



MULTIFUNCTION WATCH

ETA Calibre E20.321



Eta Swiss Quartz

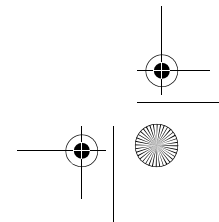
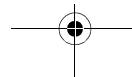
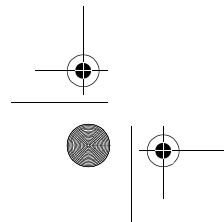
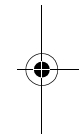
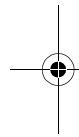
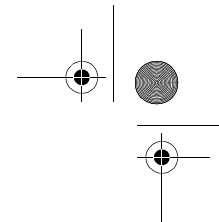
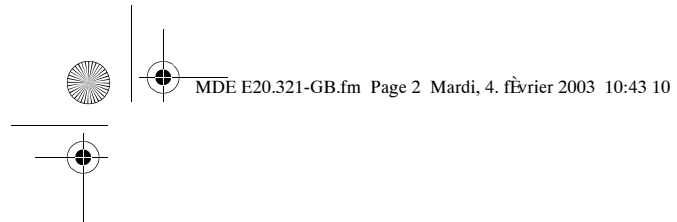


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1. Functions and displays

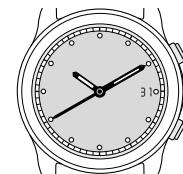
Lighting

- Dial lighting



Hands and date only

- Analogue 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



T2 Second time

Digital display of a second time:

- another time zone,
- home 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.



AG Annual alarm

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



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.





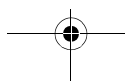
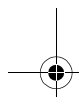
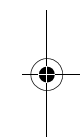
TM Timer

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 imminently (within 2 weeks). The EOL is shown in neutral selection by the appearance of "EOL" or by other functions flashing when the crown is in neutral position.

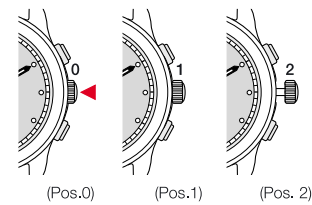


2. Settings

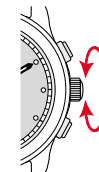
The various functions are selected by turning the crown.

There are three axial positions:

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



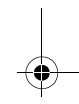
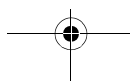
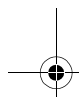
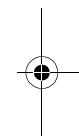
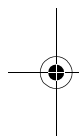
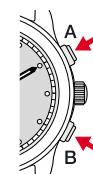
In neutral position, you can select various functions by rotating the crown. The crown may be turned in both directions. In pulled-out position, function data may be adjusted by turning the crown.





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) ◀◀



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.



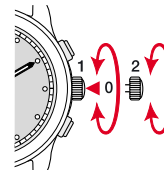
Button B:

- selects the digits for adjustment (H-MIN-SEC...),
- audible confirmation, alarm sound test,
- selecting the T2 "additional functions" and calendar alarm. Resetting the chronograph. Presetting the timer.



Crown:

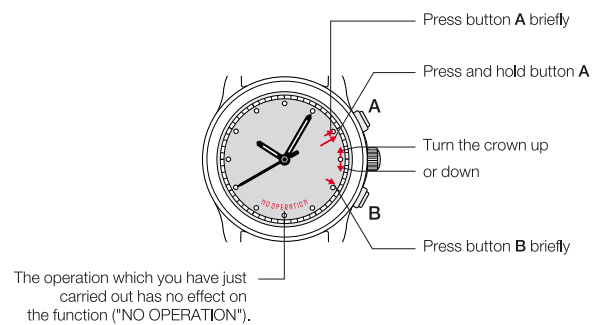
- dial lighting by pressing (0) the crown (position 1),
- selecting the functions by turning (position 1),
- adjusting the functions or language choice by turning (position 2).



3. Automatic help for function adjustment

The operations 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.

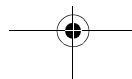
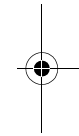
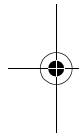
These arrows indicate which button should be pressed, if the crown should be turned, or even if a setting error causes a "NO OPERATION" message to appear.





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.

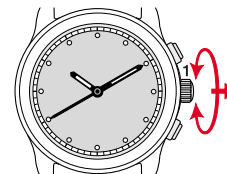


5. Energy-saving mode

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 by turning the crown, then pull it out to position 2.



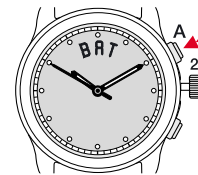
Synchronisation mode is activated.



