MA1902-EA © 2019 CASIO COMPUTER CO., LTD.

User's Guide 5603 (OC)

CASIO

ENGLISH

Congratulations upon your selection of this CASIO watch.

For details about how to use this watch and for troubleshooting information, go to the website below.

https://world.casio.com/manual/wat/

- Keep the watch's face exposed to light as much as possible (page E-5).

Important!
- For details about how to adjust the current time zone, time, and day settings, see "Timekeeping (Current Time and Day Adjustment)" (page E-7).

Note that CASIO COMPUTER CO., LTD. assumes no responsibility for any damage or loss suffered by you or any third party arising through the use of your watch or its malfunction.

Features

Your watch provides you with the features and functions described below.

◆ Solar powered operation ..... Page E-5
The watch generates electrical power from sunlight and other types of light, and uses it to charge a battery that powers operation.

◆ Accurate timekeeping ..... Page E-7
Timekeeping is kept accurate using information provided by receipt of a time calibration signal and by communication with a phone.

◆ Current time in cities around the globe ..... Page E-8
View the current time in 27 cities (38 time zones) around the globe.
Simple swapping of World Time with your Home Time.

◆ Stopwatch ..... Page E-8
The stopwatch measures elapsed time up to 24 hours in one-second increments.

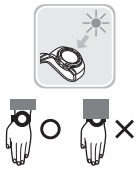
Bluetooth® is a registered trademark or trademark of Bluetooth SIG, Inc. of the United States.

This product has a Mobile Link function that lets it communicate with a Bluetooth® capable phone to perform automatic time adjustment and other operations.
- This product complies with or has received approval under radio laws in various countries and geographic areas. Use of this product in an area where it does not conform to or where it has not been approved under applicable radio laws may be punishable under local laws. For details, visit https://world.casio.com/ce/BLE/.
- Use of this product inside of an aircraft is restricted by the aviation laws of each country. Be sure to obey instructions provided by flight personnel concerning use of devices such as this product.

Contents

Features E-2
Charging the Watch E-5
Timekeeping (Current Time and Day Adjustment) E-7
Mode Reference Guide E-8
Using the Watch in a Medical Facility or Aircraft E-10
Timekeeping (Based on a Time Calibration Signal) E-11
Appropriate Signal Reception Location (Time Calibration Signal) E-11
Time Calibration Signal Auto Receive E-12
Time Calibration Signal Manual Receive E-13
City (Time Zone) Setting E-14
Home City (Time Zone) Setting E-14
World Time City (Time Zone) Setting E-15
Configuring Time and Date Settings Manually E-16
Specifications E-17

Charging the Watch



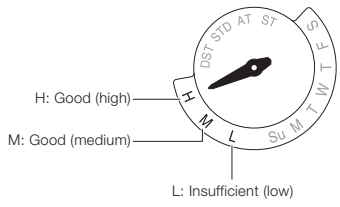
- When you are not wearing the watch, leave it where its face (solar panel) is exposed to bright light for charging.
- To help ensure stable operation, expose the face of the watch to about a half day of direct sunlight each month to charge it.

- While wearing the watch, take care so your sleeve does not block its face (solar panel) from light. Charging efficiency may be reduced if the face (solar panel) is blocked from light, even partially.

Caution
- The case of the watch may become extremely hot when charging. Guard against burn injury.

Power Saving
- Leaving the watch in a dark location for about one hour between 10:00 p.m. and 5:50 a.m. will cause the second hand to stop.
- Leaving the watch in a dark location for about one week will cause all hands to stop.

Charge Level Indication
- Pushing the crown back in after pulling it out will cause the current charge level to be indicated momentarily.



Battery Alerts
- Low Battery
  Second hand jumps every two seconds (Low Battery Alert).
- Dead Battery
  All hands stopped.

