# ENGLISH

## MACH 3 ANALOG/DIGITAL CHRONOGRAPH

## 1. FUNCTION AND DISPLAYS

### Lighting

Dial lighting.

### Hands and Date Only

– Analog hour, minute and second display (hands).
– Digital display of date only.

### T1-Digital Local Time and Date

Digital display of hours, minutes, seconds and date.

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### T2-Second Time

Digital display of a second time:
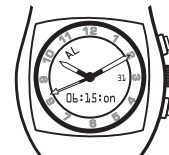– another time zone
– hour time
– summer/winter time.

### Week Number

Digital display of day, week number (may also be hidden), date, month and year.
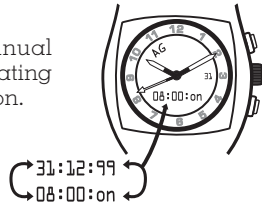
### AL-Daily Alarm

Alarm time may be programmed in hours and minutes.

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## AG-Annual Alarm

Calendar alarm; digital display of annual alarm, showing date, month, year alternating with the hour, minutes and alarm activation.

31:12:99
08:00:on

## CHR-Chronograph

Chronograph in hours, minutes, seconds, hundredths of a second up to 24 hours and in days, hours and minutes over 24 hours up to 99 days.
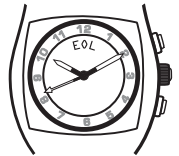
## TM-Timer

Timer programmable in days, hours, minutes and seconds up to 99 days.

## EOL-Battery End of Life Indicator

This indicator shows that the battery should be replaced (within 2 weeks). The **EOL** is shown in the neutral selection by the appearance of "**EOL**" or by other functions flashing when the crown is in the neutral position.

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## 2. SETTINGS

The various functions are selected by turning the crown. There are three crown positions:

– pushed in    (Pos. 0)
– neutral       (Pos. 1)
– pulled-out   (Pos. 2).

Pos. 0    Pos. 1    Pos. 2
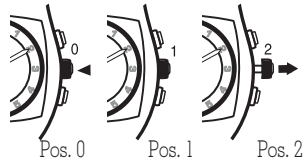
In the neutral position, you can select various functions by rotating the crown. In the pulled-out position, function data may be adjusted by turning the crown. The crown may be turned in both directions.

In addition to the crown, the watch has two buttons **A** and **B** the action of which depends on the function selected. Depending on the action required, choose either:
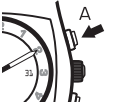
– brief press ◀
or
– long press (1 to 2 seconds) ◀◀

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**Button A**
– Selects the special functions AM/PM, ON/OFF, START/STOP.
– Date display (Date-Month/Month-Date).
– Activation or deactivation of the week number and the date.

**Button B**
– Selects the digits for adjustment (H-MIN-SEC...).
– Audible confirmation, alarm sound test.
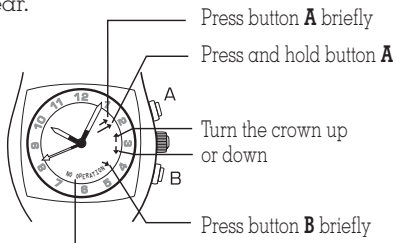– Selecting the **T2** "**addition functions**" and calendar alarm. Resetting the chronograph.
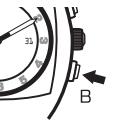
**Crown**
– Dial lighting by pressing (0) the crown (position 1).
– Selecting the functions by turning (position1).
– Adjusting the functions or language choice by turning (position 2).
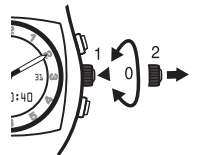
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## 3. AUTOMATIC HELP FOR FUNCTION ADJUSTMENT

The operation required for function adjustment are assisted by the automatic display of arrows on the dial; e.g., to change the alarm time, the length of the timer or the choice of a second time zone, etc. These arrows indicate which button should be pressed, if the crown should be turned, or even if a setting error causes a "**No Operation**" message to appear.

