

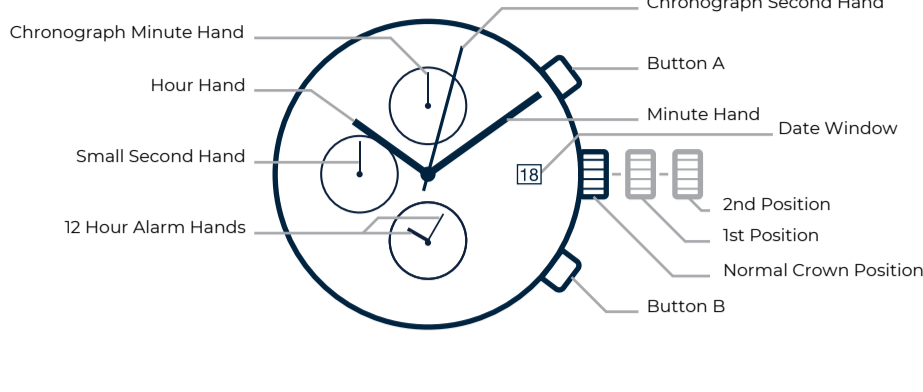
JACK MASON

SOLAR

Chronograph 42mm
JM-F112-008



Epson Caliber No. VS72a Chronograph Function



Setting The Time

1. Pull the **Crown** out to the **2nd Position** when the **Small Second Hand** is at the 12 o'clock position.
2. Turn the **Crown** to set **Hour and Minute Hands**. Take am/pm into consideration when setting the hour and minute hands to the desired time.
3. Push the **Crown** back to **Normal Position**.

Setting The Date

1. Pull the **Crown** out to the **1st Position**.
2. Turn the **Crown** clockwise to set **Date**.
* Set the date between the hours of 2:00 am to 8:00 pm to ensure the date changes the following day.
3. Push the **Crown** back to **Normal Position**.

*If the date changes during the daytime, the am/pm is wrongly set. Advance the **Hour hand** by 12 hours to correct.

Calibrating The Alarm

*The alarm must be re-calibrated any time the main time of the watch is changed

1. Pull the **Crown** out to the **2nd Position**
2. Press the **"B"** button repeatedly to set the **Alarm hands** to the current time as indicated by the **Main hands**.
3. Push the **Crown** back to **Normal Position**.

*Once calibrated, the **Alarm hands** will keep time with the **Main hand** until the alarm function is set.

Setting The Alarm

* The alarm can be set to the minute for any time within 11 hours and 59 minutes of the current time shown by the main hands. The alarm will need to be set by this method each time it is used.

1. Pull the **Crown** out to the **1st Position**
2. Press the **"B"** button repeatedly to set the **Alarm hands** to the desired time. Long pressing the **"B"** button will rapidly advance the hands.

* While setting, the **Alarm hands** will only advance around until they reach the current time of the **Main hands** at which point they will stop

3. Push the **Crown** back to **Normal Position** to finish setting.

* The alarm will chime for 20 seconds at the designated time. The chime can be stopped by pressing **any button**. To preview the chime, hold the **"A"** button with the crown in the **1st Position**.

Canceling The Alarm

*The alarm is able to be cancelled if you do not want it to chime at the set time.

1. Pull the **Crown** out to the **1st Position**
2. Press and hold the **"B"** button to advance the **Alarm hands** until they automatically stop at the time indicated by the **Main hands**.
3. Push the **Crown** back to **Normal Position**.

Using the Chronograph

* The movement features a 1/5th second split-timing chronograph function.

