

HAMILTON



INSTRUCTION MANUAL
KHAKI FLIGHT TIMER

Flight functions

Ft / M



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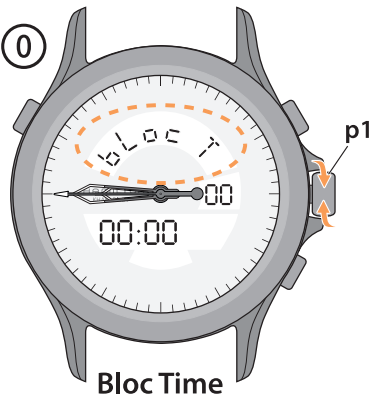
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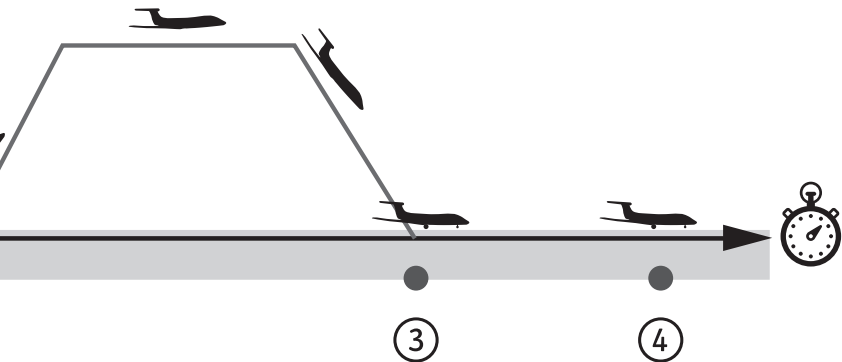
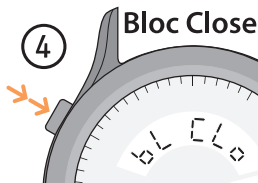
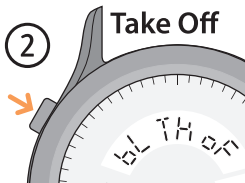
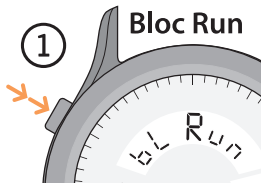
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Bloc Time





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1. Introduction

1.1 Basic functions in analog display

Hour / Minute / Second	With function to reposition the hands for digital display view
"EOL"	"End Of Life" indication of the end of battery life

1.2 Basic functions in digital display

Hour / Minute / Second	
"AM-PM" / 24h/12h	24-hour or 12-hour time display
"T1"	Main time zone linked to the display of the hands
"T2"	Secondary time zone with "SWAP" option
"SWAP"	Function for interchange of time zones "T1" and "T2"
Perpetual calendar	Display up to 2099
Date, month, year, name of day	With option of name display in English, French, German or Spanish
Week number	With On-Off option
"AL"	Daily alarm
"AG"	Reminder alarm (agenda)
"CHR"	Timing with total or split times up to 99 hours 59' 59"
"TM"	Countdown up to 99 hours, with 1-second precision
Lighting	Illumination of the digital display
Date	At 3 o'clock position with On-Off option

1.3 Specific pilot functions in digital display

"Block Time"	Timing / Logging of flight stages
"Logbook"	Restoration of key stages of flight in hours and minutes
"UTC"	Coordinated Universal Time
Temperature "ISA"	Display of the temperature in °F or °C and the altitude in feet or meters

2. Care and maintenance

2.1 Recommendations

- Like all micro-mechanical precision instruments, your Hamilton watch should be checked at least once every two years. Entrust your watch to an authorized Hamilton repair center or to any other professional watch service.
- To keep your watch water-resistant, make sure that its sealing features are tested at every check-up.
- Do not move the crown when you are in water.
- Rinse off your watch with fresh water after any immersion in seawater.
- Dry your watch whenever it gets wet.
- Have your watch checked for water-resistance by an authorized Hamilton retailer or by any other professional watch service each time the case is opened.

2.2 Water-resistance

The water-resistance of your watch is indicated on the case back.

Water resistance and equivalent pressure used in Anglo-Saxon countries:

Unit of measure	Water resistance categories available				
atm (overpressure)	3	5	10	20	100
psi	44	72,5	145	290	1450
ft *	100	165	330	660	3300

Water resistance and equivalent pressure used in countries using metric systems:

Unit of measure	Water resistance categories available				
bar	3	5	10	20	100
m *	30	50	100	200	1000

* The values given in feet or meters of immersion in water are equivalent to the degree of overpressure applied during the tests according to the ISO 22810 standard.

