

Operation Guide 3448

CASIO®

ENGLISH

Congratulations upon your selection of this CASIO watch.

Warning !

- The measurement functions built into this watch are not intended for taking measurements that require professional or industrial precision. Values produced by this watch should be considered as reasonable representations only.
- 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.

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- Keep the watch away from audio speakers, magnetic necklaces, cell phones, and other devices that generate strong magnetism. Exposure to strong magnetism can magnetize the watch and cause incorrect direction readings. If incorrect readings continue even after you perform bidirectional calibration, it could mean that your watch has been magnetized. If this happens, contact your original retailer or an authorized CASIO Service Center.

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About This Manual



- Depending on the model of your watch, display text appears either as dark figures on a light background, or light figures on a dark background. All sample displays in this manual are shown using dark figures on a light background.
- Button operations are indicated using the letters shown in the illustration.
- Note that the product illustrations in this manual are intended for reference only, and so the actual product may appear somewhat different than depicted by an illustration.

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Things to check before using the watch

1. Check the Home City and the daylight saving time (DST) setting.

Use the procedure under "To configure Home City settings" (page E-16) to configure your Home City and daylight saving time settings.

Important!

Proper Hijri calendar, Prayer Time Mode, and Moon Age data depend on correct Home City, time, and date settings in the Timekeeping Mode. Make sure you configure these settings correctly.

2. Configure latitude and longitude settings for your current location.

See "Configuring Latitude and Longitude Settings for Your Current Location" (page E-19).

3. Set the current time.

See "Configuring Current Time and Date Settings" (page E-22).

The watch is now ready for use.

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Mode Reference Guide

Your watch has six "modes". The mode you should select depends on what you want to do.

To do this:	Enter this mode:	See:
• View the current time and date in the Home City • Configure Home City and daylight saving time (DST) settings • Configure current location latitude and longitude settings • Configure time and date settings • Specify the Hijri calendar offset • Configure prayer alarm settings • Configure prayer alarm calculation settings	Timekeeping Mode	E-14
View today's prayer name and prayer times	Today's Salat Time Screen	E-29
View the current time in one of 70 cities (31 time zones)	World Time Mode	E-45

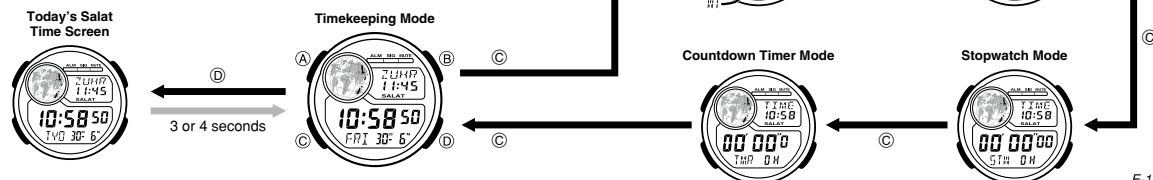
E-8

To do this:	Enter this mode:	See:
Set an alarm time	Alarm Mode	E-47
Use the stopwatch to measure elapsed time	Stopwatch Mode	E-52
Use the countdown timer	Countdown Timer Mode	E-54

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Selecting a Mode

- The illustration below shows which buttons you need to press to navigate between modes.
- To return to the Timekeeping Mode from any other mode, hold down (C) for about two seconds.
- In any mode (except when a setting screen is on the display), press (B) to illuminate the display.



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General Functions

This section explains general functions and operations.

Auto Return Features

- If you leave the watch in the mode below for two or three minutes without performing any operation, it automatically changes to the Timekeeping Mode.
 - Alarm Mode
- If you leave a screen with flashing digits on the display for two or three minutes without performing any operation, the watch exits the setting screen automatically.

Initial Screens

When you enter the modes below, the data you were viewing when you last exited the mode appears first.

- World Time Mode
- Alarm Mode

Scrolling

The (B) and (D) buttons are used on the setting screen to scroll through data on the display. In most cases, holding down these buttons during a scroll operation scrolls through the data at high speed.

E-12

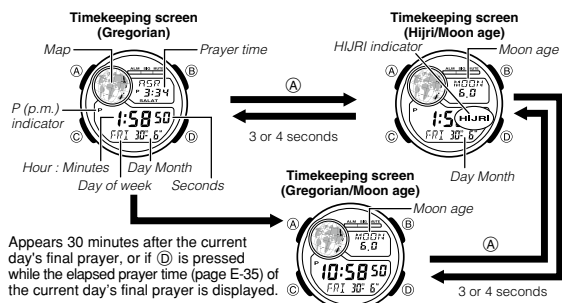
E-13

Timekeeping

Use the Timekeeping Mode to set and view the current time and date.