1. To start the chronograph, press the **"A"** button. The **Chronograph Second hand** will begin to advance at 1/5 second intervals.
2. While running, to split time press the **"B"** button. The **Chronograph hands** will stop moving but the internal timing function is not stopped. When the **"B"** button is pressed again, the **Chronograph hands** will "catch up" to show the current elapsed time.
3. To stop the chronograph, press the **"A"** button.
4. While stopped, to continue timing, press the **"A"** button again. To reset the chronograph to 0 press the **"B"** button

Recalibrating The Chronograph "0" Position

*If the chronograph hands are not resetting to their "0" position when the "B" button is pressed they will need to be recalibrated

1. Pull the **Crown** out to the **2nd Position**
2. Press and hold the **"A"** button for 2 seconds until the **Chronograph Minute Hand** turns fully around the subdial.
3. Push the **"B"** button until the **Chronograph Minute Hand** aligns with the desired "0" position
4. Press and hold the **"A"** button for 2 seconds until the **Chronograph Second Hand** turns fully around the dial.
5. Push the **"B"** button until the **Chronograph Second Hand** aligns with the desired "0" position
6. Push the **Crown** back to **Normal Position**

Rotating Compass Bezel



How To Use Compass (Northern Hemisphere):

1. Find the sun's position in the sky.
2. Holding the watch level, point the hour hand in direction of the sun.
3. Rotate the compass bezel using secondary crown until the South marking is between the hour hand (sun's position) and 12 o'clock.
4. Once South is set, you can use the rest of the directionals.

NOTES: * For Southern Hemisphere use "North" marker instead of "South".
* Watch should be set to standard time, not daylight savings.
* This method can only provide a very general bearing, and should not be relied upon for precise orienteering.
* The Count-Up Bezel and Compass Bezel rotate together

Rotating Count-Up Bezel



How To Use Count-Up Bezel:

1. To track seconds: Align "00" with the chronograph second hand. Start the chronograph function. When stopped the chronograph hand will show elapsed seconds on the bezel.
2. To track minutes: Align "00" with minute hand. Minute hand will show elapsed minutes along bezel separate from any chronograph timing.

NOTES: * The Count-Up Bezel and Compass Bezel rotate together

Features of the Solar Movement

This watch is a solar-powered watch containing a solar cell underneath the dial to convert any form of light into "electrical energy" and store the power in a secondary battery.

Unlike conventional quartz watches, this watch does not use a silver oxide battery, thus eliminating the need for battery replacement.

1. Running time – Expected running time from full charge to stoppage will be around 6 months.
2. Over Charge Prevent Function – If the secondary battery is charged more than predetermined voltage, over charge prevent function is operated to prevent the secondary battery deterioration and breakage.

Power Depletion Warning Function

When the battery nears its end, the small second hand moves at two-second intervals instead of the normal one-second intervals.

How to Charge and Start the Watch

Charging the watch:

1. Expose the watch to sunlight or strong artificial light (of more than 1,000Lx).
 - When the watch has stopped operating, the second hand will start moving at two-second intervals.
 - The second hand immediately starts moving at two-second intervals, but the energy stored in the secondary battery is not sufficient. If the watch is turned away from the light, it may stop operating.
 - It is not necessary to charge the watch fully. It is important, however, to charge the watch sufficiently, especially in the case of initial charging.
2. Keep the watch exposed to the light until the second hand moves at one-second intervals.
3. When the watch is charged after it has completely stopped set the date and time before wearing the watch.

* When you start the watch or when the energy remaining in the secondary battery is very low, charge it sufficiently by exposing the watch to light.

Caution:

When charging the watch, do not place it too close to fluorescent lamp or other light sources as the watch temperature will become extremely high, causing damage to the parts inside the watch.

To Prevent Energy Depletion:

Avoid covering the watch with your clothing while wearing it.

When the watch is not in use, leave it in a bright lit place for as long as possible. Make sure that the watch temperature does not exceed 50° Celsius.

Guidelines for Charging Time:

ILLUMINATION (Lx)	LIGHT SOURCE	ENVIRONMENT	SIX MONTH FULL CHARGE	ONE DAY OF POWER
3,000	FLUORESCENT		65 Hrs	20 Min
10,000	SUN LIGHT		18 Hrs	6 Min
100,000			5 Hrs	2 Min