



For Human and Nature

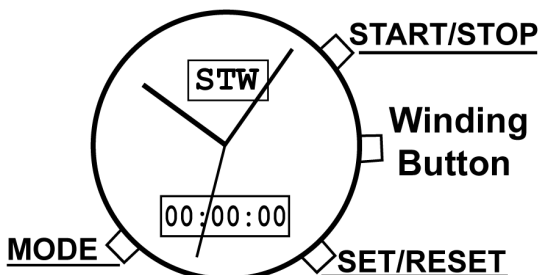
USER MANUAL

World Timer Chronograph Multi-Band, Solar Radio Clockwork W341M / W345M

No. W341M / W345M 08/12

Product Features:

- Multi-band solar radio clockwork- the following time signals can be received:
 - DCF 77, Mainflingen near Frankfurt/Main, Germany (D)
 - MSF, Anthorn, Great Britain (UK)
 - WWVB, Fort Collins, USA
 - JJY, Tokyo, Japan (JP)
- Radio-controlled automatic time setting and time change for Daylight Savings Time and standard time
- Perpetual calendar
- Transmitter call
- Worldwide manual time zone adjustment, world time display of 38 cities
- Digital display - adjustable to German/English
- Display in the lower LCD display: date, world time, stopwatch
- Display in the upper LCD display: world time zone, stopwatch, day of the week
- Stopwatch 1/100 second
- Solar clockwork with rechargeable storage cell, overcharging protection and low-energy indicator
- Power reserve 1-6 months depending on the state of charge. If fully charged, 6 months.
- Sleep function, for energy saving, is activated, if the watch is stored in the dark for 3 days. The hands stop on 12. If the watch comes into light again, the stored time is displayed. In the case of longer dark phases, the watch is updated again by pressing any button.



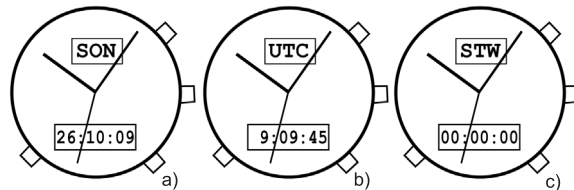
General information

Your solar watch should always have a basic charge to prevent damage to the storage cell. For this purpose, it is recommended to never store the watch permanently in the dark and to expose it to light on a daily base.

The winding button of your watch may be bolted (model-dependent)! Loosen the button by turning it counterclockwise to adjust settings. By pressing the button and turning it clockwise, the winding button is locked again.

1. Basic setting

In the case that the watch was exposed to strong vibrations or magnetic fields, the synchronization between LCD display and hands may be disturbed. For this reason, a re-calibration of the hands is necessary when you start using your watch for the first time. Pull the winding button of your watch all the way out. The LCD display shows **CAL**. Now press the **Start/Stop** button until the second hand is on 12:00. Now turn the winding button, until the minute hand and the hour hand are exactly on 12:00 as well. Now, press the winding button completely in. Depending on the adjusted time zone **DCF / MSF / WWB / JJY**, the upper LCD display now indicates the reception of the radio signal. In order to manually adjust the received time signal, press the **Mode** button during signal reception. The watch now searches for the time signal adjusted by you. Pay attention to the reception strength of the respective time signal. This process may take 5-8 minutes. *The storage cell must have sufficient charge for this process. If this is not the case, the process can only be completed after sufficient charging time.*



2. LCD display:

- a) Upper LCD display: day of the week; lower LCD display: date,
- b) Upper LCD display: city; lower LCD display: world time
- c) Upper LCD display: stopwatch; lower LCD display: stop time

3. Manual transmitter call

Press **Start/Stop** for 3 seconds while the world time or the day of the week is indicated in the upper LCD display. (In order to cancel the manual transmitter call, repeatedly press the **Start/Stop** button for 3 seconds during transmitter search). This starts radio signal reception. It takes 3-8 minutes for the reception to complete. To switch to a different time signal for the transmitter call (e.g., as you are outside the preset time signal while searching the transmitter), press the **Mode** button during the transmitter search. The respective signal designation is shown in the upper LCD display. The watch adjusts the radio time and the correct date according to the received signal. The transmitter call refers to the respective time signal of the adjusted time zone, respectively to the manually switched receive signal. If reception was not successful, the hands adjust back to the time received last. The signal will be automatically obtained every night between 3 and 4 am.

4. Adjustment of the analog world time (indicated by hands)

To adjust the analog world time, change the radio signal reception, or to manually adjust the time, proceed as follows: Press **Set/Reset** for approx. 3 seconds while the day of the week and the date are shown on the display, in order to enter the programming mode provided for this purpose. The time zone flashes. Now you can select one of the 38 cities/time zones using the **Start/Stop** button. Next, press **Mode** to enter the DST (Daylight Savings Time) setting. Press **Start/Stop** to activate / deactivate this setting („ON/OFF“). Press **Mode** to enter the hour indicator in the lower LCD display. Adjust the hour as you wish using the **Start/Stop** button. Press **Mode** again to continue. Similarly, you can adjust the minutes, language (GERMAN/ ENGLISH) for the weekly display as well as the date. Press **Set/Reset** to exit the manual settings. Now, the hands adjust automatically. The watch automatically uses the radio signal adjusted for the respectively set analog world time for signal reception, if the signal is available and the reception strength is sufficient (transmitter locations, see „Product Features“).

5. Manual adjustment of the digital world time (time zone/ city in the digital display)

To change the world time in the digital LCD display, proceed as follows: A world time is shown in the LCD display. Now, press **Set/Reset** for approx. 3 seconds. The world time zone currently programmed flashes in the upper LCD display. Now, press **Start/Stop** to change the world time zone. Next, press **Mode** to enter the DST setting. Press **Start/Stop** in order to activate /deactivate („ON/OFF“) the Daylight Savings Time. Press **Set/Reset** to finish and exit the settings.

6. Stopwatch

If **STW** is indicated in the display, press **Start/Stop** to start and stop the stopwatch. When pressing **Set/Reset**, the stopwatch is reset to zero. Intermediate time measurements are possible using **Set/Reset** while the stopwatch is running, **SPL** (split stopwatch) indicator.

7. World time: 38 cities

The following cities / time zones can be selected:

SAM SAMOA	AUC AUCKLAND	ROM ROME
HNL HONOLULU	NOU NOUMEA	MAD MADRID
ANC ANCHORAGE	UTC koordinierte Weltzeit	LON LONDON
BER BERLIN	AZO AZORES	GUM GUAM
CAI CAIRO	LAX LOS ANGELES	JNB JOHANNESBURG
SAN SAN DIEGO	MOS MOSCOW	DEN DENVER
DXB DUBAI	CHI CHICAGO	KHI KARACHI
DAL DALLAS	DEL DELHI	MEX MEXICO
DAC DHAKA	NYC NEW YORK	BKK BANGKOK
CCS CARACAS	HKG HONG KONG	RIO RIO DE JANEIRO
BJN BEIJING	SAO SAO PAULO	SIN SINGAPORE
BUE B. AIRES	TYO TOKYO	MID MID ATLANTIC
SYD SYDNEY	PAR PARIS	

8. Declaration of Conformity

We hereby declare that this wristwatch complies with the fundamental requirements and further relevant regulations of Directive 1999/4/EC.

9. This product complies with the EMC Directives of the EU.

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