

Manual abstract:

About This Manual Hour hand Minute hand · Button operations are indicated using the letters shown in the illustration. · Most of the display examples in this manual show only the digital display, without the analog hands. · Each section of this manual provides you with the information you need to perform operations in each mode. Further details and technical information can be found in the "Reference" section. If the digital display of the watch is blank... If the Power Saving on indicator is flashing on the display, it means that the Power Saving function has turned off the display to conserve power. Power Saving automatically turns off the display and enters a sleep state whenever the watch is left for a certain period where it is dark. · The initial factory default setting is Power Saving on.

· The watch will recover from the sleep state if you move it to a well-lit area,* if you press any button, or if you angle the watch towards your face for reading. up to two seconds for the display * It can take Saving" for more information. to turn on. · See "Power Digital display Digital display Power saving on indicator General Guide · Press C to change from mode to mode. · In any mode, press B to illuminate the face of the watch.

· The Battery Level Screen shows the current battery level. See "Battery Power Levels" for more information. Battery Level Screen Timekeeping Mode Press C. World Time Mode Alarm Mode NYC Hand Setting Mode Stopwatch Mode WED STW Timekeeping Use the Timekeeping Mode to set and view the current time and date. · In the Timekeeping Mode, press A to cycle through the digital time screens as shown below.

Date 2 seconds Seconds Press A. PM indicator Time 5. Press A to exit the setting screen. · When you exit the setting screen, the analog hands are adjusted automatically to match the digital time. See "Analog Timekeeping" for more information. · See "Daylight Saving Time (DST)" for details about the DST setting. · For information about specifying how long the face of the watch remains illuminated, see "To specify the illumination duration". · For details about configuring settings for the Power Saving feature, see "Power Saving". Hour : Minutes Daylight Saving Time (DST) Daylight Saving Time (summer time) advances the time setting by one hour from Standard Time. Remember that not all countries or even local areas use Daylight Saving Time.

Month. Day Day of week Setting the Digital Time and Date This watch is preset with a number of city codes, each of which represents the time zone where that city is located. When setting the digital time, it is important that you select the correct city code for your Home City (the city where you normally use the watch). If your location is not included in the preset city codes, select the preset city code that is in the same time zone as your location. · Note that all of the times for the World Time Mode city codes are displayed in accordance with the digital time and date settings you configure in the Timekeeping Mode. To toggle the Timekeeping Mode digital time between DST and Standard Time 1. In the Timekeeping Mode, hold down A until the city code starts to flash, which indicates the setting screen. 2. Press C once and the DST setting screen appears. 3.

Press D to toggle between Daylight Saving Time (ON displayed) and Standard Time (OFF displayed). ll 4. Press A to exit the setting screen. · The DST indicator appears on the display to indicate that Daylight Saving Time is turned on. llll Analog Timekeeping To set the digital time and date 1. In the Timekeeping Mode, hold down A until the city code starts to flash, which indicates the setting screen. 2. Press D to select the city code you want. · Make sure you select your Home City code before llll ll changing any other setting. · See "City Code Table" for a complete list of available city codes.

The analog time of this watch is synchronized with the digital time. The analog time setting is adjusted automatically whenever you change the digital time. Note · The hands for the analog timepiece move to adjust to a new setting whenever any of the following occurs. When you change the digital time setting When you change the Home City code and/or DST setting · If the analog time does not match the digital time for some reason, use the procedure below to adjust the analog time to the digital time. · Whenever you need to adjust both the digital and the analog time settings manually, make sure you adjust the digital setting first. · Depending on how much the hands have to move in order to adjust to the digital time, it may take some time before they stop moving. ll 3. Press C to move the flashing in the sequence shown below to select other settings. City Code Power Saving DST Day 12/24-Hour Format Month Seconds Year Hour Minutes To adjust the analog time 1. In the Timekeeping Mode, press C five times to enter the Hand Setting Mode.