2.3 Leather straps

Hamilton recommends that you follow the steps below in order to preserve the condition of your leather strap for as long as possible:

- Avoid contact with water and dampness to prevent discoloration and deformation.
- Avoid prolonged exposure to sunlight to prevent the color from fading.
- Do not forget that leather is permeable! Therefore avoid contact with greasy substances and cosmetic products.
- If you have a problem with your leather strap, please contact your nearest Hamilton retailer.

2.4 Batteries

Watch batteries can last between two and five years, depending on the watch type, its size and the amount of energy used by the various functions.

Replacing the battery

We recommend that you contact an approved Hamilton service center or authorised Hamilton retailer, as they are equipped with the tools and apparatus required to carry out the work and the necessary checks in a professional manner. A worn-out battery should be replaced immediately in order to reduce the risk of leakage and consequent damage to the movement.

Battery type

Button-type zinc-silver oxide primary battery cell.

2.5 Magnetic fields

To prevent malfunctions of your watch, avoid coming into contact with magnetic fields such as those of magnets, loudspeakers, cell phones, refrigerators, etc.

3. Instructions for use

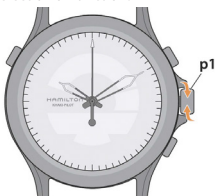


3.1 General principle of manipulations

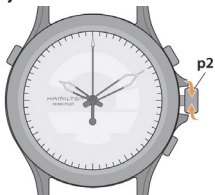
The display and adjustment of the various analog or digital functions is accomplished by turning the crown

P when it is in position (p1) or (p2).

Selection of functions



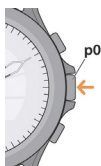
Adjustment of data



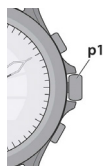
Crown

The crown **P** has three functioning positions

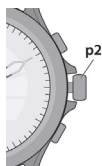
Pushed in



Neutral



Pulled out



Buttons

The watch has three buttons, **A**, **B** and **C**, which allow activation, setting or adjustment of the selected functions. According to the desired action, a short press, a double short press or a long press is necessary.



Short press: ←

Double short press: ←←

Long press (1 to 2 sec.): ←→

3. Instructions for use

3.2 Repositioning the hands for digital display view

A long press of the crown **P** repositions the hands at 9 o'clock to make it easier to read the digital display. A further long press returns the display to its normal state.



3.3 No function available "NO OPERATION"

If no manipulation or adjustment is possible after pressing one of the buttons, "NO OPERATION" is displayed.



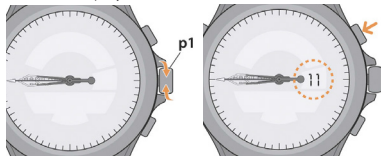
3.4 Lighting the digital display

A short press of the crown **P** lights up the digital display and all the hands stop turning for around 6 seconds.



3.5 Date display (On-Off)

1. In position (p1) turn the crown to access the digital display with no values indicated except for the date display (if activated) at 3 o'clock.
2. A short press of the button **A** activates or deactivates the date display.



3.6 Indication of end of battery life "EOL"

With the crown in the neutral position, the indication of the end of life of the battery is shown by the seconds hand, which jumps five seconds every five seconds.



3. Instructions for use

3.7 Main time zone "T1"

In position (p1) turn the crown to access the display "T1".



Display of the secondary time zone "T2"

When the "T1" display is shown, a short press of button

B activates or deactivates the time zone "T2".

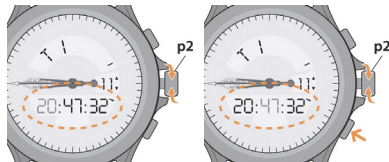


Note: The hands continue to indicate the main time zone "T1".

Note: Adjustment of time zone "T1" or "T2" is not possible during the logging of a flight using the chrono pilot functions.

Adjusting time zone "T1" or "T2"

1. Pull the crown out to position (p2). The hours display flashes.
2. Turn the crown to adjust the values.
3. Press button **B** to switch between hours, minutes and seconds.



4. Push the crown back to position (p1) to confirm the settings.

Note: The same manipulation is applicable to "T2".

Switching between the 24-hour and 12-hour displays

1. With the crown in position (p2), a short press of button **A** activates or deactivates the "AM-PM" display.



2. Push the crown back to position (p1) to confirm the settings.

Note: The same manipulation is applicable to "T2".