Timekeeping (Current Time and Day Adjustment)

Timekeeping is kept accurate using information provided by a time calibration signal and by communication with a mobile phone.
- Time calibration signals can be received using Auto Receive or Manual Receive (page E-11).
- To set the current time and day, normally use the procedure under "Time Calibration Signal Auto Receive" (page E-12).
- For information about how to adjust time using a phone, refer to the Operation Guide available at the website below.
  https://world.casio.com/manual/wat/
- If you are in an area where a time calibration signal cannot be received or if you cannot connect with a phone for some reason, adjust time and date settings manually (page E-16).

Important!
- For the watch to be able to receive a time calibration signal, its Home City setting must be one where time calibration signal reception is normally supported (pages E-14 and L-2).
- If you feel that the current time and/or day indicator are not in the correct positions, you can adjust their alignment. For details, see the Operation Guide available at the CASIO website.
- Time calibration signal reception is normally possible in the areas below.
  Japan, China, North America, Europe
  For details, see the Operation Guide available at the CASIO website.

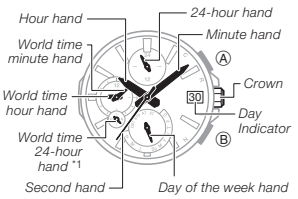
User's Guide 5603 (OC)

CASIO

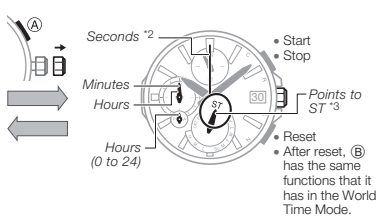
Mode Reference Guide

- To navigate between modes, press Ⓐ while the crown is pulled out (to either the first or second click). After selecting the mode you want, push the crown back in to its normal position. You can also navigate between modes using Mobile Link.

World Time Mode



Stopwatch Mode



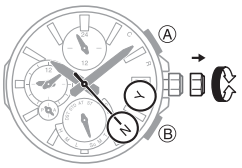
*1 The A-side of the dial indicates an a.m. time, while the P-side indicates a p.m. time.
*2 Indicates elapsed seconds during a stopwatch operation, and current time seconds while the stopwatch is reset to zero.
*3 Points to ST while a stopwatch operation is in progress. Points to the current day of the week while the stopwatch is reset to all zeros.

World Time Mode Button Operations

- To check the current Home City (time zone) setting, press Ⓐ once.
- To swap your Home Time with the World Time, hold down Ⓐ for at least three seconds.
- To view the result of last time calibration by time signal reception or Mobile Link, press Ⓑ once.
- If the watch is not paired with a phone, you can perform the operations below.
  - To adjust time with a time signal, hold down Ⓑ for at least 0.5 seconds.
  - To pair with a phone, hold down Ⓑ for at least 2.5 seconds.
- If the watch is paired with a phone, you can perform the operations below.
  - To adjust time using Mobile Link, hold down Ⓑ for at least 0.5 seconds.
  - To connect with the phone, hold down Ⓑ for at least 2.5 seconds.
  - To find the phone, hold down Ⓑ for at least five seconds.
- For details, refer to the Operation Guide available at the CASIO website.
  https://world.casio.com/manual/wat/

Using the Watch in a Medical Facility or Aircraft

- Disable auto time adjustment whenever you are in a medical facility, and aircraft, in any other area where radio wave reception and connection with a phone are prohibited or restricted.
- Disabling auto time adjustment disables time calibration signal auto receive and auto connection with a phone.
- Press Ⓑ once and then pull out the crown to the first click. The second hand will move to **Y (YES)** (auto receive enabled) or **N (NO)** (auto receive disabled). To disable auto time adjustment, rotate the crown to move the second hand to **N (NO)**. To enable auto time adjustment, rotate the crown to move the second hand to **Y (YES)**. After the setting is the way you want, push the crown back in to its normal position.



Timekeeping (Based on a Time Calibration Signal)

Appropriate Signal Reception Location (Time Calibration Signal)

- Keep the watch away from metal and position it so its 12 o'clock side is facing a window. Avoid moving the watch as much as possible and do not perform any watch operations while a signal receive operation is in progress.

