MANUAL ENGLISH

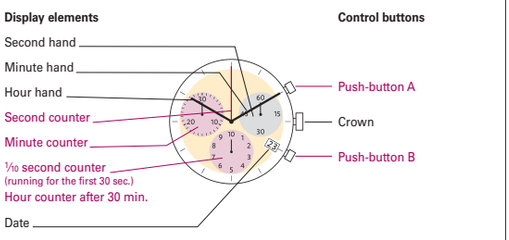
SOLAR POWER CHRONOGRAPH

Movement Ronda 2040.D

CHRONO AG
CH-4500 SOLOTHURN
SWITZERLAND

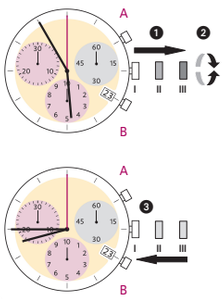
SELF-CHARGING
SOLAR POWER SYSTEM

Description of the display and control buttons



01

Setting the time



1 * Pull out the crown to position **III** (the watch stops).

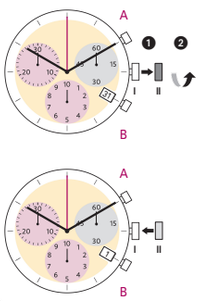
2 Turn the crown until you reach the correct time **8:45**.

3 * Push the crown back into position **I**.

Please note
* In order to set the time to the exact second, 1 must be pulled out when the second hand is in position «60».
Once the hour and minute hands have been set, 3 must be pushed back into position **I** at the exact second.

02

Setting the date (quick mode)



1 Pull out the crown to position **II** (the watch continues to run).

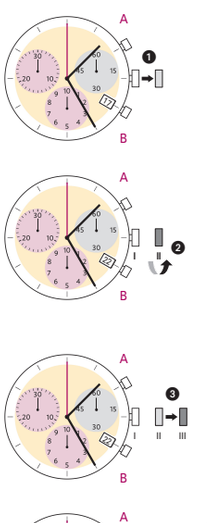
2 Turn the crown until the correct date 1 appears.

3 Push the crown back into position **I**.

Please note
The date can be changed during the date changing phase between approx. 9:00 PM and midnight; please note that the date must be set to the date of the following day as in this case the automatic date changing does not occur at midnight.

03

Setting the date and time



Example:
– Date / time on the watch: 17 / 01:25
– Present date / time: 23 / 20:35

1 Pull the crown to position **II**.

2 Turn the rown until yesterday's date appears 22.

3 * Pull out the crown to position **III** (the watch stops).

4 Turn the rown until the correct date 23 appears.

5 ** Continue to turn the crown,until the correct time 8:35 PM appears.

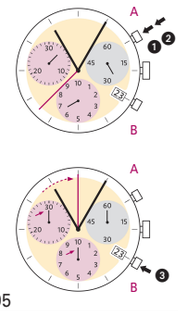
6 Push the crown back into position **I**.

Please note
* To set your watch to the exact second, please refer to the chapter entitled «setting the time».
** Please observe the AM/PM clock rhythm.

04

Chronograph: Basic function

(Start / Stop / Reset)



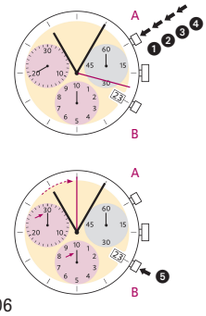
Example:
1 **Start:** Press push-button **A**.

2 **Stop:** to stop the timing, press push-button A once more and read the chronograph counters:
4 min / 38 sek / 7/10 sec

3 **Zero positioning:**
Press push-button **B**.
(The chronograph hands will be reset to their zero positions.)

05

Chronograph: Accumulated timing



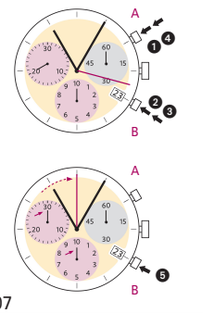
Example:
1 **Start:** (start timing)
2 **Stop:** (e.g. **15** min **5** sec following 1)
3 **Restart:** (timing is resumed)
4 * **Stop:** (e.g. **5** min **12** sec following 3)
= **20 min 17 sec**
(The accumulated measured time is shown)

5 **Reset:**
The chronograph hands are returned to their zero positions.