3. Instructions for use

3.8 “SWAP” function

This function allows interchanging time zones “T1” and “T2”, so that the secondary time zone becomes the main time zone.

Note: It is not possible to use the “SWAP” function during the logging of a flight.

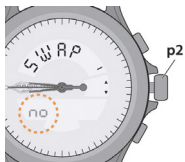
⚠ NB: The hands and the alarms “AL/AG” are always linked to the main time zone “T1”.

“SWAP” function

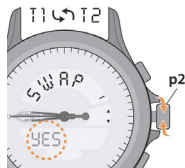
1. In position (p1) turn the crown to access the display “T1”.
2. A short press of button **B** will display “T2”.



3. Pull the crown out to position (p2).
4. A long press on button **A** activates the “SWAP” function. The display flashes and indicates “no”.



5. Turn the crown to choose “yes” to interchange time zone “T1” with time zone “T2”.



6. Push the crown back to position (p1). Time zones “T1” and “T2” interchange and the hands take the position of the new time “T1”.
7. A short press of button **B** displays “T1”.



3.9 Perpetual calendar Date display with name of the day

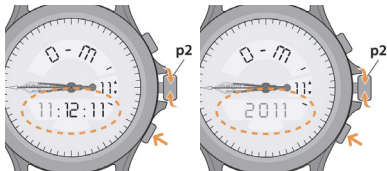
1. In position (p1) turn the crown to access the calendar display.
2. A short press of button **A** activates or deactivates the week number display.



3. Instructions for use

Adjusting the date, month and year

1. Pull the crown out to position (p2). The date display flashes.
2. Turn the crown to adjust the values.
3. Press button **B** to switch between day, month and year.



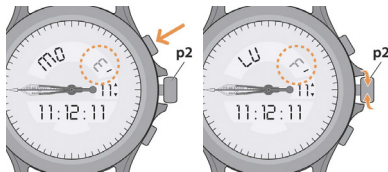
4. A short press of button **A** inverts the display: day-month "D-M" or month-day "M-D".



5. Push the crown back to position (p1) to confirm the settings.

Changing the language of the name of the day

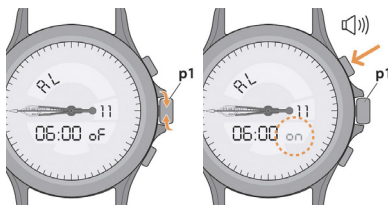
1. When the calendar display is shown, pull the crown out to position (p2).
2. A long press on button **A** displays the language.
3. Turn the crown to change the language.
Available languages: "E" English, "F" French, "D" German or "S" Spanish.



4. Push the crown back to position (p1) to confirm the settings.

3.10 Daily alarm "AL"

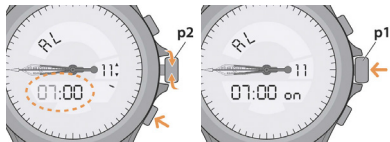
1. Turn the crown to access the display "AL".
2. A long press on button **A** activates or deactivates the alarm and a beep sounds.



3. Instructions for use

Adjusting the daily alarm

1. Pull the crown out to position (p2). The time display flashes.
2. Turn the crown to adjust the values.
3. Press button **B** to switch between hours and minutes.
4. Push the crown back to position (p1). The alarm is automatically activated.



Note: A short press on a button or on the crown immediately stops the ringtone.

3.11 Testing the alarm ringtone

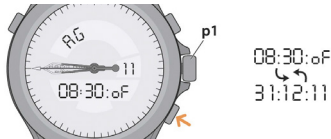
A long press on button **B** sounds the alarm ringtone. This has no influence on the activation or deactivation of the alarm.



Note: The same manipulation is applicable to the reminder alarm (agenda) "AG".

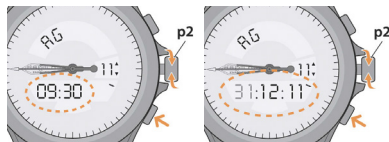
3.12 Reminder alarm "AG" (agenda)

When the "AL" display is shown, a short press of button **B** displays the reminder alarm "AG" and indicates the hours, the minutes and the mode of activation of the alarm (On-Off) in alternation with the date, month and year.

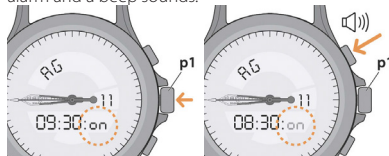


Adjusting the "AG" alarm

1. Pull the crown out to position (p2). The hours display flashes.
2. Turn the crown to adjust the values.
3. Press button **B** to switch between hours and minutes, date, month and year.



