

Instructions for Radio Controlled Watch

#87056, #87057, #87058, #14515, #14516, #14517
#14518, #14519, #14520, #14521, #87170, #87171, #87172

Introduction

Your Atomic (Radio Controlled) Watch is a Multi-Band Radio Control Watch.

It incorporates a highly sensitive radio receiver that receives time signals from **continental USA**, the **UK**, **Germany (Central and Western part of Europe)** and most parts of **Japan** and South Korea automatically according to your Time Zone setting on the Watch.

** Your Radio Controlled Watch even changes automatically for Daylight Saving Time (when applicable).

Automatic Time Setting

Your Atomic Time (radio controlled) Watch recalls the available Atomic Clock signal automatically at 3:00AM every night according to your Time Zone setting (go to Travel Around the World for details). After the signal from the tower is received it will show the official local time on the watch. Everything is done automatically.

Button Functions



S1 (is the upper button):

- Press and holding S1 to manually search for the radio signal.
- Press-release S1 once to show the signal reception Succeed (OK at 12 O'clock) or Fail (NG at 6 O'clock)

S2 (is the middle button):

- Second-hand re-calibration

S3 (is the lower button):

- Press-release S3 to show USA time zone setting (indicate by Red/Green LEDs)
- Press and holding S3 to show current Global Time Zone setting

Check USA Time Zone Setting

1. Press-release S3 once while the watch is running normally.
2. LED light indicates the USA Time Zone setting as below:
 - RED (Stable light) = Pacific (P)
 - Green (Stable light) = Mountain (M)
 - RED (Flashing light) = Central (C)
 - Green (Flashing light) = Eastern (E)
 - RED+GREEN light flashing at the same time = not being set to a USA Time Zone
3. Press-release S3 to Exit

USA Time Zone Setting

You should use "USA Time Zone Setting" to set USA time zones on your watch.

There are 4 time zones across USA namely Pacific (P), Mountain (M), Central (C), Eastern (E). LED light indicates the USA Time Zone setting. Follow the below procedures to set USA Time Zone:

1. Press-release S3 once while the watch is running normally
2. LED lights up underneath from the watch dial (watch face) to show the current USA Time Zone setting of the watch
3. Press-release S1 or S2 to set the watch to a new USA Time Zone according to the following table:
 - RED (Stable light) = Pacific (P)
 - Green (Stable light) = Mountain (M)
 - RED (Flashing light) = Central (C)
 - Green (Flashing light) = Eastern (E)
4. RED+GREEN light flashing at the same time indicates that the watch is currently not set to any USA time zone. This happens when you travel abroad and your watch has been set to an overseas time zone outside USA.
4. To confirm a new USA Time Zone setting or Exit, press-release S3 once or the watch will Exit by itself after 30 seconds
5. The watch will run fast and adjust itself to the new time automatically after you have set it to a new USA Time Zone.

Just wait until your watch runs normally (Running time vary from minutes to 40 minutes depending on the Time Zone Setting). Please don't press any button while the second-hand is fast running.

Reception OK or Fail Check

You can check your watch to see if it can get a signal or not.

1. Press-release S1 once while the watch is running regularly
2. If the reception is successful, the second-hand will pause at 12 o'clock

- If the reception is failed, the second-hand will pause at 6 o'clock

Don't push any button after the second hand has stopped. Wait until your watch runs again.

Checking Global Time Zone setting:

- Press and holding S3 three seconds while the watch is running regularly. The second-hand will point at the current Global Time Zone setting. Release the button and **don't press any button**.
- To Exit, just leave the watch alone until it resumes running normally.

Travel around the World

Your watch is able to receive time signals from USA, Germany, UK and Japan automatically according to your Time Zone setting. Your watch will continue to work by using the last received signal as a reference if no local time signal is present in country where you visit.

When you go abroad make sure you set the right Time Zone according to the below setting procedures.

Set your Watch to a Time Zone outside your country

IMPORTANT:

Before change Time Zone, please press S1 (upper button) and see if second-hand point exactly at 12 O'clock or 6 O'Clock. If not, please go to

TROUBLE SHOOTING

“**Procedure to calibrate the shifted second-hand**” section and do the re-calibration for the second-hand first.

- Press and holding S3 for more than 3 seconds while the watch is running normally until the second-hand points at the current Time Zone setting.
- Press-release S1 once at a time to move the second-hand forward through the Time Zones according to the “Table of World Time Zone versus the Second-Hand position”
- After the Time Zone is set, press-release S2 hardly to confirm.

The watch will run fast and will adjust itself to the correct time automatically after you have set the watch to a new Time Zone. Just wait until your watch runs normally. (Running time vary from minutes to 40 minutes depending on the Time Zone Setting).

