


- This watch is solar-powered. Expose the dial to light and use it sufficiently charged.
- To see details of charging time, specifications and operations, refer to the instruction manual:  E812 instruction manual

Component identification



- Actual appearance may differ from the illustration.
- The crown has two positions when pulling it out.

Changing the mode

This watch features four different modes: [TME] (time/calendar), [CHR] (chronograph/reference position correction), [L-TM] (local time), and [ALM] (alarm).

1. Push the crown in to position 0.

2. Rotate the crown.

The mode hand moves and the mode is changed.

Setting the time

1. Push the crown in to position 0.

2. Rotate the crown to change the mode to [TME].

3. Pull the crown out to position 2.

The second hand stops at 0 second.

4. Rotate the crown to set the time.

- Check AM/PM of the time referring to the 24-hour hand.
- When you rotate the crown quickly, the hand will move continuously. To stop the rapid movement, rotate the crown.

5. Push the crown in to position 0 in accordance with a reliable time source to finish the procedure.

The second hand starts moving.

Setting the calendar

1. Push the crown in to position 0.

2. Rotate the crown to change the mode to [TME].

3. Pull the crown out to position 1.

The current setting of the year and month is indicated.

Function hand: year since leap year

Second hand: month

4. Rotate the crown counterclockwise to set the date indication.

- When you rotate the crown quickly, the date indication will move continuously. To stop the rapid movement, rotate the crown.
- The date indication changes to the first day of the next month after finishing setting if you set a non-existing day.

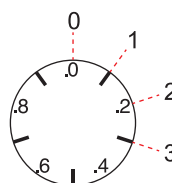
5. Press and release the upper right button (A) and lower right button (B) repeatedly to adjust the year and the month.

- Button (A) changes the year setting indicated by the function hand.
- Button (B) changes the month setting indicated by the second hand.

Year indication

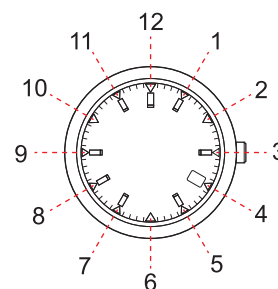
"Year" corresponds to the years since leap year and is indicated with markers in the figure below.

Each number means year since leap year.



Month indication

"Month" corresponds to one of the 12 markers in the figure below. Each number means month.



6. Push the crown in to position 0 to finish the procedure.

The second hand moves to indicate the current second.

Using the chronograph

- Measuring up to 60 minutes in 1/20 second increments.
- The hour, minute and 24-hour hands move normally during chronograph measurement.

1. Push the crown in to position **0**.

2. Rotate the crown to change the mode to [CHR].

The chronograph second hand moves to 0 second and the chronograph minute hand moves to 0 minute and they stop.

Start/stop: press button **A**.

- The chronograph minute hand indicates the 1/20 second units by pressing and holding button **B** while chronograph is stopped. Release the button to return the hand to minute indication.

Reset: press button **A** while the chronograph is stopped.

- Be sure to reset chronograph after finishing measurement.

Using the local time

When the mode is changed to [L-TM], the time for another region separate from the current time (local time) is displayed.

- The time difference can be set up to ± 23 hours (in 1 hour units) based on the time set in [TME] mode.
- The minute and second hands show the same time as that in [TME].

Displaying the local time

1. Push the crown in to position **0**.

2. Rotate the crown to change the mode to [L-TM].

Local time is indicated.

Setting the time difference

1. Pull the crown out to position **2** when the mode hand points [L-TM].

2. Rotate the crown to set the time difference.

- Rotate the crown counterclockwise when the time difference to set is minus. Rotate the crown clockwise when the time difference to set is plus.
- If the hour hand passes the midnight during the setting, the date indication will be advanced by 1 day. It takes some time to complete the date indication to be advanced.

3. Push the crown in to position **0** to finish the procedure.

Using the alarm

1. Push the crown in to position **0**.

2. Rotate the crown to change the mode to [ALM].

Hour, minute and 24-hour hands indicate the current alarm time setting and the second hand indicates the current alarm setting ("ON" or "OFF").

3. Pull the crown out to position **2**.

The alarm setting is automatically turned to "ON".

4. Rotate the crown to set the alarm time.

- Check AM/PM of the alarm time referring to the 24-hour hand.
- When you rotate the crown quickly, the hands will move continuously. To stop the rapid movement, rotate the crown.
- The alarm time cannot be set based on the local time.

5. Push the crown in to position **0** to finish the procedure.

To set the alarm ON/OFF

While in the [ALM] mode, pull the crown out to position **1** or **2** and press button **A**.

To stop alarm

Press button **A** or **B**.

The alarm sounds for 15 seconds.

To check the alarm sound

Press and hold button **A** in the [ALM] mode while the crown is in the position **0**. The alarm tone can be monitored.



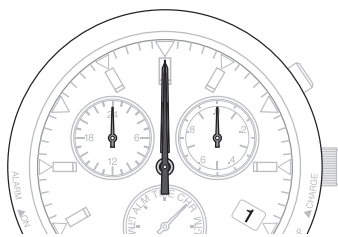
Checking the reference positions

1. Push the crown in to position **0**.
2. Rotate the crown to change the mode to [CHR].
3. Pull the crown out to position **1**.

The hands start moving quickly and the current reference position of each hand/indication is indicated.

Correct reference positions:

- All hands: 12 o'clock position, date indication: "1"



When the current reference position is different from the correct one, adjust the position following the steps of

[Correcting the reference position](#).

4. Push the crown in to position **0** to finish the procedure.

Correcting the reference position

Correcting the hour, minute, second and 24-hour hands

1. Push the crown in to position **0**.
2. Rotate the crown to change the mode to [CHR].
3. Pull the crown out to position **2**.
4. Press and release the upper right button **(A)** to adjust the second hand.
5. Rotate the crown to adjust the hour, minute, and 24-hour hands.
 - When you rotate the crown quickly, the hand will move continuously. To stop the rapid movement, rotate the crown.
6. Push the crown in to position **0** to finish the procedure.

Correcting the function hand and date indication

1. Push the crown in to position **0**.
2. Rotate the crown to change the mode to [CHR].
3. Pull the crown out to position **1**.
4. Rotate the crown counterclockwise to set the date indication.
 - When you rotate the crown quickly, the date indication will move continuously. To stop the rapid movement, rotate the crown.
 - The 12 o'clock position immediately after the date changes to "1" is the correct reference position of the function hand.
 Rotate the crown to advance the date to "31" and then press the button **(A)** to adjust the function hand finely and confirm that the date indication has changed to "1", then finally set the function hand to the 12 o'clock position.
5. Push the crown in to position **0** to finish the procedure.

Resetting the watch - All Reset

1. Push the crown in to position **0**.
2. Rotate the crown to change the mode to [CHR].
3. Pull the crown out to position **2**.

The hands and date indication start to move to the current reference positions stored in memory.

4. Press and release both the upper right button **(A)** and lower right button **(B)** at the same time.

A sound will be emitted, and then hands move to demonstrate that the all-reset is performed.

After All Reset

After All Reset, adjust the reference position and set the time and calendar. Set also the local time and the alarm.