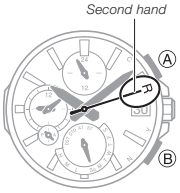


- **You may experience time calibration signal reception problems in the areas described below.**
  - Among or near buildings
  - While riding in a vehicle
  - Near household appliances, office machines, mobile phones, etc.
  - On a construction site, in an airport, or any other location where radio wave interference occurs
  - Near high-voltage lines
  - In mountainous areas or behind a mountain
- Always check the time setting on the day there should be a switch between standard time and summer time (DST). If the setting is not correct (due to signal reception failure), turn DST on or off manually as required.

Time Calibration Signal Auto Receive

- **Leave the watch in a location that is appropriate for time calibration signal reception between the hours of midnight and 5:00 a.m. See "Appropriate Signal Reception Location (Time Calibration Signal)" (page E-11).**
  - The second hand will point to **R (RC)** while time calibration signal reception is in progress.
  - Reception normally takes anywhere from about two to ten minutes, but it can take as long as 20 minutes.
  - When the receive operation is successful, the time and day settings will be adjusted automatically.
  - You can disable auto receive if you want. See "Using the Watch in a Medical Facility or Aircraft" (page E-10).

Time Calibration Signal Manual Receive



1. Hold down Ⓐ for at least 0.5 seconds until the second hand moves to **R (RC)**. If the second hand is a position other than **R (RC)**, keep Ⓑ depressed until it moves to **R (RC)**.
   - This operation cannot be performed while the watch is paired with a phone (page E-9).
2. Place the watch near a window.
   - The time setting will be adjusted automatically when a signal receive operation is successful.
   - Calibration signal reception normally takes anywhere from about two to 10 minutes. It can take as long as 20 minutes.
   - Best reception is in the middle of the night.

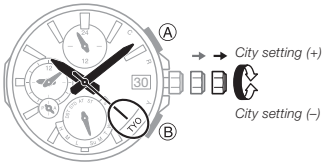
City (Time Zone) Setting

Important!

- In order to prevent loss of water resistance and damage due to impact, make sure that the crown is fully pushed in to its normal position after operating it.
- Operation details: Operation Guide available at the CASIO website.

Home City (Time Zone) Setting

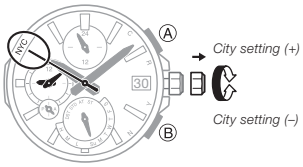
1. Pull the crown out to the second click.
   - Rotate the crown to move the second hand to the city or time zone you want to select.



World Time City (Time Zone) Setting

Shows current World City time.

1. In the World Time Mode, pull the crown out to the first click.
   - Rotate the crown to move the second hand to the city or time zone whose date and time you want to select.



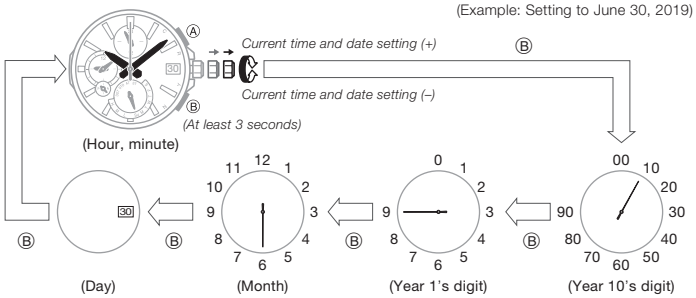
User's Guide 5603 (OC)

CASIO

Configuring Time and Date Settings Manually

● Pull out the crown to the second click, hold down Ⓑ for at least three seconds, and then perform the operations below to adjust the time and date settings.

(Example: Setting to June 30, 2019)



• Operation details: Operation Guide available at the CASIO website.
https://world.casio.com/manual/wat/

Specifications

Accuracy at normal temperature: ±15 seconds a month (When receive of a calibration signal or communication with a phone for time adjustment is not possible.)

Timekeeping : Hour, minutes, seconds, day, day of the week
Calendar system: Full Auto-calendar pre-programmed from the year 2000 to 2099
Other: Home City (Time Zone) and World Time City (Time Zone) can be assigned one of 38 time zones (27 cities)* and Coordinated Universal Time; Daylight Saving Time (summer time)/Standard Time auto switching
* Time zone data may be changed when the watch communicates with a phone.