4. Push the crown back to position (p1). The alarm is automatically activated.
5. A long press on button **A** activates or deactivates the alarm and a beep sounds.



3. Instructions for use

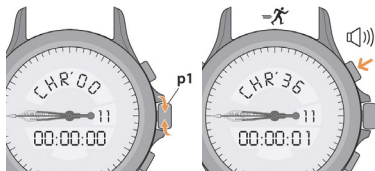
3.13 Chronograph "CHR"

It is possible to time a duration of maximum 99 hours 59 minutes 59 seconds and 99 hundredths of a second.

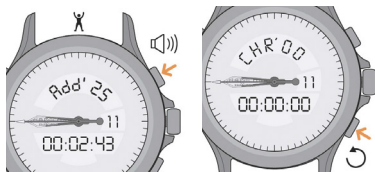
Note: After 24 hours, the display indicates only the days, hours and minutes.

Measuring a unique or additional time

1. In position (p1) turn the crown to access the display "CHR'00".
2. A short press of button **A** starts the chrono and a beep sounds.



3. A short press of button **A** stops the chrono and the display indicates the result with an "Add" followed by the hundredths of a second and the hours, minutes and seconds underneath. A further press on the button relaunches the timing and adds the time onto the first timing.
4. A short press of button **B** resets the chrono to zero.



Timing split times

1. A short press of button **A** starts the chrono and a beep sounds.
2. A short press of button **B** displays the first split time "SPL".



3. A further press on button **B** causes the timing to continue and the elapsed time is caught up with. A third press displays the second split time. The same procedure should be followed for further split times.
4. A short press of button **A** stops the chrono and displays the added times (total time).



5. A short press of button **B** resets the chrono to zero.



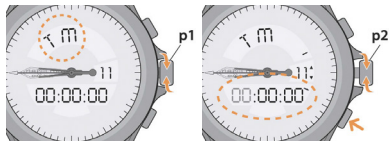
3. Instructions for use

3.14 Countdown “TM”

The maximum countdown time it is possible to program is 99 hours, 59 minutes and 59 seconds.

Programming

1. In position (p1) turn the crown to access the display “TM”.
2. Pull the crown out to position (p2). The time display flashes.
3. Turn the crown to adjust the values.
4. Press button **B** to switch between hours, minutes and seconds.



5. Push the crown back to position (p1) to confirm the settings.



Starting the countdown

1. A short press on button **A** starts the countdown.
2. A further press on button **A** stops the countdown.
3. A third press on button **A** restarts the countdown without resetting it to zero.
A beep sounds at each press on the button.



4. At the end of the countdown, the display “TM” flashes and a ringtone sounds for twenty seconds.
5. A short press on button **B** reactivates the last programming.



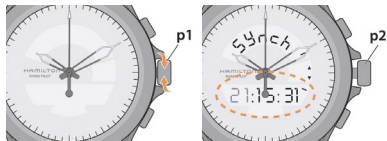
3. Instructions for use

3.15 Synchronization of the hands with time zone "T1"

Desynchronization of the hands and the digital time is possible when the battery is changed or with a violent shock. It is recommended to adjust the digital time "T1" before synchronizing the hands.

Synchronizing the hands

1. In position (p1) turn the crown to access the digital display with no values indicated except for the date display (if activated) at 3 o'clock.
2. Pull the crown out to position (p2). The display indicates "Synch" and the digital time flashes.



3. Turn the crown to adjust the hours hand.
4. Press button (B) to switch to the minutes hand and the seconds hand.
5. Push the crown back to position (p1) to confirm the settings.



4. Pilot functions

4.1 Pilot chrono

This specific function logs the key stages of a flight or flights. It is possible to memorize up to 20 flights of 99 cycles each. After the operations, a "Logbook" allows restoration of the data. A simplified illustration of the functioning of these operations is presented on the cover of this manual.

Definitions

Block time ("bloc" on the screen): The block time starts when the airplane moves for the first time from a stationary position, and finishes when the airplane reaches a final stationary position with all motors stopped.

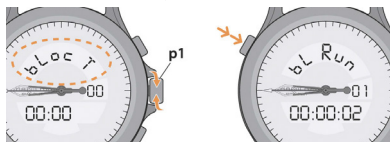
Cycle ("Cyc" on the screen): Landing and takeoff within the same block time.