2. Hold down A until the current digital time starts to flash, which indicates the analog time setting screen. 3. Press D to advance the analog time setting by 20 seconds. · Holding down D advances the analog time setting at high speed. 4. When the setting you want to change is flashing, use D to change it as described below. · The following steps explain how to configure timekeeping settings only. Screen To do this: Do this: Change the city code Press D (east). Toggle between 12-hour (12H) and Press D.

24-hour (24H) timekeeping Reset the seconds to 00 Press D. Change the hour or minutes Change the year Change the month or day Press D(to increase). · If you need to advance the analog time setting a long way, hold down D until the time starts advancing at high speed, and then press B. This locks the high-speed hand movement, so you can release the two buttons. High-speed hand movement continues until you press any button.

It will also stop automatically after the time advances 12 hours or if an alarm starts to sound. 4. Press A to exit the setting screen. · The minute hand will be adjusted slightly to match the seconds when you exit the setting screen. · To return to the Timekeeping Mode, press C.

llll Toggle between Daylight Saving Time Press D. (ON) and Standard Time (OFF) llll lllll lllll llll ll l ll ll llll 1 Operation Guide 3357 World Time City code Stopwatch World Time digitally displays the current time in 30 cities (29 time zones) around the world. · For full information on city codes, see the "City Code Table". · All of the operations in this section are performed in the World Time Mode, which you enter by pressing C. STW NYC Minutes Current time in the zone of the selected city code Seconds The stopwatch lets you measure elapsed time, split times, and two finishes.



[You're reading an excerpt. Click here to read official CASIO G-SHOCK TOUGH SOLAR GW-1401-2 user guide](http://yourpdfguides.com/dref/526088)
<http://yourpdfguides.com/dref/526088>

· The display range of the stopwatch is 59 minutes, 59.99 seconds. · The stopwatch continues to run, restarting from zero after it reaches its limit, until you stop it. · Exiting the Stopwatch Mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement. · The elapsed time measurement operation continues even if you exit the Stopwatch Mode.

· All of the operations in this section are performed in the Stopwatch Mode, which you enter by pressing C. To view the time in another city In the World Time Mode, press D to scroll eastwardly through city codes (time zones). · The city code is displayed for about two seconds, and then it is replaced with the current time for that city code. Pressing A while the time is displayed in the World Time Mode causes the city code of the currently selected zone to appear. · When the currently selected time zone is one that includes mostly ocean, a value indicating the zone's Greenwich Mean Time differential appears in place of a city code.

· If the current time shown for a city is wrong, check your Home City time settings and make the necessary changes. To toggle a city code time between Standard Time and Daylight Saving Time 1. In the World Time Mode, use D to display the city code (time zone) whose Standard Time/Daylight Saving DST indicator Time setting you want to change. 2. Hold down A to toggle between Daylight Saving Time (DST indicator displayed) and Standard Time (DST indicator not displayed).

· The DST indicator appears on the display whenever you display a city code for which Daylight Saving Time is turned on. · You cannot toggle between Daylight Saving Time and Standard Time if the displayed city code is GMT or the city code that is currently selected as the Home City in the Timekeeping Mode. To change the DST setting of your Home City, use the procedure under "To toggle the Timekeeping Mode digital time between DST and Standard Time". · Note that the DST/Standard Time setting affects only the currently displayed city code. Other city codes are not affected.

To measure times with the stopwatch Elapsed Time D Start D Stop 1 D Re-start D Stop 1 A Clear display alternates *1 When elapsed time measurement is stopped, the screen at 2-second intervals between a minute and seconds screen, and 1/100 second intervals. Minutes' Seconds 1/100 second A Split release A Clear * * Split Time D Start A Split 2 alternately through the *2 Split times are displayed by cycling a 1/100 second screen. split indicator (SPL), a minute and seconds screen, and III * D Stop 1 * II II II II III Two Finishes D Start A Split 2 First runner finishes. Display time of first runner. * D Split stop 3 Second runner finishes.