Signal receive function: Auto receive, manual receive
Auto transmitter selection (for JJY, MSF/DCF77)
Receivable call signs: JJY (40 kHz/60 kHz), BPC (68.5 kHz), WWVB (60 kHz), MSF (60 kHz), DCF77 (77.5 kHz)
Manual and auto standard time/summer time switching

Mobile Link Functions:
Auto Time Adjustment
Time setting automatically adjusted during a fixed time period.
One-touch Time Correction
Manual connection and time adjustment
Phone Finder
Watch operation sounds a tone on the connected phone.
Home City/World Time City swapping
Auto summer time switching
Automatic switching between standard time and summer time.

Hand position correction
Data Communication Specifications
Bluetooth®
Frequency Band: 2400MHz-2480MHz
Maximum Transmission: 0 dBm (1 mW)
Communication range: 2 meters max. (depends on environment)

Stopwatch:
Measuring unit: 1 second
Measuring capacity: 23 hours 59 minutes, 59 seconds (24 hours)
Measuring mode: Elapsed time

Other: Power Saving; Battery power indicator; Low battery alert; Auto Correction of Hand Home Positions

Power Supply: Solar panel and one rechargeable battery
Approximately 5 months
Not exposed to light under the conditions below.
• Auto time adjustment: 4 times/day
• Power saving: 6 hours/day

Specifications are subject to change without notice.

City (Time Zone) List

City (Time Zone) List

City Code	City	UTC Offset/GMT Differential	Radio wave to be received	Summer Time Period	
				Summer Time Start	Summer Time End
UTC		0		None	None
LON	LONDON*	0	MSF/DCF77	01:00, last Sunday in March	02:00, last Sunday in October
PAR	PARIS*	+1		02:00, last Sunday in March	03:00, last Sunday in October
ATH	ATHENS*	+2		03:00, last Sunday in March	04:00, last Sunday in October
JED	JEDDAH	+3	–	None	None
–	–	+3.5			
DXB	DUBAI	+4			
–	–	+4.5			
–	–	+5			
DEL	DELHI	+5.5			
–	–	+5.75			
DAC	DHAKA	+6			
–	–	+6.5			
BKK	BANGKOK	+7			
HKG	HONG KONG*	+8	BPC		

City Code	City	UTC Offset/GMT Differential	Radio wave to be received	Summer Time Period	
				Summer Time Start	Summer Time End
–	–	+8.75	–	None	None
TYO	TOKYO*	+9	JJY		
–	–	+9.5	–	02:00, first Sunday in October	03:00, first Sunday in April
SYD	SYDNEY	+10			
–	–	+10.5		None	None
NOU	NOUMEA	+11			
WLG	WELLINGTON	+12		02:00, last Sunday in September	03:00, first Sunday in April
–	–	+12.75		None	None
TBU	NUKUALOFA	+13			
CXI	KIRITIMATI	+14			
BAR	BAKER ISLAND	–12			
PPG	PAGO PAGO	–11			
HNL	HONOLULU	–10			
–	–	–9.5			
ANC	ANCHORAGE	–9		02:00, second Sunday in March	02:00, first Sunday in November
LAX	LOS ANGELES*	–8	WWVB		
DEN	DENVER*	–7			
CHI	CHICAGO*	–6			

City Code	City	UTC Offset/GMT Differential	Radio wave to be received	Summer Time Period	
				Summer Time Start	Summer Time End
NYC	NEW YORK*	–5	WWVB	02:00, second Sunday in March	02:00, first Sunday in November
YHZ	HALIFAX*	–4			
–	–	–3.5	–	None	None
RIO	RIO DE JANEIRO	–3		0:00, first Sunday in November	0:00, third Sunday in February or 0:00, fourth Sunday in February
FEN	F. DE NORONHA	–2		None	None
RAI	PRAIA	–1			

* Cities where auto receive is normally supported.
• Based on data as of July 2018.
• For details about city (time zone), and summer time settings, refer to the Operation Guide available at the CASIO website.
https://world.casio.com/manual/wat/