(continued on page 15)

"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.

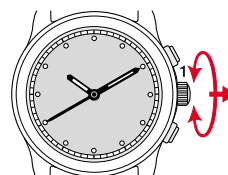


6. Synchronising the hands and digital time

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

Proceed as follows:

Select the neutral display position by turning the crown, then pull it to position 2. The letter "R" will be displayed.



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



(continued on page 17)

The hands are successively synchronised by turning the crown.

NB: The second 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.

This synchronisation only adjusts the time displayed by the hands to local time (**T1**). For perfect synchronisation between analogue time (hands) and digital time (figures), firstly adjust the hands to the digital time displayed (in synchronisation mode "**R**") and then adjust the exact time in "**Setting**" mode as shown in the following chapter on page **18**.

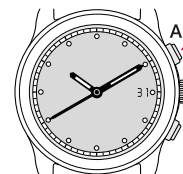


7. Instruction for use

7.1 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.



7.2 Setting the time T1

Select the **T1 (TIME)** function by turning the crown, then pull it to position 2.

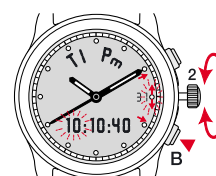
7.2.1 Selecting the 24 hour or AM/PM mode

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

7.2.2 Setting the digital hours, minutes and seconds

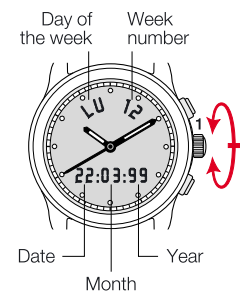
Press button **B** briefly; the hour, minute and second figures are selected and will flash successively.

The hour, minute and second figures can be successively adjusted by rotating the crown. Push the crown back to position 1 after adjustment.



7.3 Setting the full date

Select the full date function by turning the crown, then pull it to position 2.



7.3.1 Setting Day/Month (D-M) or Month/Day (M-D)

- Briefly press button A to select date display mode:
Day (**D**) / Month (**M**)
or
Month (**M**) / Day (**D**).



7.3.2 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.



7.3.3 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 7.3.1 to 7.3.3 are confirmed by pushing the crown back to position 1.

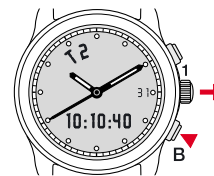


7.3.4 Week number

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.

7.4 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.



7.4.1 Selecting the 24 hour or AM/PM mode

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

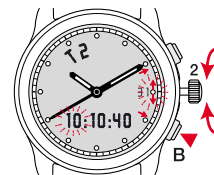


7.4.2 Setting the digital hours, minutes and seconds

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.



(refer to 7.4.3, page 23).

7.4.3 Date of the second time zone option

If you wish, you may set the date of the second time zone with a variation of ± 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).

7.4.4 Setting the date of the second time zone

After you have pressed button **B** a third time as described in **7.4**, 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 ± 1 day.

Push the crown back to position 1 after adjustment.



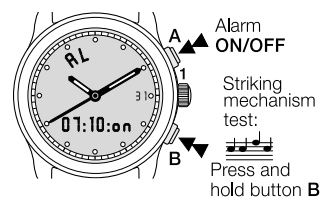
7.5 Setting the alarm (daily alarm)

7.5.1 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.

7.5.2 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.



7.5.3 Stopping the alarm

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

7.5.4 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.

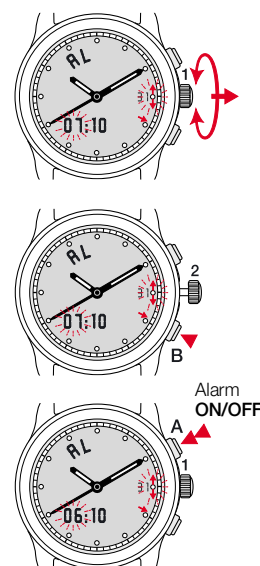
7.5.5 Setting the alarm time

The hours and minutes of the alarm can be set. Firstly 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 **7.5.1** to reactivate.

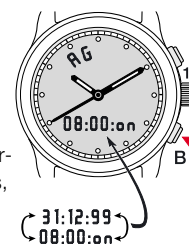


7.6 Programming an alarm (calendar-alarm)

7.6.1 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/OFF" display.



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

7.6.2 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 date 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.

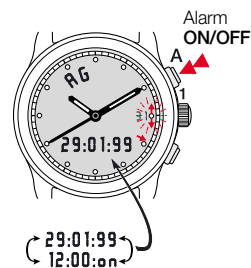
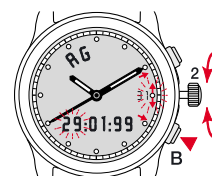
Push the crown back to position 1: the alarm is automatically switched on (**ON**)*.