Press button **A** briefly

Press and hold button **A**

A

Turn the crown up or down

B

Press button **B** briefly

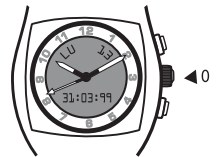The operation which you have just carried out has no effect on the function ("No operation").

## 4. DIAL LIGHTING

Pressing the crown (0) briefly will light up the dial for approx. 6 seconds in each function. All the hands stop momentarily. The exact time is reset automatically at the end of lighting.



## 5. ENERGY-SAVING MODE

It is possible to set the watch to "**energy-saving**" mode if you do not intend to use it for several days. In this mode, power consumption is reduced to conserve energy in the battery.

Select display neutral position (as described in **6.3**, see page 13), then pull the crown out to position 2.
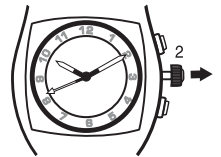
Synchronization mode is activated.

**ENERGY-SAVING MODE (cont.)**

"**Energy-saving**" mode will be activated by pressing and holding button **A** until the "**BAT**" (battery) message disappears.

To reactivate normal operation, simply push the crown back to position 1. The time which has elapsed since the hands stopped is automatically regained.
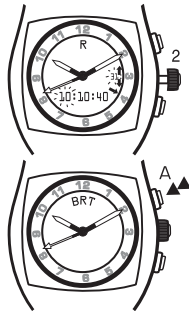
# 6. SELECTING AND PROGRAMMING DISPLAY MODES

## 6.1 Synchronizing the hands and digital time

The hour shown by the hands and the digital time should be in perfect synchronization. Any possible loss of synchronization between the two (battery change, violent impact) will require the hands to be adjusted to match the digital time displayed.

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Proceed as follows:

Select the neutral display position (as described in **6.3**), then pull the crown to position 2. The letter "**R**" will be displayed as described in **6.3**.

Press the **B** button briefly; the hour, minute and second figures are selected and will flash successively.

The hands are successively synchronized by turning the crown.
The seconds hand can only be adjusted in a clockwise direction (crown turning upwards). Push the crown back into position 1 when the position of the three hands corresponds to the digital time displayed.

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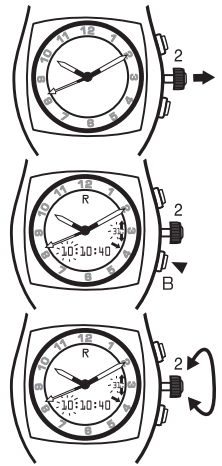
**Synchronizing the hands and digital time (cont.)**

This synchronization only adjusts the time displayed by the hands to local time (**T1**).

For perfect synchronization between analog time (hands) and digital time (figures), first adjust the hands to the digital time displayed (in synchronization mode "**R**") and then adjust the exact time in "**Setting**" mode as shown in the following chapter.

**6.2 Setting**

Select the **T1 (TIME)** function, then pull the crown to position 2.
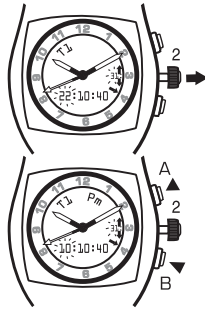
**6.2.1 Selecting the 24 hour or AM/PM system**

The digital time (figures) can be changed to display in either 24 hour or AM/PM mode by briefly pressing button **A**.

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**6.2.2 Setting the digital hours, minutes and seconds**

Press button **B** briefly; the hour, minute and second figures are selected and will flash successively. The hour, minute and second figures can be successively adjusted by rotating the crown. Push the crown back to position 1 after adjustment.
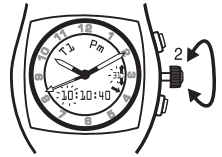
**6.3 Neutral display, with or without date**

Neutral display, selected by turning the crown, allows only the hands to appear; the digital date may be displayed or hidden.
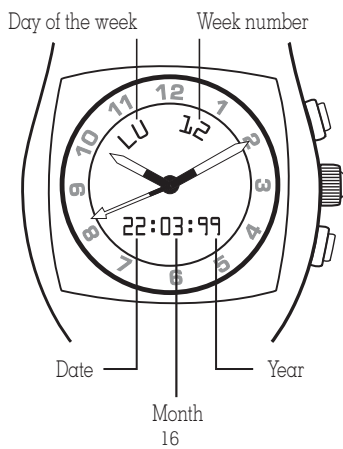
The date display may be activated or deactivated in this mode by pressing button **A** briefly.