Please note
* Following 4, the accumulation of the timing can be continued by pressing **push-button A** *(Restart / Stop, Restart / Stop, ...).*

06

Chronograph: Intermediate or interval timing

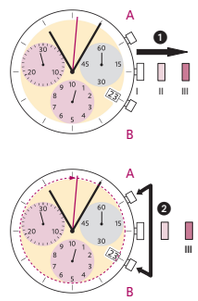


Example:
1 **Start:** (start timing)
2 **Display interval:**
e.g. **20 minutes 17 seconds** (timing continues in the background)
3 **Making up the measured time:**
(The chronograph hands are quickly advanced to the ongoing measured time.)
4 **Stop:** (Final time is displayed)
5 **Reset:**
The chronograph hands are returned to their zero position

Please note
* Following 3, further intervals or intermediates can be displayed by pressing **push-button B** *(display interval / make up measured time, ...).*

07

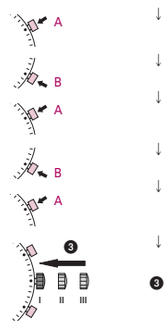
Adjusting the chronograph hands to zero position



Example:
One or several chronograph hands are not in their correct zero positions and have to be adjusted (e.g. following a battery change).

1 Pull out the crown to position **III** (all chronograph hands are in their correct or incorrect zero position).

2 Keep push-buttons **A and B** depressed **simultaneously** for at least 2 seconds (the second counter hand rotates by 360° → corrective mode is activated).



Adjusting the second counter hand
Single step A **1 x short**
Continuous A **long**

Adjusting the next hand B

Adjusting the 1/10 second counter hand (position 6h)
Single step A **1 x short**
Continuous A **long**

Adjusting the next hand B

Adjusting the minute counter hand (position 9h)
Single step A **1 x short**
Continuous A **long**

3 Returning the crown to position **I**

Termination of the chronograph hands adjustment (can be carried out at any time).

08

Function of a solar quartz movement

Ronda Solartech movements draw the electrical energy required for operation from a rechargeable battery. This eliminates the need to regularly change a battery.
The battery is charged by incident light from a solar cell located under the dial. To do this, the watch with the dial up is exposed to direct light.

Features

Battery overcharge protection:
This prevents the battery from overcharging and thus impairing the function of the movement.

Battery protection mode:
As soon as the battery reaches a very low state of charge, switching off the movement prevents deep discharge of the battery. This protects the battery, ensuring a long service life.

Quick start function:
When the battery is empty, the movement starts within a few minutes after the watch is exposed to sunlight.

Battery performance and charging

The battery running time [1] of the movement after fully charging the battery is 5 months when using the chrono function (max. 1 hour per day). If the chrono function is not used, the running time of the movement increases to 6–7 months.

For optimum performance, RONDA recommends charging the battery regularly with an adequate light source; this is done most quickly in direct sunlight.

WARNING: Avoid high temperatures of more than 60 °C (e. g. under an incandescent or halogen lamp, behind glass, etc.) to prevent malfunction.

Environment	Approximate charging time depending on light source *		
	Day charge	until the movement runs when the battery is empty	until fully charged when the battery is empty
Outdoors (sunny)	3 minutes	1 minute	10 hours
Outdoors (cloudy)	20 minutes	5 minutes	2.5 days
20 cm from a fluorescent lamp (30 W)	40 minutes	20 minutes	5 days
Indoor lighting	3 hours	2 hours	27 days

** based on a light transmission of the dial of 30%.*

Day charge: Time needed to charge the battery so that the movement runs for one day.
Until the movement runs when the battery is empty: Time needed to charge the battery to the point where the movement starts running when the battery is discharged.
Until fully charged when the battery is empty: Time required to fully charge an empty battery.

Replacing the battery

Solartech movements are equipped with a special rechargeable battery that does not require regular replacement, so it should not be removed from the movement.
If it is necessary to replace the battery, it is essential to ensure that only a battery approved by RONDA for this movement is used. The replacement must be carried out by a specialist dealer and the old battery must be disposed of properly.

WARNING: The use of a different type of battery or a conventional silver oxide battery may damage the movement and endanger the wearer.

Recommendation for storage

Avoid storing the solar watch with an empty battery for long periods in the dark. This is important to ensure a long battery life. If the watch is not going to be worn for a long period of time, it is recommended that it be stored openly in a bright room. This ensures that the solar watch runs without having to be charged before wearing.
By pulling the stem to the outermost position (energy-saving mode), the power consumption can be reduced by about 70%, which further extends the life of the battery.

[1] The battery running time indicates how long a movement can function without exposure to light when the battery is fully charged.

08/2025

Battery type: MT920 (Panasonic) Akku
Accuracy: +20 / -10 seconds per month