Casio GA-110

Casio G-Shock GA-110 Watch Instruction Manual

Comprehensive guide for your Casio G-Shock GA-110 timepiece.

INTRODUCTION

Thank you for choosing the Casio G-Shock GA-110 watch. This manual provides essential information regarding the setup, operation, and maintenance of your new timepiece. Designed for durability and precision, the GA-110 offers a range of features including world time, stopwatch, countdown timer, and multiple alarms, all housed in a robust, water-resistant casing.

Please read this manual carefully to ensure proper use and to maximize the lifespan of your watch. Keep this manual for future reference.

WATCH OVERVIEW

Figure 1: The Casio G-Shock GA-110 watch worn on a wrist. This image provides a real-world perspective of the watch's size and appearance, featuring its black resin construction and white dial.

The Casio G-Shock GA-110 features a combination analog and digital display. It is equipped with four buttons for various operations:

- **ADJUST (Top Left):** Used to enter and exit setting modes, and to confirm settings.
- **MODE (Bottom Left):** Cycles through different modes (Timekeeping, World Time, Stopwatch, Countdown Timer, Alarm).
- **REVERSE (Top Right):** Used to scroll backward through settings or increase values.
- **FORWARD (Bottom Right):** Used to scroll forward through settings or decrease values.

Figure 2: Detailed front view of the Casio G-Shock GA-110 watch. This image displays the watch's overall design, highlighting the black resin band and case, and the distinctive white analog-digital dial with multiple sub-dials and digital displays.

Figure 3: Side view of the Casio G-Shock GA-110 watch. This image illustrates the robust casing and the placement of the ADJUST and MODE buttons on the left side of the watch.

Figure 4: Opposite side view of the Casio G-Shock GA-110 watch. This image shows the placement of the REVERSE and FORWARD buttons on the right side of the watch, along with the textured grip.

Setup

1. Initial Time Setting

1. In the Timekeeping Mode, hold down the **ADJUST** button until the city code starts to flash. This indicates the setting mode.
2. Use the **REVERSE** and **FORWARD** buttons to select your desired Home City code.
3. Press the **MODE** button to cycle through the settings: City Code → DST (Daylight Saving Time) → 12/24-hour format → Seconds → Hour → Minute → Year → Month → Day → Illumination Duration.
4. Use the **REVERSE** and **FORWARD** buttons to change the flashing value.
5. After setting all values, press the **ADJUST** button to exit the setting mode.

2. Analog Hand Adjustment

If the analog hands do not match the digital time, you may need to adjust them manually.

1. In Timekeeping Mode, hold down the **ADJUST** button until the city code flashes.
2. Press the **MODE** button repeatedly until "H.SET" appears on the digital display.
3. Use the **REVERSE** and **FORWARD** buttons to move the analog hands to the 12 o'clock position.
4. Press the **ADJUST** button to confirm and exit. The hands will automatically move to match the digital time.

3. Battery Information

The watch is powered by one LR44 battery, which is included and pre-installed. The battery life varies depending on usage of features like the backlight and alarms. When the display becomes dim or functions become erratic, it may be time for a battery replacement. Refer to the Maintenance section for more details.

Operating the Watch

1. Mode Navigation

Press the **MODE** button to cycle through the different modes in the following order:
Timekeeping Mode → World Time Mode → Stopwatch Mode → Countdown Timer Mode → Alarm Mode

2. Timekeeping Mode

This is the default mode, displaying the current time and date. You can switch between 12-hour and 24-hour formats by pressing the **FORWARD** button in Timekeeping Mode (when not in setting mode).

3. World Time Mode

In World Time Mode, use the **REVERSE** and **FORWARD** buttons to view the current time in 48 cities (29 time zones) around the world. Press the **ADJUST** button to toggle Daylight Saving Time (DST) on or off for the currently displayed city.

4. Stopwatch Mode

The stopwatch measures elapsed time, split times, and two finishes. The measuring capacity is 1/1000 second for the first hour, then 1/10 second for up to 100 hours.