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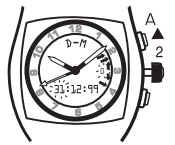**6.4 Selecting and setting the full date**

Instructions starting page 6.

Day of the week    Week number



Date ——    —— Year

Month

**6.4.1 Setting Day/Month (D-M) or Month/Day (M-D)**

Select full date display by turning the crown.

– Pull the crown to position 2.

– Briefly press button **A** to select date display mode

Day (**D**) / Month (**M)**
or
Month (**M**) / Day (**D**).



**6.4.2 Setting the date, month and year**

The date (**D**), month (**M**) and year are changed by rotating the crown. The day of the week is automatically selected according to the date. Press button **B** briefly to confirm date setting (**D**), then confirm the month (**M**) and year.
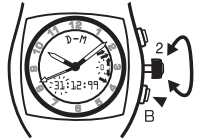
### 6.4.3 Choosing and setting one of the four languages for day name display

Select one of four languages available for the day display by pressing and holding button **A**. Turn the crown (in position 2) to display the name of the day in either (**F**) French, (**E**) English, (**D**) German, (**S**) Spanish. All date settings as described in **6.4.1** to **6.4.3** are confirmed by pushing the crown back to position 1.

### 6.4.4 Deactivating the week number display

The week number display is deactivated by pressing button **A** briefly (crown in position 1). It will reappear after another function is selected by turning the crown. Repeat if necessary.

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### 6.5 Setting a second time zone (or home time or summer/winter time)

In "**local time**" (**T1**) display, select the **second time zone** (**T2**) function by briefly pressing button **B** then pulling the crown to position 2.

The time of the second time zone (**T2**) may be changed to display in the 24 hour or AM/PM system by briefly pressing button **A**.

The hours and minutes are set by turning the crown. Briefly press button **B** to confirm setting of the **T2** hour, then adjust the **T2** minutes and confirm again. Briefly press button **B** again to set the date for the second time zone chosen.

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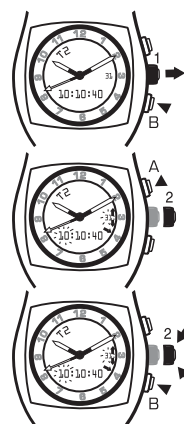
### 6.5.1 Date of the second time zone option

If you wish, you may set the date of the second time zone with a variation of plus or minus 1 day to local time (**T1**). E.g., If the date in the local time is the 25th, the date of the second time zone is either the 24th or 26th (maximum difference between two time zones is one day).

### 6.5.2 Setting the date of the second time zone

After you have pressed button **B** a third time as described in **6.5**, you may set the date of the second time zone by turning the crown. The message "NO OPERATION" shows that it is not possible to adjust the date by more than plus or minus 1 day. Push the crown back to position 1 after adjustment.
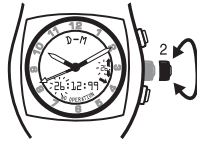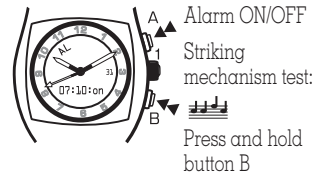
### 6.6 Setting the alarm (daily alarm)

### 6.6.1 Starting the alarm

Select the alarm function (**AL**) by turning the crown and pressing

and holding button **A.** The letters "**ON**" will appear on the dial and a "beep" will be heard.

A ▲▲ Alarm ON/OFF

1 Striking mechanism test:

B ▼▼ Press and hold button B

### 6.6.2 Alarm sound

At the chosen alarm time, a first alarm will sound. After 10 seconds, the alarm will sound intermittently for 50 seconds and then stop automatically.