- To check the Hijri calendar and Moon age at noon of the current date, press (A). If you do not perform any operation for three or four seconds, the watch will return to the Gregorian calendar automatically.
- The **HIJRI** indicator on the display indicates that the Hijri calendar date is displayed.
- If you press (D) while the elapsed prayer time of the current day's final prayer (page E-35) is displayed or if 30 minutes pass after the current day's final prayer, the Moon age will appear on the display and remain displayed until midnight.
- Map: In the Timekeeping and World Time modes, the map shows the zone where the currently displayed digital time is from. In the Alarm, Stopwatch, and Countdown Timer modes, it shows the zone of the currently selected Home City Time.

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Configuring Home City Settings

There are two methods you can use to configure Home City settings: selecting a Home City and then selecting standard time or daylight saving time (DST), or selecting T1 to T3 and then specifying a UTC* offset.

* Coordinated Universal Time (UTC) is the global time standard used to regulate time.

To configure Home City settings

- In the Timekeeping Mode, hold down (A) for about two seconds. Release the button as soon as the flashing **Hold SET** indicator disappears from the display and the currently selected city code flashes on the display. This indicates the Home City setting mode.
 - Holding down (A) too long will display the prayer alarm enable/disable setting screen (page E-32).
 - For details about city codes, see the "City Data Table" at the back of this manual.

E-16

- Press (D) (East) and (B) (West) to scroll through city names until the one you want to use as your Home City code is displayed.
 - When setting a location that does not have a city code assigned, you can select a city code from T1 to T3 (page L-1). When T1 through T3 is selected, press (C) and then use (D) and (B) to select the time offset.
 - Press (C) to display the DST setting screen.
 - Press (D) to toggle between Daylight Saving Time (DST ON) and Standard Time (DST OFF).
5. When the setting is the way you want, press (A) twice to return to the Timekeeping Mode.
- The **DST** indicator appears, indicating that Daylight Saving Time is in effect.
- Note**
- After you specify a city code, the watch will use UTC offsets to calculate the current time for other time zones based on the current time in your Home City.

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To change the Daylight Saving Time (summer time) setting

- In the Timekeeping Mode, hold down (A) for about two seconds. Release the button as soon as the flashing **Hold SET** indicator disappears from the display and the currently selected city code flashes on the display. This indicates the Home City setting mode.
 - Holding down (A) too long will display the prayer alarm enable/disable setting screen (page E-32).
- Press (C) to display the DST setting screen.
- Press (D) to toggle between Daylight Saving Time (DST ON) and Standard Time (DST OFF).
- When the setting is the way you want, press (A) twice to return to the Timekeeping Mode.
 - The **DST** indicator appears, indicating that Daylight Saving Time is in effect.

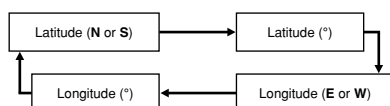
E-18

Configuring Latitude and Longitude Settings for Your Current Location

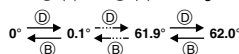
You can ensure correct display of prayer times, and moon ages by configuring latitude and longitude settings for your current location.

- In the Timekeeping Mode, hold down (A) for about two seconds. Release the button as soon as the flashing **Hold SET** indicator disappears from the display and the currently selected city code flashes on the display. This indicates the Home City setting mode.
 - Holding down (A) too long will display the prayer alarm enable/disable setting screen (page E-32).
- Press (A).
 - This displays the latitude and longitude setting screen.
 - In the following steps, each press of (C) cycles between settings as shown below.

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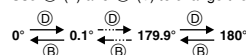
- Press **D** to toggle latitude between **N** and **S**.
- Press **C**.
- Use **D** (+) and **B** (+) to change the flashing latitude value in 0.1° increments.



- Press **C**.
- Press **D** to toggle longitude between **E** and **W**.

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- Press **C**.
- Use **D** (-) and **B** (+) to change the flashing longitude value in 0.1° increments.



- When the settings are the way you want, press **A** to return to the Timekeeping Mode.
- Pressing **D** and **B** at the same time during steps 3 through 9 will return the latitude and longitude to their initial default settings. For information about initial default settings, see the "City Data Table" at the back of this manual.

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Configuring Current Time and Date Settings

You can use the procedure below to adjust the current time and date settings if they are not correct. This watch displays Hijri calendar months and days. The watch normally calculates and displays Hijri calendar dates automatically. If necessary, you can correct the displayed data by ±3 days.

To change the current time and date settings

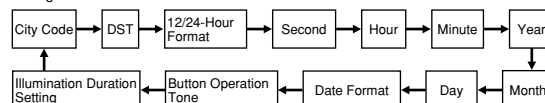


- In the Timekeeping Mode, hold down **A** for about two seconds. Release the button as soon as the flashing **SET** indicator disappears from the display and the currently selected city code flashes on the display. This indicates the Home City setting mode.
- Holding down **A** too long will display the prayer alarm enable/disable setting screen (page E-32).
 - Select your Home City code before changing any other setting.

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- For full information on city code, see the "City Data Table" at the back of this manual.

- Press **C** to move the flashing in the sequence shown below to select the other settings.