VFR/IFR: The "VFR" (Visual Flight Rules) conditions are applicable to visual flight, "IFR" (Instrument Flight Rules) to flying on instruments. By default, the watch logs the flight in "VFR" mode.

4.2 Data logging

Starting a block time

1. In position (p1) turn the crown to access the display "bLoc T" or "bL CLo".
2. A double press on button (B) starts the first block timing and the display indicates "bL Run".



4. Pilot functions

Takeoff

1. A short press of button **C** starts the logging of the first takeoff. The display indicates "bL TK oF".



2. A short press of button **A** switches from "VFR" mode to "IFR" mode, and vice versa.



3. A short press of button **B** briefly displays the number of cycles, after which the display returns to "VFR" or "IFR".

In the example, no landing has yet been made so the number of cycles displayed is 00.



Landing

1. A short press of button **C** upon landing stops the timing and memorizes the first flight time. The display indicates "bL Lnd", the block number and the flight time, which flashes.



2. A short press of button **B** briefly displays the number of cycles, after which the display returns to "bL Lnd". In the example, the first landing has been made so the number of cycles displayed is 01.



Stopping the block time

A double press on button **C** stops the timing of the first block time and memorizes it. The display indicates "bL CLo", the block number and the time elapsed between block 01, 02, etc.



4. Pilot functions

4.3 "Logbook" function

Display and selection of block 01, 02, etc.

1. In position (p1) turn the crown to access the display "Lo Run".



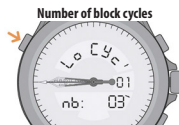
2. A short press of button **A** or **B** allows selection and scrolling in ascending or descending order of the logs of each block, and of the total "to" made up by blocks 01, 02, etc.



Restoration of data

Starting with the block or total selected, each short press on button **C** displays the results of each block or the total, in hours and minutes.

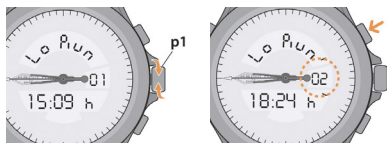
Example:



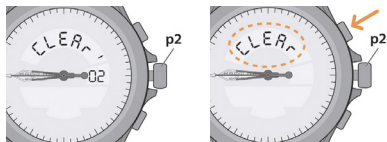
4. Pilot functions

Deleting a block log

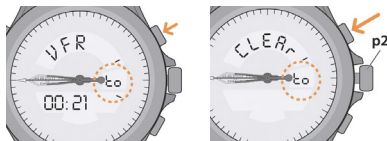
1. In position (p1) turn the crown to access the display “Lo Run”.
2. A short press of button **A** allows choice of the number of the block to be deleted.



3. Pull the crown out to position (p2). The display indicates “CLEAR” and the block number.
4. A long press on button **A** causes the display to flash and deletes the chosen block.



NB: If the total “to” is chosen, a long press on button **A** definitively deletes all the memorized logs.



5. Push the crown back to position (p1) to return to the basic display. The block numbers remaining are shifted. In case of total deletion, the display is returned entirely to zero.



4.4 Adjusting the time zone “UTC”

1. In position (p1) turn the crown to access the display “UTC” (Universal Coordinated Time).



2. Pull the crown out to position (p2). The hours and minutes display flashes.
3. Turn the crown to adjust the values.
4. Press button **B** to switch between hours and minutes.



5. Push the crown back to position (p1) to confirm the settings.

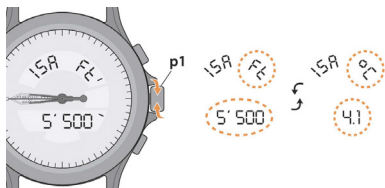
4. Pilot functions

4.5 Temperature "ISA"

This feature allows display of the temperature in °F or °C, starting from a desired altitude in feet "Ft" or in meters "m", following the "ISA" model of atmospheric standards.

Display of the temperature "ISA"

1. In position (p1) turn the crown to access the "ISA" display. The indications of altitude and temperature display alternately.



2. A short press of button **A** or **B** allows increasing or decreasing the altitude in steps of 500 feet or 150 meters.

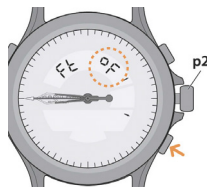


Selection of units of measurement

1. When the "ISA" display is shown, pull the crown out to position (p2). The display flashes.
2. A short press of button **A** changes the altitude unit.



3. A short press of button **B** changes the temperature unit.



4. Push the crown back to position (p1) to confirm the settings.



Applicable to
quartz watches only.

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