### 6.6.3 Stopping the alarm

The alarm may be stopped at any moment by pressing either of the buttons or the crown.

### 6.6.4 Testing the alarm sound (applicable to all alarms)

When the alarm (**AL**) function is selected, the alarm sound may be tested by pressing and holding button **B.** The same test may be used for "**Timer**" and "**Diary**" alarms.

**6.6.5 Setting the alarm time**

The hours and minutes of the alarm can be set. First select the alarm function (**AL**) by turning the crown and then pulling it to position 2.

Briefly press button **B**, thus selecting the figures for the hours and minutes successively.

Turn the crown to set the hours and then the minutes. Push the crown back to position 1 after carrying out all the adjustments. The alarm is activated automatically on "**ON**" If its values have been modified since the last setting. "**OF**" display: alarm is deactivated.

Refer to **6.6.1** to reactivate.

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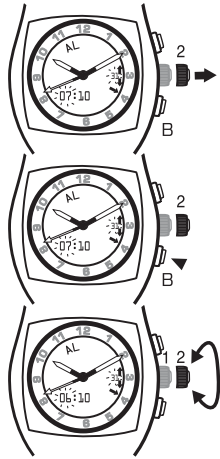
**6.7 Programming an alarm (calendar-alarm)**

**6.7.1 Selecting the calendar-alarm function**

The calendar-alarm function (**AG**) is selected by briefly pressing button **B** when the alarm function (**AL**) is displayed, by turning the crown in position 1. This allows display of the calendar alarm stored or programming of a different alarm. The digital display located at the bottom of the dial alternately indicates the day, month and year and the hours, minutes and "**ON/OF**" display.

To test the alarm sound: press and hold button **B**.

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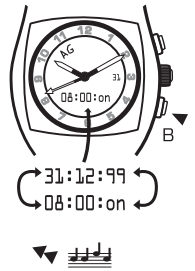
**6.7.2 Setting the calendar-alarm function**

Pull the crown to position 2. Briefly press button **B** to select and flash the figures of the hours, minutes, date, month and year successively. New data is set by turning the crown and confirming by briefly pressing button **B**. The new date for the annual alarm (**AG**) is confirmed by pushing the crown back to position 1 and confirmed by the appearance of the "**ON**" message. In the example opposite, the calendar-alarm will be programmed to 29/01/99 at 12:00. Push the crown back to position 1: the alarm is automatically switched on (**ON**)*.
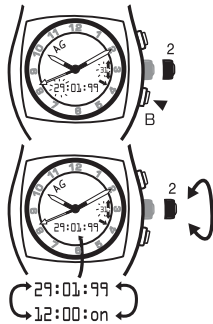
\* The calendar-alarm will only be switched on if the date you have programmed is a date in the future. There will be no **ON** display if the date you have entered is in the past.

The alarm sound is stopped by pressing one of the buttons or the crown.

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Pressing and holding button **A** activates (**ON**) or deactivates (**OF**) the calendar-alarm.

**6.8 Chronograph**
Select the chronograph (**CHR**)' function by turning the crown.

**6.8.1 Measuring one single time or adding several times with automatic subtraction of intermediate stops (ADD)**

– START timing by briefly pressing button **A**
– STOP timing by briefly pressing button **A**
– Reading the measurement: the 2 figures positioned to the right of the letters **Add'** show the number of hundredths of a second.

Example of reading a time: **00:01:59 Add' 36** shows that the event timed has lasted for 0 hours, 1 minute 59 seconds and 36 hundredths of a second.
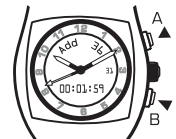
– RESET the chronograph by pressing button **B** briefly.

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### 6.8.1 (cont.)

– Add mode allows several timings to be added while automatically subtracting the duration of intermediate events by pressing Start-Stop-Start-Stop – etc.

– Total reading time – Resetting.
For example, total duration of journey from town A to town D with subtraction of stops in towns B and C.

### 6.8.2 Measuring the total time with intermediate time reading (SPLIT or fly-back hand)

This function allows, for example, the total duration of a race and the individual time taken by each individual runner to be measured.

– START of timing by briefly pressing button **A**.