- When the setting you want to change is flashing, use **D** and **B** to change it as described below.

Screen	To do this:	Do this:
CITY CODE	Change the city code	Use D (east) and B (west).

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Screen	To do this:	Do this:
DST OFF	Toggle between Daylight Saving Time (DST ON) and Standard Time (DST OFF).	Press D .
12H	Toggle between 12-hour (12H) and 24-hour (24H) timekeeping.	Press D .
50	Reset the seconds to 00.	Press D .
10:58	Change the hour or minute.	Use D (+) and B (-).
20 17	Change the year.	Use D (+) and B (-).
30 6"	Change the day or month.	Use D (+) and B (-).
DD--M	Toggle the setting between Day/Month (DD-M) and Month/Day (M-DD).	Press D .

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Screen	To do this:	Do this:
BEEP	Toggle the setting between enabled (BEEP) and disabled (MUTE).	Press D .
LT 1	Toggle the setting between 1.5 seconds (1) and 3 seconds (3).	Press D .

- For information about selecting a Home City and configuring the DST setting, see "Configuring Home City Settings" (page E-16).

- Press **A** twice to exit the setting screen.
- The day of the week is displayed automatically in accordance with the date (year, month, and day) settings.

Note

Changing your Home City setting will cause all of the following settings to become initialized: latitude and longitude (to the location of the Home City), the prayer calculation method (Fajr, Isha, Asr). Note that these settings are not initialized when T1 to T3 is selected for the Home City setting.

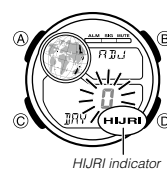
E-25

12/24-Hour Format

- With the 12-hour format, the **P** indicator appears to the left of the hour digits for times in the range of noon to 11:59 p.m. and no indicator appears to the left of the hour digits for times in the range of midnight to 11:59 a.m.
- With the 24-hour format, times are displayed in the range of 0:00 to 23:59, without any indicator.
- The 12-hour/24-hour timekeeping format you select in the Timekeeping Mode is applied in all other modes.

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To specify a Hijri date offset



- In the Timekeeping Mode, hold down **A** for about five seconds until the **ON** or **OFF** starts to flash. Release **A** as soon as the flashing starts.
- This displays the prayer alarm enable/disable setting screen.
- Press **A**.
- This displays Hijri calendar date offset setting screen.
- Use **D** (+) and **B** (-) to change the offset within a range of ±3 days.
- When the setting is the way you want, press **A**.
- This will display the corrected Hijri date.

Note

- The Hijri offset setting is temporary. At the end of each month, the watch automatically corrects the Hijri date and returns the Hijri offset to 0.

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- Note that the Hijri offset also returns to 0 whenever you change the watch's Gregorian date setting or the latitude and/or longitude settings.
- Changing the watch's Gregorian date setting can cause an error in the displayed Hijri date until the watch performs automatic Hijri date correction at the end of the month (on the 29th or 30th day of the month). If the Hijri date display is wrong, adjust it by changing the Hijri date offset.

Hijri Calendar Precautions

Hijri dates displayed by this watch are the results of calculations. Actual Hijri dates may be determined by religious authorities based on observations of a New Moon following sundown. This can result in dates calculated by the watch being different from actual Hijri dates.

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Viewing Prayer Names and Prayer Times

This watch is designed to display prayer name and prayer start times. The Today's Salat Time Screen shows prayer times and elapsed prayer time. A Prayer Time Alarm (which can be enabled or disabled) sounds for 10 seconds when each prayer time arrives. Press any button to stop the alarm after it starts to sound.

About prayer times

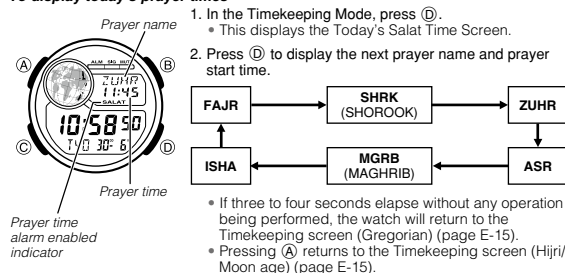
Prayer times are calculated automatically in accordance with the time, date, city code, and prayer time calculation method you set in the Timekeeping Mode. This, of course, means that you should always make sure that your Timekeeping Mode settings are configured correctly.

Prayer Indicator	Prayer Time
FAJR	Fajr start time
SHRK(SHOROOK)	Sunrise time (FAJR prayer end limit)
ZUHR	Zuhr start time

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Prayer Indicator	Prayer Time
ASR	Asr start time
MGRB(MAGHRIB)	Maghrib start time
ISHA	Isha start time

To display today's prayer times

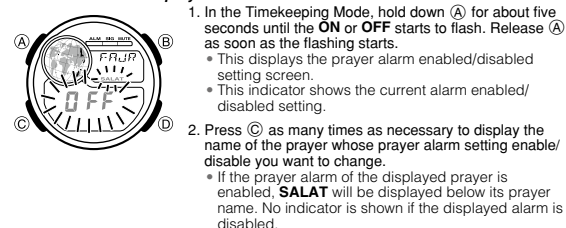


E-30

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- If the time of the next prayer arrives while you are viewing today's prayer times, the watch will perform a prayer alarm alert operation (page E-32) and return to the Timekeeping screen (Gregorian).