the the same *3 When a split time operation is stopped, case, display cycles through symbol (values as those described in *2 above. @@@@ When the alarm is off, qmOw (alarm off) remains on the alarm screen. @@@@ In the Alarm Mode, press D to display the alarm screen. 2. @@ · This operation automatically turns on the alarm. 3. Press C to move the flashing between the hour and minute settings. 4. While a setting is flashing, use D (+) and B (-) to change it. @@ (no indicator) or p.

m. (P indicator). 5. @@ · The above operation turns on illumination regardless of the current auto light switch setting. About the Auto Light Switch Turning on the auto light switch caudrops when any part of the solar cell is blocked by clothing, etc. @@@@ Use of the wrong type of battery can damage the watch. @@@@ This helps to keep the rechargeable battery from going dead. Battery Power Levels The digital display show you the current level of the rechargeable battery's power. (high) or (medium) is · All of the watch's functions are available when indicated on the Battery Level Screen. Level 1 2 3 III (Charge soon alert) I III · Level 1 and Level 2 are indicated on the Battery Level Screen only.

Level 3 and Level 4 are indicated in all modes. · The flashing charge indicator at Level 3 tells you that battery power is very low, and that exposure to bright light for charging is required as soon as possible. · When the battery level approaches Level 3, the analog hands move automatically to the 12 o'clock position. Charge the battery as soon as possible when this happens. All of the digital screen indicators flash while the analog hands are in motion.

· At Level 4, all functions are disabled and settings return to their initial factory defaults. Functions are enabled once again after the rechargeable battery is charged, but you need to set the digital time and date, after the battery reaches Level 3 from Level 4. You will not be able to set any of the other settings until the battery reaches Level 2 after dropping to Level 4. · Display indicators reappear as soon as the battery is charged from Level 4 to Level 3. · If the analog time and digital time do not match after the watch recovers to Level 2 from Level 3 or Level 4 , adjust the analog hand setting so it matches the digital time.

· Leaving the watch exposed to direct sunlight or some other very strong light source can cause the digital display to temporarily show a reading that is higher than the actual battery level. The correct battery level should be indicated after a few minutes. Recover Indicator If you use illumination or alarms a number of times during a short period, the recover indicator (R) appears on the display and the following operations become disabled until battery power recovers. Illumination; Beeper tone; Coordination between digital and analog timekeeping After some time, battery power will recover and the recover indicator will disappear, indicating that the above functions are enabled again. III II I Recover indicator · If the battery drops to Level 3 while the recover indicator is on the display, the Battery Level Screen will indicate . Charge the battery as soon as possible. · If the recover indicator appears frequently, it probably means that remaining battery power is low. Leave the watch in bright light to allow it to charge. Auto Return Features Charging Precautions Certain charging conditions can cause the watch to become very hot. Avoid leaving the watch in the areas described below whenever charging its rechargeable battery.

Also note that allowing the watch to become very hot can cause its liquid crystal display to black out. The appearance of the LCD should become normal again when the watch returns to a lower temperature. · The watch automatically returns to the Timekeeping Mode if you do not perform any button operation for two or three minutes while the Battery Level Screen is displayed, or while in the Alarm, or Hand Setting Mode. · If you leave a screen with flashing digits on the display for two or three minutes without performing any operation, the watch automatically exits the setting screen.



[You're reading an excerpt. Click here to read official CASIO G-SHOCK TOUGH SOLAR GW-1401-2 user guide](http://yourpdfguides.com/dref/526088)
<http://yourpdfguides.com/dref/526088>

Scrolling The B and D buttons are used in various modes and setting screens 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. || | | | | || |||| | | Charging Guide After a full charge, timekeeping remains enabled for up to about 15 months. · The following table shows the amount of time the watch needs to be exposed to light each day in order to generate enough power for normal daily operations. Exposure Level (Brightness) Outdoor Sunlight (50,000 lux) Sunlight Through a Window (10,000 lux) Daylight Through a Window on a Cloudy Day (5,000 lux) Indoor Fluorescent Lighting (500 lux) Approximate Exposure Time 7 minutes 24 minutes 39 minutes 7 hours · Since these are the specs, we can include all the technical details. · Watch is not exposed to light · Internal timekeeping · Display on 18 hours per day, sleep state 6 hours per day · 1 light operation (1.