* 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.

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



7.7 Chronograph

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

7.7.1 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 hour, 1 minute, 59 seconds and 36 hundredths of a second.

- **Reset** the chronograph by pressing button **B** briefly.
- **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.

E.g.: Total duration of journey from town A to town D with subtraction of stops in towns B and C.



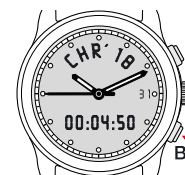
7.7.2 Measuring the total time with intermediate time reading (SPLIT or fly-back hand)

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 hour, 3 minutes, 40 seconds and 85 hundredths of a second.

- **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 hour, 5 minutes, 20 seconds and 56 hundredths (**Add'**).
- **Reset** by briefly pressing button **B** (**CHR'**).

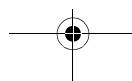
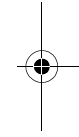
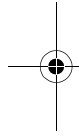




7.7.3 Displaying a chronometer time exceeding 24 hours

(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).



7.8 TIMER

7.8.1 Programming the TIMER duration

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

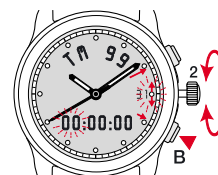
- Select the Timer (**TM**) function by turning the crown and then pulling it to position 2.

The number of days flashes on the right of the display "**TM**" (TM 00 – 00:00:00 in example shown opposite).



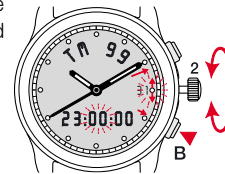
- Turn the crown forwards or backwards to choose the required duration in days and confirm by briefly pressing button **B**.

The hour figures start to flash.
(TM 99 – 00:00:00 in the example shown opposite).

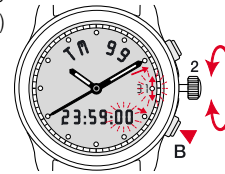


(continued on page 32)

- 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).



- 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).