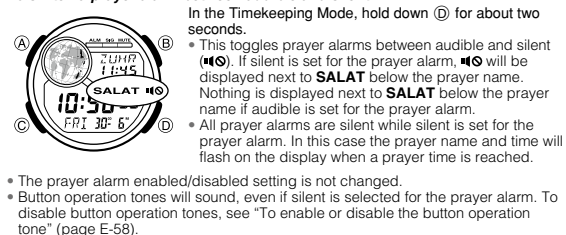
To enable or disable a prayer alarm



E-32

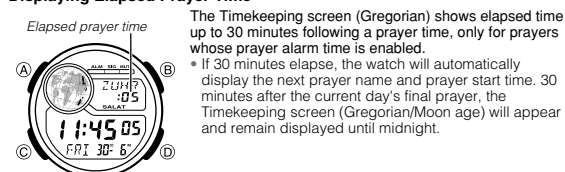
E-33

To switch a prayer alarm between audible and silent



E-34

Displaying Elapsed Prayer Time



- While the prayer elapsed time is displayed, you can press (D) to display the next prayer name and prayer start time. While the current day's final prayer time is displayed, you can press (D) to display the Gregorian/Moon age Timekeeping screen (page E-15), which will remain displayed until midnight.
- Pressing (A) will display the Hijri/Moon age Timekeeping screen (page E-15) for about three or four seconds. After that, the elapsed prayer time will re-appear.

About prayer time calculation methods

Methods that are used to determine prayer times (especially Fajr, Asr, and Isha) differ somewhat between countries and regions. This watch comes with a total of five built-in prayer time calculation methods that conform with various geographical areas around the world. In addition, you can also set your own calculation method for calculation of Fajr, Asr, and Isha.

Prayer Time Calculation Methods

Method Organization	Method (Abbreviation)	Angle of the sun under the Horizon (Fajr)	Angle of the sun under the Horizon (Isha)
Umm al-Qura University, Makkah	UQM	18.5°	90 minutes after Maghrib/120 minutes (during Ramadan only)
Muslim World League	MWL	18.0°	17.0°
Islamic Society of North America (ISNA)	INA	15.0°	15.0°

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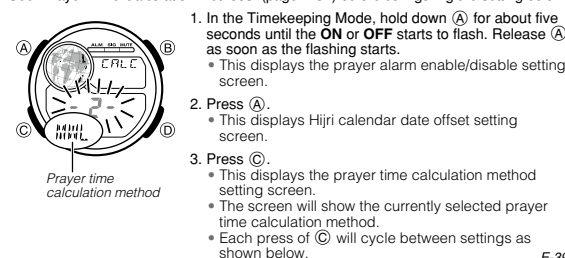
Method Organization	Method (Abbreviation)	Angle of the sun under the Horizon (Fajr)	Angle of the sun under the Horizon (Isha)
University Of Islamic Sciences, Karachi	KHI	18.0°	18.0°
Egyptian General Authority of Survey	EGY	19.5°	17.5°
CUSTOM	---	10-20.0°: 90 minutes before sunrise	10-20.0°: 90 minutes after Maghrib, 120 minutes (during Ramadan only)

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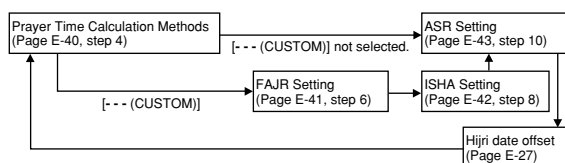
To select a prayer time calculation method (FAJR, ISHA)

Important!

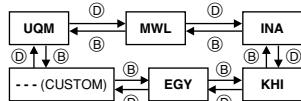
See "Prayer Time Calculation Methods" (page E-37) before configuring the setting below.



E-39



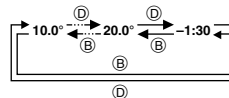
4. Use the **(D)** and **(B)** buttons to select a prayer time calculation method as shown below.



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5. After selecting the prayer time calculation method you want, press **(C)**.
- Selecting a method other than **[--- (CUSTOM)]** will display the [ASR] setting screen. Go to step 10.
 - Selecting **[--- (CUSTOM)]** displays the [FAJR] setting screen. This setting can be configured only if you select **[--- (CUSTOM)]** for the prayer time calculation method, above. If you select any method other than **[--- (CUSTOM)]**, a default FAJR setting is applied.

