).

Pressing and holding A when the stopwatch is displaying the race records will clear the memories of that race record; and continuously holding A will clear all memorized race records.

SPEED SETTING

In the stopwatch mode, before the start of a race, push and hold B for 2 seconds to go to the SPEED SET mode. The 1st digit in the lowest row is flashing to indicate setting of the thousandth of distance. Push A to set and B to select the next digits. The highest setting for distance is 9999,999. After all digits are set, press B again to set the TIME unit with the top left corner HR flashing. Use A to set to HR, MIN or SEC. When the distance and time unit are set, press C to return to the SPEED mode. Press A to start the counting Press B to get the 1st lap time at the top row and the speed at the middle row. If, for example, the distance is set to 200 (meters) and time unit set is in second, the speed calculated from a lap time of 17.09 seconds is 11.70m/sec. Using the B button, to get next lap time and its corresponding speed. Recall operations in the SPEED mode are the same as that in the LAP/SPLIT mode.

BASE 3 STROCK / FREQUENCY: If the distance is set to 180 and time unit to seconds, the speed reading for 3 strokes give the number of strokes / minute.

MEMORY USED UP: When all memories have been used, the 4 digits lap counter at the top left corner will start blinking to indicate all memories have been used up. All further lap will not be recorded in memory unless some memories are cleared as previously indicated. When there is no memory left pressing A to start a race will generate 4 short beeps.

DO NOT LEAVE THE STOP WATCH RUNNING IF NOT IN USE AS THAT DRAINS A HIGHER POWER FROM THE BATTERY.

TIMER OPERATION

Press C until the stopwatch goes to the timer mode. The top row of the display shows the 1st timer and the middle row 2nd timer. Press and hold B for 2 seconds to go into the set timer mode with the hour digit of the 1st timer blinking. Press A to set the 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, the desired countdown times for the 1st and 2nd timers can be set. Press C once any time during timer setting mode will complete the setting and the timer is ready to start upon pressing A. Press A to start countdown with the <1> at the top right corner blinking and the timer starting counting down. When the 1st timer approaches zero, the timer gives 4 beeps and the 2nd timer starts counting down immediately. When the second timer approaches zero, it gives 2 beeps and the 4 digits counter at the lowest row advances by 1 automatically. At any time during countdown pressing A will stop counting.

PRINT ALL MODE/UPLOAD ALL MODE

PRINT ALL MODE is for transfer data to DT-500P printer.

UPLOAD ALL MODE is for transfer data to Windows computer.

Press C to go to the PRINT ALL/UPLOAD ALL mode. Press D button allows to switch between PRINT ALL and UPLOAD ALL mode. Pressing A starts transferring all memorized records to the printer or computer (if connected). When the stopwatch is in the process of transferring data, an indicator moves from right to left. When data transfer is completed, PRINT END or UPLOAD END will be displayed.

Pressing B at the PRINT ALL/UPLOAD ALL mode will go the PRINT/UPLOAD RACE mode. Press B to select particular race to transfer. Press A to start transferring the selected race in memories. Pressing C any time during the data transfer process will stop transfer immediately.

If the stopwatch is not reset, it will be impossible to transfer data and the display will show PRINT 0 or UPLOAD 0, there will not be any action upon pressing A or B.

TIME

Press C to go to the TIME MODE.

Press and hold B to go into the time set mode with AL HOUR blinking. Press A to set the AL HOUR. Press B to select digits in the following sequence: AL HR, AL MIN 1st digit, AL MIN 2nd digit, AL ON/OFF, YEAR last digit, YEAR 1st digit, MONTH, DATE, 12/24 HR selection, HOUR, MIN 1st digit, MIN 2nd digit and SECONDS. Press A to set the blinking digits. Press C any time during setting to complete the setting procedure and return to the normal TIME display. If 12HR mode is selected, the calendar reads: MONTH/DATE/YEAR. If 24HR mode is selected calendar reads: DATE/MONTH/YEAR. The calendar automatically adjusts for weekday and odd even months including February of leap year up to year 2089. Press D in the TIME mode to arm or disarm the alarm. When the alarm is armed, the alarm indicator will be turned on and the alarm will sound at the preset alarm time.

CARE AND MAINTENANCE

The DT2000 stopwatch is designed to withstand accidental contact with water such as splashes or rain, but in not designed for use in water. Do not operate the buttons when the stopwatch is wet.

REPLACING THE BATTERY

When the battery low indicator light up, battery replacement is necessary. Unscrew and remove the back cover. Unscrew the battery contact. Replace with fresh Lithium battery CR2032 or equivalent. Use a small metal tool (such as tweezers or screwdriver) to momentarily short circuit the AC pad. Re-screw the back cover.

THE WARRANTY WILL NOT COVER THE BATTERY

www.digisportinstruments.com

BK104