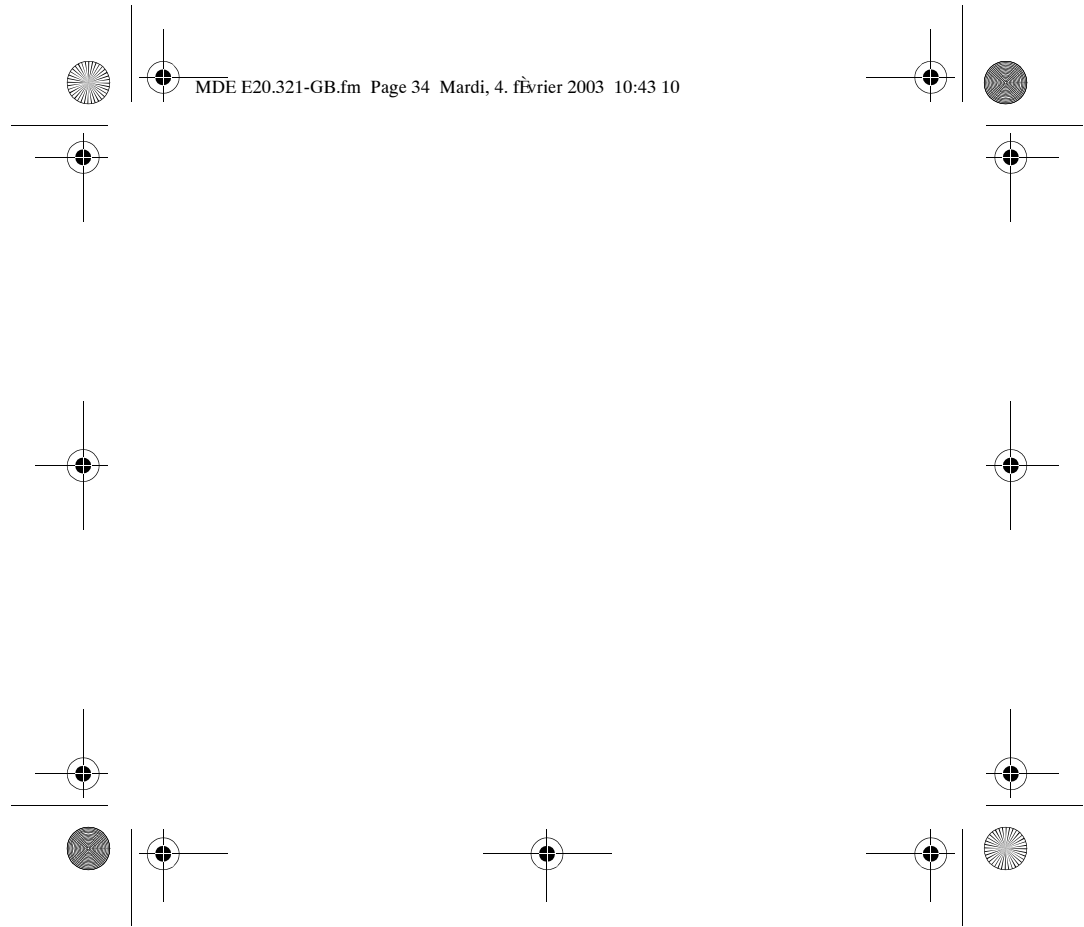


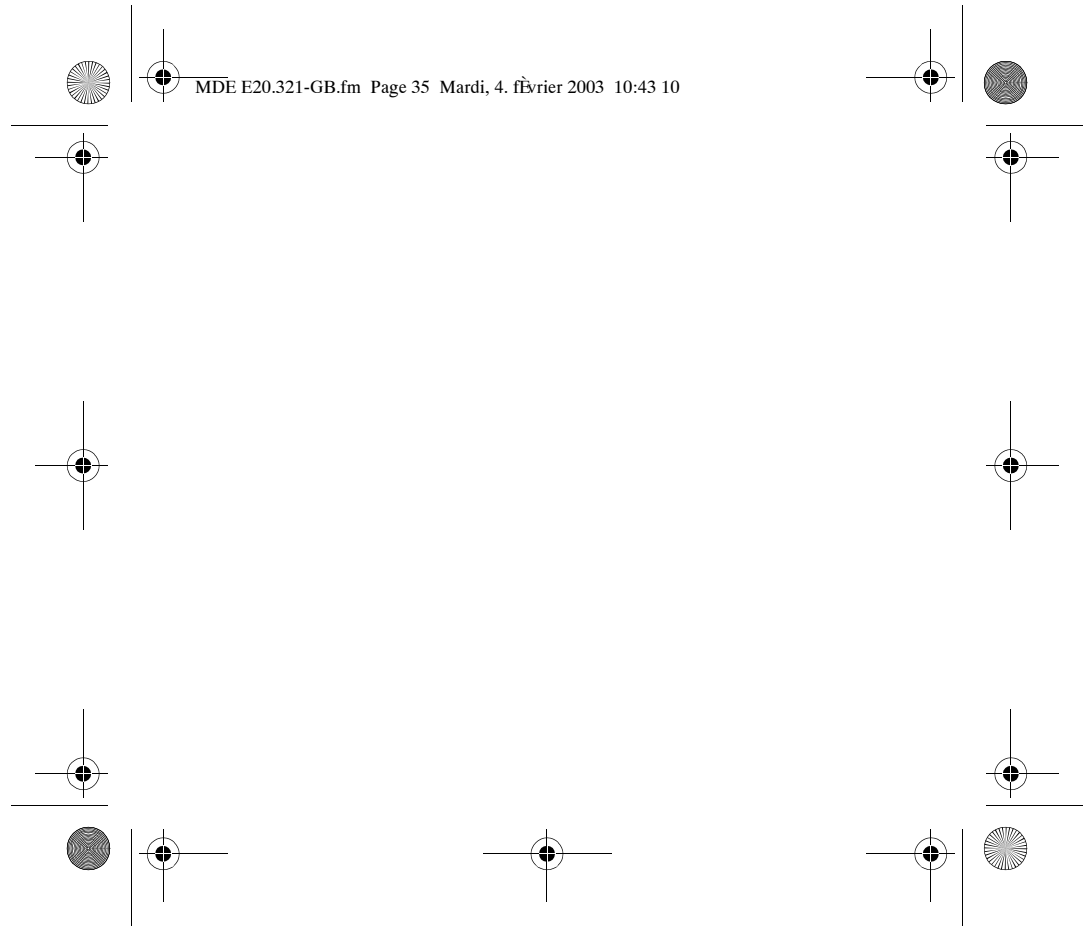
- Push the crown back to position 1. (TM 99 23:59:59 in the example shown opposite).

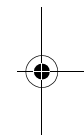
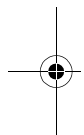
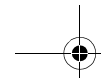
7.8.2 Using the TIMER

- Briefly press button **A** to start the timer.
- Pressing button **A** a second time will stop the timer without resetting it.
- Pressing button **A** a third time will start again the timer without resetting it.
- The **Timer** may be preset after it has been stopped by pressing button **B**.









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