6. Use the **(D)** and **(B)** buttons to scroll through the FAJR settings on the display as shown below.

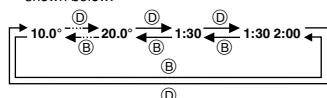


- Scrolling from **10.0°** to **20.0°** is in units of 0.5°.
- 1:30**: 90 minutes before sunrise

E-41

7. When the FAJR setting is the way you want, press **(C)**.
- This will display the [ISHA] setting screen. This setting can be configured only if you select **[--- (CUSTOM)]** for the prayer time calculation method, above. If you select any method other than **[--- (CUSTOM)]**, a default ISHA setting is applied.

8. Use the **(D)** and **(B)** buttons to scroll through the ISHA settings on the display as shown below.



- Scrolling from **10.0°** to **20.0°** is in units of 0.5°.
- 1:30**: 90 minutes after Maghrib
- 1:30 2:00**: 90 minutes after Maghrib/120 minutes (during Ramadan only)

9. When the ISHA setting is the way you want, press **(C)**.
- This will display the [ASR] setting screen.

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10. Use **(D)** and **(B)** to select **ASR1 (STANDARD)** or **ASR2 (HANAFI)** for the [ASR] setting.

ASR1(STANDARD): Sun position when the length of the shadow of an object is equal to the length of its shadow at noon plus the length of the object

ASR2(HANAFI): Sun position when the length of the shadow of an object is equal to the length of its shadow at noon plus twice the length of the object

11. After the settings are the way you want, press **(A)**.

- This returns to the Timekeeping Mode.
- If you next want to set the date offset for the Hijri calendar, press **(C)** (page E-27).

- Pressing **(D)** and **(B)** at the same time while the setting screen is displayed will return the prayer time calculation method to its initial default settings, except for the Hijri date offset. After that, you can configure settings from step 4 of this procedure. For information about initial default settings, see the "City Data Table" at the back of this manual.

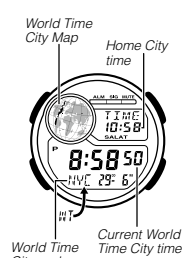
E-43

Prayer Time Precautions

- When you move from one region to another, be sure that you correctly configure Timekeeping Mode settings (city code, prayer time calculation method, and current time) for the region you are moving into. Remember that if you fail to configure these settings correctly, prayer times cannot be calculated and displayed properly.

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World Time



World Time shows the current time in 70 cities (31 time zones) around the world. You can also configure three additional cities (**T-1**, **T-2**, **T-3**), if you want.

- All of the operations in this section are performed in the World Time Mode, which you enter by pressing **(C)** (page E-11).

To view the time for another city code

In the World Time Mode, press **(D)** to scroll eastwardly through city codes.

- For full information about city codes, see the "City Data Table" at the back of this manual.
- If the current time for a city is wrong, check your Timekeeping Mode time and time zone settings and make the necessary changes.

E-45

To toggle a city code time between Standard Time and Daylight Saving Time



DST indicator

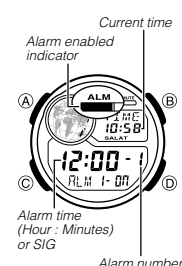
1. In the World Time Mode, use **(D)** (east) to display the city code (time zone) whose Standard Time/Daylight Saving Time setting you want to change.

2. Hold down **(A)** for about two seconds to toggle Daylight Saving Time (**DST** displayed) and Standard Time (**DST** not displayed).

- The **DST** indicator is on the display whenever you display a city code for which Daylight Saving Time is in effect.
- Note that the DST/Standard Time setting affects only the currently displayed city code. Other city codes are not affected.

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Using the Alarm



Your watch has a total of five alarms, each of which you can configure as a daily alarm or one-time alarm.

- Daily Alarm: Sounds at the preset time each day.
- One-time Alarm: Sounds once at the preset time and then is disabled automatically.

You can also enable an Hourly Time Signal that causes the watch to beep every hour on the hour.

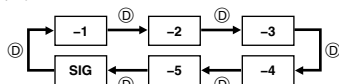
- All of the operations in this section are performed in the Alarm Mode, which you enter by pressing **(C)** (page E-11).
- Alarms operate in coordination with the current Home City Time.

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To set an alarm time



1. In the Alarm Mode, use **(D)** to scroll through the alarm screens until the alarm number you want to set is displayed.



2. Hold down **(A)** until the flashing **Hold SET** indicator disappears from the display and the alarm time hour digits start to flash, which indicates the setting screen. Release **(A)** after the digits start to flash.

- This operation enables the One-time Alarm automatically.
- If you want to use the Daily Alarm, refer to "To enable or disable a timekeeping alarm" (page E-50) after performing step 5.

3. Press **(C)** to move the flashing between the hour and minute settings.

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- The selected digits are those that are flashing.

4. While a setting is flashing, use **(D)** (+) and **(B)** (-) to change it.
- When setting the alarm time using the 12-hour format, take care to set the time correctly as a.m. (no indicator) or p.m. (**(P)** indicator).