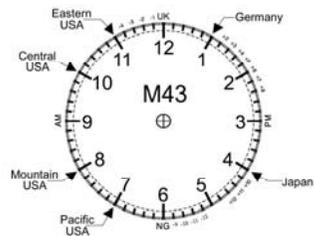
Remark:

Customer lives in US should use “USA Time Zone Setting” to set your watch to one of the USA time zones when you come back to America from abroad.

Table of World Time Zone against Second-Hand Position

<u>UTC</u>	<u>Time Zone</u>	<u>Second-Hand Position</u>
0	London-----	Second-hand point to (12 o'clock)
-1	Cape Verde	00:00:59
-2	Mid-Atlantic	00:00:58
-3	Greenland	00:00:57
-4	Santiago	00:00:56
-5	USA(Eastern)-----	Second-hand point to (11 o'clock)
-6	USA(Central)-----	Second-hand point to (10 o'clock)
-7	USA(Mountain)-----	Second-hand point to (8 o'clock)
-8	USA(Pacific)-----	Second-hand point to (7 o'clock)
-9	Alaska	00:00:29
-10	Hawaii	00:00:28
-11	Samoa	00:00:27
-12	Kwajalein	00:00:26

<u>UTC</u>	<u>Time Zone</u>	<u>Second Hand Position</u>
0	London-----	Second-hand point to (12 o'clock)
+1	Berlin, Paris, Madrid-----	Second-hand point to (1 o'clock)
+2	Istanbul	00:00:06
+3	Moscow	00:00:07
+4	Abu Dhabi	00:00:08
+5	Islamabad	00:00:09
+6	Dhaka	00:00:10
+7	Bangkok	00:00:11
+8	Beijing, HK	00:00:12
+9	Tokyo, Seoul-----	Second-hand point to (4 o'clock)
+10	Sydney	00:00:21
+11	Guam	00:00:22
+12	New Zealand	00:00:23



Manual Signal Reception

Your Atomic Watch is programmed to receive the local Atomic clock signal at 3AM every day automatically. If you want to manually search for the radio signal please follow the instructions below:

- Press and holding S1 for about 6 seconds until the second-hand stops. This shows that the watch is in the “Manual Signal Reception Mode”.
- As your watch is attempting to pick up the radio signal it will take about 4 to 20 minutes to complete this process.
- After receiving the radio signal the second hand will run fast. After completion, the current time will be displayed when the second hand stops running. **DO NOT** push any button before the watch runs regularly.

The signal is always better during the nighttime but not during the daytime. So if your watch cannot receive the signal during the daytime, just leave it nearby a window with facedown position and check it again the next morning.

Watch position for Radio Signal Reception

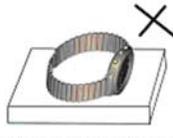
Your watch should not be placed in either of the positions marked with the “X”. Depending on the material of your watch it should be placed by a window during signal reception or it will not be able to get the best reception results.

Wrong Positions for Metal Case with Metal Band

- Never let the metal band touching the case-back as it will affect signal reception.
- Never put the watch by its side, as it will not be able to get signal on this position.



Never let the metal band touch the case back as it will effect the signal reception



Never put the watch by its side as it will not able to get signal on this position

Correct Positions for Signal Reception

For Metal watch with metal band:

1. As shown in Fig. A
2. Put the watch face-down on a wooden table
3. Insert some non-metallic material, such as a roll of paper or a towel in between the case-back and the metal band.



Fig.A Metal watch

Watch with Elastic Plastic Band:

1. As shown in Fig. B
2. Put the watch face-down on a wooden table



Fig.B Plastic watch

Plastic Watch with Leather Band:

1. As shown in Fig. C
2. Put the watch face-up on a wooden table



Fig.C Leather band watch

TROUBLESHOOTING

Watch Not Receiving the Time Signal

Reason for not being able to receive the Time Signal include:

- Watch is not placed nearby a window in order to receive the signal
- Being outside of USA, Germany, UK or Japan
- Incorrectly positioning your watch during signal reception. Go to “Watch Position for Radio Signal Reception” for details
- Being inside a Building Area
- Around Metal Objects blocking the Radio Signal
- Interference caused by being near a computer monitor or T.V.

Ensure that your watch is left by a window with the position described in accordance to the “Watch Position for Radio Signal Reception”. You may have to try different windows in the house to see which one is the best. You can test this using the Reception Status Test described earlier. Please note that reception is always better at night. If your watch is unable to make contact with the radio signal, it will continue to function in the same way as a standard watch. The time will then be corrected the next time your watch receives the time signal.

Second-hand is incorrect

Your watch is a very delicate and precise instrument. Although uncommon, sometimes hard knocks or vibrations can cause the hands to move irregularly, and therefore display the incorrect time, although the internal clock is keeping accurate time. You may notice this if when checking for a reception status and the second hand does not pause at exactly the 12 or 6 (half second deviation is acceptable). The 12 or 6 o'clock reference point has changed and the watch needs to be re-calibrated.