– SPLIT X of timing by briefly pressing button **B** when runner X finishes. In the example opposite (**SPL'**), the time taken by runner X is 0 hours, 3 minutes, 40 seconds and 85 hundredths of a second.

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– RESTART timing by briefly pressing button **B.** The chronograph flies back to the time passed since SPLIT X and continues measurement (**CHR'**).

– SPLIT Y of timing by briefly pressing button **B** at the finish of runner Y (**SPL'**).

– RESTART timing by briefly pressing button **B.** The chronograph flies back to the time passed since SPLIT Y and continues timing (**CHR'**).

– STOP Z by briefly pressing button **A**. Reading time of last runner Z and the total race time: 0 hours, 5 minutes, 20 seconds and 56 hundredths (**Add'**).

– RESET by briefly pressing button **B** (**CHR'**).
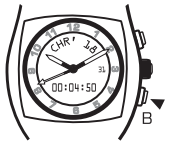
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### 6.8.3 Displaying a chronometer time exceeding 24 hours
(possible duration up to 99 days)

The timing for a chronometer duration of up to 24 hours is displayed in hours, minutes and seconds and hundredths of a second. For any time exceeding 24 hours, the result is displayed in days (instead of hundredths of a second, max. 99 days), hours (max. 23 hours), minutes (max. 59 minutes) and seconds (max. 59 seconds).

### 6.9 Programming the TIMER duration

The **Timer** may be programmed from 1 second up to 99 days, 23 hours, 59 minutes and 59 seconds.

– Select the **Timer** (**TM**) function by turning the crown and then pulling it to position 2. The number of days flashes on the right of the display "**TM**". (TM 00 - 00:00:00 in example shown opposite).
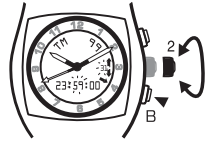
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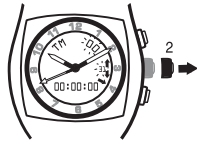
– Turn the crown forwards or backwards to choose the required duration in days and confirm by briefly pressing button **B**. The hour figures start to flash.
(TM 99 - 00:00:00 in the example shown opposite).
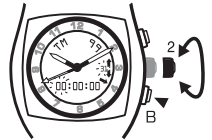
– Turn the crown forwards or backwards to choose the required duration in hours (max. 23 hours) and confirm by briefly pressing button **B**. The minute figures begin to flash.
(TM 99 - 23:00:00 in the example shown opposite).
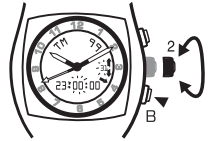
– Turn the crown forwards or backwards to choose the required duration in minutes (max. 59 minutes) and confirm by briefly pressing button **B**. The second figures begin to flash.
(TM 99 - 23:59:00 in the example shown opposite).

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### 6.9 (cont.)

– Turn the crown forwards or backwards to choose the required duration in seconds (max. 59 seconds) and confirm by briefly pressing button **B**.
(TM 99 - 23.59:59 in the example shown opposite).

– Confirm by briefly pressing button **B** and push the crown back to position 1.
(TM 99 23:59:59 in the example shown opposite).

– Briefly press button **A** to start the Timer.

– Pressing button **A** a second time will **stop** the Timer without resetting it.

– The Timer may be restarted after it has been stopped by pressing button **B**.

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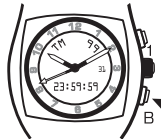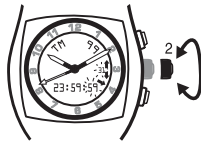
Pressing and holding button **A** resets all the information programmed into the **TIMER**.
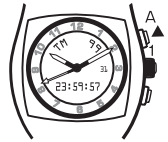
## BATTERY

Your timepiece may be powered by a 1.55 volt silver oxide watch battery. **DEAD BATTERIES SHOULD BE REPLACED IMMEDIATELY.** Substituting interchangeable batteries is not recommended. Battery change should be performed by a qualified technician who should also check the condition of the gaskets and the O-ring at the same time. Battery is not covered by the warranty.

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