5. Press **(A)** to exit the setting screen.

Alarm Operation

The alarm tone sounds at the preset time for 10 seconds, regardless of the mode the watch is in.

- Alarm and Hourly Time Signal operations are performed in accordance with the Timekeeping Mode time.
- To stop the alarm tone after it starts to sound, press any button.

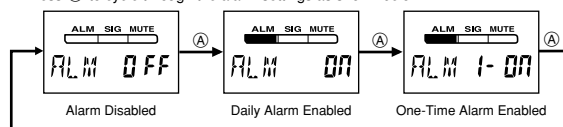
To test the alarm

In the Alarm Mode, hold down **(D)** to sound the alarm.

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To enable or disable a timekeeping alarm

- In the Alarm Mode, use (D) to select the alarm whose setting you want to change.
- Press (A) to cycle through the alarm settings as shown below.



- In all modes, the alarm enabled indicator is shown for the alarm that is currently enabled.
- The alarm enabled indicator flashes while the alarm is sounding.

E-50

To enable or disable the Hourly Time Signal

- In the Alarm Mode, use (D) to select the Hourly Time Signal.
- Press (A) to toggle it between enabled and disabled.



- The Hourly Time Signal enabled indicator is shown on the display in all modes while the Hourly Time Signal is enabled.

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Using the Stopwatch



The stopwatch lets you measure elapsed time, split times, and two finishes.

- The display range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.
- The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it.
- The stopwatch measurement operation continues even if you exit the Stopwatch Mode.
- Exiting the Stopwatch Mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement.
- All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing (C) (page E-11).

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To measure times with the stopwatch

Elapsed Time



Split Time

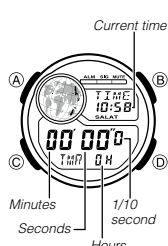


Two Finishes



E-53

Using the Countdown Timer



The countdown timer can be set within a range of one second to 24 hours. An alarm sounds when the countdown reaches zero.

- All of the operations in this section are performed in the Countdown Timer Mode, which you enter by pressing (C) (page E-11).

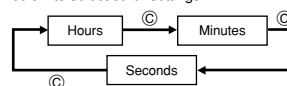
E-54

To configure the countdown timer



- While the countdown start time is on the display in the Countdown Timer Mode, hold down (A) until the flashing **Hold SET** indicator disappears, and the current countdown start time starts to flash. This indicates the setting screen.

- Press (C) to move the flashing in the sequence shown below to select other settings.



- When the setting you want to change is flashing, use (D) (+) and (B) (-) to change the flashing item.

- To specify a countdown start time of 24 hours, set 00'00'0H.

E-55

- Press (A) to exit the setting screen.

To use the countdown timer



Press (D) while in the Countdown Timer Mode to start the countdown timer.

- When the end of the countdown is reached, the alarm sounds for ten seconds or until you stop it by pressing any button. The countdown time is reset to its starting value automatically when the alarm sounds.
- Press (D) while a countdown operation is in progress to pause it. Press (D) again to resume the countdown.
- To stop a countdown operation completely, first pause it (by pressing (D)), and then press (A). This returns the countdown time to its starting value.

E-56

Illumination



An LED (light-emitting diode) illuminates the display for easy reading in the dark.

To illuminate the display

In any mode (except when a setting screen is on the display), press (B) to illuminate the display.

- When you press (B), the display will be illuminated for about 1.5 seconds or 3 seconds, depending on the current illumination duration setting.
- Perform the procedure under "Configuring Current Time and Date Settings" (page E-22) to change the illumination duration.

Illumination Precautions

- Illumination may be hard to see when viewed under direct sunlight.
- Illumination turns off automatically whenever an alarm sounds.
- Frequent use of illumination runs down the battery.

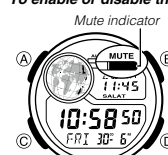
E-57

Button Operation Tone

The button operation tone sounds any time you press one of the watch's buttons. You can enable or disable the button operation tone as desired.

- Even if you disable the button operation tone, the alarm, Hourly Time Signal, and Countdown Timer Mode alarm all operate normally.
- Prayer alarm will sound even if the button operation tone is disabled.

To enable or disable the button operation tone



Perform the procedure under "Configuring Current Time and Date Settings" (page E-22) to toggle the button operation tone between enabled (the Mute indicator not displayed) and disabled (the Mute indicator displayed).

- The Mute indicator is displayed in all modes when the button operation tone is disabled.

E-58

Reference

Auto Display

Auto Display sequentially shows the prayer name and prayer time while the watch is in the Timekeeping Mode.

To disable Auto Display

Press any button to disable Auto Display. This returns to the Timekeeping Mode.

To enable Auto Display

In the Timekeeping Mode (page E-14), hold down (D) and (B) at the same time until the watch beeps.