Procedure to calibrate the shifted second-hand

Step 1: Press S1 once while the watch runs normally

Step 2: While second-hand is pointing around 12 or 6 o'clock, press and holding S2 for more than 3 seconds until the second-hand pauses to another new position then release the button.

Step 3: The second-hand may stop on the following 3 positions namely A, B or C. Check and perform second-hand calibration action according to A, B or C.

Remark:

If you cannot calibrate the shifted second-hand successfully in one time, you need to repeat Step 1 to 3 once or several times until the second-hand is calibrated.

A. If the second-hand stops between 12 to 6 o'clock

- Press S1 (upper button) once at a time until the second-hand points exactly at 6 o'clock position
- Press S2 (middle button) once hardly to confirm.

B. If the second-hand stops between 6 to 12 o'clock

- Press S2 (middle button) once hardly and wait for the watch to resume running.
- After the watch resume running, repeat Step 1 to 3.

C. If the second-hand stops exactly at 6 o'clock

- Just press S2 (middle button) once hardly and wait for the watch to resume running.

Remark:

The watch stops for a while after second-hand calibration, wait until the watch resume running. Then you should press S1 (upper button) once to see its calibrated position. If the second-hand pauses exactly at 12 or 6 o'clock, the calibration is successfully. If not, repeat Step1 to 3 until the second-hand is calibrated.

[Hour is wrong while Minute is correct](#)

If your Time Zone setting is incorrect, your watch will show you the wrong time. You need to manually set it to the right Time Zone. Go to "USA Time Zone Setting" or "Set your Watch to a Time Zone outside your country" for details.

[Hour is correct but Minute is wrong](#)

If hour is correct but minute is always incorrect then you need to reset the watch. This could happen when a second hand alignment is done incorrectly. Go to "Reset your watch" for details.

[Both Hour and minute are wrong](#)

If minute and hour are always incorrect then you need to reset the watch. This could happen after a battery replacement when hands are not stopped to 12 o'clock or cause by any unexpected reasons. Go to "Reset your watch" for details.

[Watch stop at 12 o'clock](#)

Battery finished. Need to replace a new battery. Go to "Battery Change" for details.

[Second Hand Running Non-Stop](#)

When battery is low, the Second Hand starts to run fast. If this happens then change the battery of the watch after it stops. (Never replace the battery while the second hand is running. Only replace the battery when the watch stops at 12 o'clock)

Reset your watch

1. Press-release S1 once
 2. While the second hand pauses, press and holding S2 (middle button) more than 3 seconds until the second-hand stops to another new position, then release S2 button.
 3. Press and holding S1 (the top button) for more than 10 seconds to set the second-hand to run fast. Release your finger when the second hand runs fast.
 4. You can stop the high speed running second-hand by a press of S1.
 5. To restart the fast running second-hand, press and hold S1 again.
 6. When the fast running second-hand is driving hour and minute hands close to the 11:59:00, stop the second-hand with one press of S1. Continue to press S1 one press a time until all hands align at 12:00:00
- (if you accidentally go past the 12, start this process again.)
7. When all hands are aligned at the 12 O'clock position (12:00:00). Leave your watch along for 10 minutes patiently (no need to push any button during this period).
 8. When second hand runs normally, you need to do the following:

- Set USA Time Zone if you are a USA user. Go to "USA Time Zone Setting" for details.
- If you are a Germany, UK or Japan user and your watch is bought locally, no need to set Time Zone on your watch as it has been preset to your country Time Zone before leaving the factory.
- Place your watch near a window to get signal. The watch will start to update signal at the beginning of next Hour. It will continue updating signal for the coming 24 hours. After receiving a valid time signal, and the hands move on to the correct time.

BATTERY CHANGE:

When your watch stops at 12 o'clock. You need to replace the battery with a new one.

Your watch uses a CR1620 type battery; You should find a trained jeweler or watch specialists to change the replacement battery to avoid any damage to the watch.

Open the watch at the back. Carefully remove the bottom, make sure you do not lose the waterproof seal.

Pick up the battery spring carefully.

Take out the battery and insert a new one (watch the polarity!"+"up).

Now push the battery spring down.

Before you put the case-back on again, make sure the waterproof seal is correctly in place.

IMPORTANT:

After battery replacement, wait for about 10 minutes until the second hand runs normally, then

1. Set USA Time Zone if you are a USA user. Go to "USA Time Zone Setting" for details.
2. If you are a Japan, UK or Germany user and provided that your watch is bought locally, you do not need to set time zone on your watch as your watch has been set to your local time zone before leaving the factory.
3. Place your watch near a window to get signal. The watch will start to update signal at the beginning of next Hour. It will continue updating signal for the coming 24 hours. After receiving a valid time signal, and the hands move on to the correct time.