5 seconds) per day · 10 seconds of alarm operation per day · Stable operation is promoted by frequent charging. Recovery Times The table below shows the amount exposure that is required to take the battery from one level to the next. Exposure Level (Brightness) Approximate Exposure Time Level 4 Level 3 Level 2 Level 1 Outdoor Sunlight (50,000 lux) Sunlight Through a Window (10,000 lux) Daylight Through a Window on a Cloudy Day (5,000 lux) Indoor Fluorescent Lighting (500 lux) 3 hours 9 hours 14 hours 169 hours 54 hours 203 hours 328 hours 15 hours 56 hours 90 hours · The above exposure time values are all for reference only. Actual required exposure times depend on lighting conditions. Reference This section contains more detailed and technical information about watch operation.

It also contains important precautions and notes about the various features and functions of this watch. Digital Display Function Status All functions enabled. All functions enabled. Except for internal timekeeping and the charge indicator, all functions and display indicators are disabled. All functions disabled.

Power Saving When turned on, Power Saving automatically enters a sleep state whenever the watch is left for a certain period in an area where it is dark. The table below shows how watch functions are affected by Power Saving. · There are actually two sleep state levels: "display sleep" and "function sleep".

Elapsed Time in Dark 60 to 70 minutes (Display Sleep) 6 or 7 days (Function Sleep) Operation Digital display off, but all functions are enabled and the power saving on indicator flashes on the display · Digital display off, but the power saving on indicator flashes on the display · All functions, including analog timekeeping, disabled · Internal timekeeping maintained || Charge indicator | | | | 4 · Wearing the watch inside your sleeve can cause it to enter the sleep state.

· The watch will not enter the sleep state while the digital time is between 6:00 AM and 9:59 PM. If the watch is already in the sleep state when the digital time reaches 6:00 AM, however, it will remain in the sleep state. · The analog hands move to the 12 o'clock position when the watch enters the function sleep state. If the analog time and digital time do not match after the watch recovers from the function sleep state, adjust the analog hand setting so it matches the digital time. · The watch will not enter the sleep state while it is in the Stopwatch Mode. To recover from the sleep state Perform any one of the following operations.

· Move the watch to a well-lit area. It can take up to two seconds for the display to turn on. · Press any button. · Angle the watch towards your face for reading. To turn Power Saving on and off 1. In the Timekeeping Mode, hold down A until the city Power saving code starts to flash, which indicates the setting screen. on indicator 2. Press C nine times until the Power Saving on/off screen appears. 3. Press D to toggle Power Saving on (jsOo) and off (jsOw).

4. Press A to exit the setting screen. || | | | | · The Power Saving on indicator is on the display in all modes while Power Saving is turned on. | | | | | | 3 Operation Guide 3357 Initial Screens When you enter the Timekeeping, World Time, or Alarm Mode, the data you were viewing when you last exited the mode appears first. · Resetting the seconds to 00 while the current count is in the range of 30 to 59 causes the minutes to be increased by 1.

@@ · The year can be set in the range of 2000 to 2099. @@@@ · The current time for all city codes in the Timekeeping Mode and World Time Mode is calculated in accordance with the Greenwich Mean Time (GMT) differential for each city, based on your Home City time setting. · GMT differential is calculated by this watch based on Universal Time Coordinated (UTC*) data. UTC is the world-wide scientific standard of timekeeping. It upon carefully * maintained atomic (cesium) clocks that keep time accurately is based microseconds.

to within Leap seconds are added or subtracted as necessary to keep UTC in sync with the Earth's rotation. The reference point for UTC is Greenwich, England. 12-hour/24-hour Timekeeping Formats The 12-hour/24-hour timekeeping format you select in the Timekeeping Mode is also applied in all other modes. · With the 12-hour format, the P (PM) indicator appears on the display for times in the range of noon to 11:59 p.m. and no indicator appears 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. Timekeeping

Illumination Precautions · The illumination provided by the light may be hard to see when viewed under direct sunlight. · Illumination automatically turns off whenever an alarm sounds.