Note

- Auto Display cannot be performed while a setting screen is on the display.
- The prayer alarm (page E-34) is automatically muted while Auto Display is enabled.

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Specifications

Accuracy at normal temperature: ±30 seconds a month

Timekeeping: Hour, minutes, seconds, p.m. (P), month, day, day of the week, Hijri month, Hijri day

Time format: 12-hour and 24-hour

Gregorian calendar system: Full Auto-calendar pre-programmed from the year 2000 to 2099

Hijri calendar: Based on the range of the Gregorian calendar; auto correction at end of each month

Other: Daylight Saving Time (summer time)/Standard Time; screen switching Gregorian or Hijri/Moon age; year/month/day display format

World Time: 70 cities (31 time zones); plus addition of desired 3 cities

Other: Standard Time/Daylight Saving Time (summer time)

Prayer Times: Gregorian 2000 through 2099; FAJR, SHRK, ZUHR, ASR, MGRB, ISHA (six time displays per day); prayer alarm; prayer elapsed time measurement (up to 30 minutes); prayer calculation method setting; display of next prayer time

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Moon Age: Display of Moon age values at noon for dates from Gregorian 2000 to 2099

Alarms: 5 daily alarms (daily or one-time), hourly time signal

Stopwatch:

Measuring unit: 1/100 second

Measuring capacity: 23:59' 59.99"

Measuring modes: Elapsed time, split time, two finishes

Countdown Timer:

Measuring unit: 1/10 second

Input range: 1 second to 24 hours (1-second increments, 1-minute increments and 1-hour increments)

Illumination: LED (Light-emitting diode); Selectable illumination duration (approximately 1.5 seconds or 3 seconds)

Other: Button operation tone enable/disable

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Battery: One lithium battery (Type: CR2032)

Approximately 7 years on type CR2032; Prayer Alarm: 5 times (10 seconds X 5)/day, 10 seconds of alarm operation, 1.5 seconds of illumination per day

Specifications are subject to change without notice.

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City Data Table

UTC Offset/ GMT Differential	City Code	City	Latitude (°) North Latitude +, South Latitude -	Longitude (°) East Longitude +, West Longitude -	FAJR/ISHA Prayer Calculation Method	ASR Prayer Calculation Method
0.0	CAS	Casablanca	33.6	-7.6	MWL	ASR1
0.0	RBA	Rabat	34.0	-6.8	MWL	ASR1
0.0	LON	London	51.5	-0.1	MWL	ASR1
1.0	PAR	Paris	48.9	2.4	MWL	ASR1
1.0	ALG	Algiers	36.8	3.0	EGY	ASR1
1.0	LOS	Lagos	6.5	3.4	EGY	ASR1
1.0	BNJ	Bonn	50.7	7.1	MWL	ASR1
1.0	ABV	Abuja	9.1	7.5	EGY	ASR1
1.0	FRA	Frankfurt	50.1	8.7	MWL	ASR1

L

UTC Offset/ GMT Differential	City Code	City	Latitude (°) North Latitude +, South Latitude -	Longitude (°) East Longitude +, West Longitude -	FAJR/ISHA Prayer Calculation Method	ASR Prayer Calculation Method
1.0	ROM	Rome	41.9	12.5	MWL	ASR1
1.0	BER	Berlin	52.5	13.4	MWL	ASR1
2.0	TIP	Tripoli	32.9	13.2	EGY	ASR1
2.0	CPT	Cape Town	-33.9	18.4	MWL	ASR1
2.0	IST	Istanbul	41.0	29.0	MWL	ASR1
2.0	CAI	Cairo	30.0	31.2	EGY	ASR1
2.0	KRT	Khartoum	15.5	32.6	EGY	ASR1
2.0	ANK	Ankara	39.9	32.9	MWL	ASR1
2.0	BEY	Beirut	33.9	35.5	MWL	ASR1
2.0	AMM	Amman	32.0	35.9	UQM	ASR1

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UTC Offset/ GMT Differential	City Code	City	Latitude (°) North Latitude +, South Latitude -	Longitude (°) East Longitude +, West Longitude -	FAJR/ISHA Prayer Calculation Method	ASR Prayer Calculation Method
2.0	DAM	Damascus	33.5	36.3	UQM	ASR1
3.0	MOW	Moscow	55.8	37.6	MWL	ASR1
3.0	ADD	Addis Ababa	9.0	38.7	MWL	ASR1
3.0	JED	Jeddah	21.5	39.2	UQM	ASR1
3.0	MED	Madinah	24.5	39.6	UQM	ASR1
3.0	SAH	Sanaa	15.4	44.2	UQM	ASR1
3.0	BGW	Baghdad	33.3	44.4	MWL	ASR1
3.0	RUH	Riyadh	24.7	46.7	UQM	ASR1
3.0	KWI	Kuwait	29.4	48.0	UQM	ASR1
3.0	BAH	Manama	26.2	50.6	UQM	ASR1