· Frequent use of illumination shortens the battery operating time. Auto light switch precautions · Wearing the watch on the inside of your wrist, movement of your arm, or vibration of your arm can cause frequent activation of the auto light switch and illumination of the face of the watch. To avoid running down the battery, turn off the auto light switch whenever engaging in activities that might cause frequent illumination of the face. · Note that wearing the watch under your sleeve while the auto light switch is turned on can cause frequent illumination of the face and can run down the battery. More than 15 degrees too high · Illumination may not turn on if the face of the watch is more than 15 degrees above or below parallel. Make sure that the back of your hand is parallel to the ground. · Illumination turns off after the preset illumination duration (see "To specify the illumination duration"), even if you keep the watch pointed towards your face.



[You're reading an excerpt. Click here to read official CASIO G-SHOCK TOUGH SOLAR GW-1401-2 user guide](http://yourpdfguides.com/dref/526088)
<http://yourpdfguides.com/dref/526088>

· Static electricity or magnetic force can interfere with proper operation of the auto light switch. If illumination does not turn on, try moving the watch back to the starting position (parallel with the ground) and then tilt it back towards your face again. If this does not work, drop your arm all the way down so it hangs at your side, and then bring it back up again.

· Under certain conditions, illumination may not turn on until about one second after you turn the face of the watch towards you. This does not necessarily indicate malfunction of the auto light switch. · You may notice a very faint clicking sound coming from the watch when it is shaken back and forth. This sound is caused by mechanical operation of the auto light switch, and does not indicate a problem with the watch. City Code Table City Code 11 HNL ANC LAX DEN CHI NYC CCS RIO 02 01 GMT LON PAR BER ATH CAI JRS JED THR DXB KBL KHI DEL DAC RGN BKK HKG SEL TYO ADL SYD NOU WLG City Honolulu Anchorage Los Angeles Denver Chicago New York Caracas Rio De Janeiro GMT Differential 11.

0 10.0 09.0 08.0 07.0 06.

0 05.0 04.0 03.0 02.0 01.0 +00.0 +01.0 +02.0 +03.0 +03.

5 +04.0 +04.5 +05.0 +05.5 +06.0 +06.5 +07.0 +08.0 +09.0 +09.

5 +10.0 +11.0 +12.0 Other major cities in same time zone Pago Pago Papeete Nome San Francisco, Las Vegas, Vancouver, Seattle/Tacoma, Dawson City, Tijuana El Paso, Edmonton, Culiacan Houston, Dallas/Fort Worth, New Orleans, Mexico City, Winnipeg Montreal, Detroit, Miami, Boston, Panama City, Havana, Lima, Bogota La Paz, Santiago, Port of Spain Sao Paulo, Buenos Aires, Brasilia, Montevideo Praia Dublin, Lisbon, Casablanca, Dakar, Abidjan Milan, Rome, Madrid, Amsterdam, Algiers, Hamburg, Frankfurt, Vienna, Stockholm Helsinki, Istanbul, Beirut, Damascus, Cape Town Kuwait, Riyadh, Aden, Addis Ababa, Nairobi, Moscow Shiraz Abu Dhabi, Muscat Male Mumbai, Kolkata Colombo Jakarta, Phnom Penh, Hanoi, Vientiane Singapore, Kuala Lumpur, Beijing, Taipei, Manila, Perth, Ulaanbaatar Pyongyang Darwin Melbourne, Guam, Rabaul Port Vila Christchurch, Nadi, Nauru Island London Paris Berlin Athens Cairo Jerusalem Jeddah Tehran Dubai Kabul Karachi Delhi Dhaka Yangon Bangkok Hong Kong Seoul Tokyo Adelaide Sydney Noumea Wellington · Based on data as of December 2003. 4 .



[You're reading an excerpt. Click here to read official CASIO G-SHOCK TOUGH SOLAR GW-1401-2 user guide](#)

<http://yourpdfguides.com/dref/526088>