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UTC Offset/ GMT Differential	City Code	City	Latitude (°) North Latitude +, South Latitude -	Longitude (°) East Longitude +, West Longitude -	FAJR/ISHA Prayer Calculation Method	ASR Prayer Calculation Method
3.0	DOH	Doha	25.3	51.5	UQM	ASR1
3.5	THR	Tehran	35.7	51.4	MWL	ASR1
4.0	AUH	Abu Dhabi	24.5	54.4	UQM	ASR1
4.0	DXB	Dubai	25.2	55.3	UQM	ASR1
4.0	MCT	Muscat	23.6	58.5	UQM	ASR1
4.5	KBL	Kabul	34.5	69.2	KHI	ASR1
5.0	KHI	Karachi	24.9	67.0	KHI	ASR1
5.0	TAS	Tashkent	41.3	69.2	MWL	ASR1
5.5	BOM	Mumbai	19.1	72.9	KHI	ASR1
5.5	DEL	Delhi	28.6	77.2	KHI	ASR1

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UTC Offset/ GMT Differential	City Code	City	Latitude (°) North Latitude +, South Latitude -	Longitude (°) East Longitude +, West Longitude -	FAJR/ISHA Prayer Calculation Method	ASR Prayer Calculation Method
5.5	HYD	Hyderabad	17.4	78.5	KHI	ASR1
5.5	CCU	Kolkata	22.6	88.4	KHI	ASR1
5.75	KTM	Kathmandu	27.7	85.3	MWL	ASR1
6.0	DAC	Dhaka	23.8	90.4	KHI	ASR1
6.5	RGK	Yangon	16.9	96.2	MWL	ASR1
7.0	BKK	Bangkok	13.8	100.5	MWL	ASR1
7.0	JKT	Jakarta	-6.2	106.8	MWL	ASR1
7.0	SUB	Surabaya	-7.3	112.8	MWL	ASR1
8.0	KUL	Kuala Lumpur	3.1	101.7	MWL	ASR1
8.0	SIN	Singapore	1.3	103.9	MWL	ASR1

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UTC Offset/ GMT Differential	City Code	City	Latitude (°) North Latitude +, South Latitude -	Longitude (°) East Longitude +, West Longitude -	FAJR/ISHA Prayer Calculation Method	ASR Prayer Calculation Method
8.0	HKG	Hong Kong	22.3	114.2	MWL	ASR1
8.0	BJS	Beijing	39.9	116.4	MWL	ASR1
9.0	TYO	Tokyo	35.7	139.7	MWL	ASR1
9.5	ADL	Adelaide	-34.9	138.6	MWL	ASR1
10.0	SYD	Sydney	-33.9	151.2	MWL	ASR1
11.0	NOU	Noumea	-22.3	166.5	MWL	ASR1
12.0	WLG	Wellington	-41.3	174.8	MWL	ASR1
3.0	T-1	CUSTOM1 (Makkah)*	21.4	39.8	UQM	ASR1
3.0	T-2	CUSTOM2 (Makkah)*	21.4	39.8	UQM	ASR1

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UTC Offset/ GMT Differential	City Code	City	Latitude (°) North Latitude +, South Latitude –	Longitude (°) East Longitude +, West Longitude –	FAJR/ISHA Prayer Calculation Method	ASR Prayer Calculation Method
3.0	T-3	CUSTOM3 (Makkah)*	21.4	39.8	UQM	ASR1
–11.0	PPG	Pago Pago	–14.3	–170.7	INA	ASR1
–10.0	HNL	Honolulu	21.3	–157.9	INA	ASR1
–9.0	ANC	Anchorage	61.2	–149.9	INA	ASR1
–8.0	LAX	Los Angeles	34.1	–118.2	INA	ASR1
–7.0	DEN	Denver	39.7	–105.0	INA	ASR1
–6.0	MEX	Mexico City	19.4	–99.1	MWL	ASR1
–6.0	DFW	Dallas	32.8	–96.8	INA	ASR1
–6.0	CHI	Chicago	41.9	–87.6	INA	ASR1
–5.0	NYC	New York	40.7	–74.0	INA	ASR1

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UTC Offset/ GMT Differential	City Code	City	Latitude (°) North Latitude +, South Latitude –	Longitude (°) East Longitude +, West Longitude –	FAJR/ISHA Prayer Calculation Method	ASR Prayer Calculation Method
–4.0	YHZ	Halifax	44.6	–63.6	INA	ASR1
–3.5	YYT	St. John's	47.6	–52.7	INA	ASR1
–3.0	RIO	Rio De Janeiro	–22.9	–43.2	MWL	ASR1
–2.0	FEN	Fernando de Noronha	–3.8	–32.4	MWL	ASR1
–1.0	RAI	Praia	14.9	–23.5	MWL	ASR1

* The initial default latitude and longitude settings for CUSTOM city codes are those for Makkah.
UTC Offset/GMT Differential: Based on data as of May 2016

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