- Press **FORWARD** to start/stop the stopwatch.
- Press **REVERSE** to reset the stopwatch to zero while it is stopped.
- During measurement, press **REVERSE** to record a split time. Press **REVERSE** again to release the split and continue measurement.

5. Countdown Timer Mode

The countdown timer can be set from 1 minute to 24 hours. An alarm sounds when the countdown reaches zero.

1. In Countdown Timer Mode, hold down the **ADJUST** button until the current countdown start time flashes.
2. Use the **MODE** button to move the flashing between hours and minutes.
3. Use the **REVERSE** and **FORWARD** buttons to change the flashing value.
4. Press **ADJUST** to exit the setting mode.
5. Press **FORWARD** to start or stop the countdown.
6. Press **REVERSE** to reset the countdown to its start time while it is stopped.

6. Alarm Mode

The watch has 5 daily alarms (AL1 to AL4, and SNZ for snooze alarm) and an hourly time signal (SIG).

1. In Alarm Mode, use the **REVERSE** and **FORWARD** buttons to scroll through the alarms (AL1, AL2, AL3, AL4, SNZ, SIG).
2. To set an alarm, hold down the **ADJUST** button when the desired alarm (e.g., AL1) is displayed. The hour setting will flash.
3. Use the **MODE** button to move the flashing between hours and minutes.
4. Use the **REVERSE** and **FORWARD** buttons to change the flashing value.
5. Press **ADJUST** to exit the setting mode.
6. Press **FORWARD** to toggle the alarm (and SIG) on or off. An indicator will appear on the display when an alarm or the hourly time signal is active.

7. Illumination (LED Light)

Press the **REVERSE** button in any mode (except when setting) to illuminate the display. The illumination duration can be set in Timekeeping Mode settings (refer to Initial Time Setting, step 3).

MAINTENANCE

1. Cleaning the Watch

- Wipe the watch regularly with a soft, dry cloth to remove dirt and moisture.
- For resin bands and cases, a mild soap solution and a soft brush can be used, followed by rinsing with clean water and thorough drying.
- Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the watch's materials.

2. Water Resistance

The GA-110 is water-resistant to 200 meters (20 BAR). This means it is suitable for showering, swimming, and diving. However, please observe the following precautions:

- Do not operate the buttons while the watch is wet or submerged.
- Avoid exposing the watch to hot water or steam (e.g., hot showers, saunas), as this can compromise the water resistance seals.
- If the watch is exposed to saltwater, rinse it thoroughly with fresh water and dry it completely.
- Have the water resistance seals checked periodically (e.g., every 2-3 years) by an authorized service center, especially after battery replacement.

3. Battery Replacement

The watch uses one LR44 battery. When the battery runs low, the display may dim or functions may become unreliable. Battery replacement should ideally be performed by an authorized Casio service center or a qualified

watch technician to ensure proper sealing and maintain water resistance. Attempting to replace the battery yourself may void the warranty and compromise the watch's water resistance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Analog hands do not match digital time.	Hands are misaligned.	Perform analog hand adjustment (refer to Setup section).
Digital display is dim or blank.	Low battery.	Replace the battery (refer to Maintenance section).
Buttons do not respond.	Watch may be in a frozen state or battery is very low.	Try pressing all four buttons simultaneously for a few seconds to reset. If unresponsive, replace battery.
Time is incorrect.	Incorrect city code, DST setting, or manual adjustment error.	Re-set the Home City, DST, and time settings (refer to Setup section).
Water inside the watch or fogging.	Compromised water resistance due to impact, aging seals, or button operation underwater.	Immediately take the watch to an authorized Casio service center for inspection and repair. Do not attempt to dry it yourself.

SPECIFICATIONS

- **Model Number:** GA-110
- **Case/Band Material:** Resin
- **Crystal:** Mineral Glass
- **Display:** Analog-Digital
- **Movement:** Quartz
- **Water Resistance:** 200 Meters (20 BAR)
- **Battery:** 1 x LR44 (included)
- **Battery Life:** Approximately 2 years (varies with usage of power-intensive functions)
- **Accuracy:** ±15 seconds per month (without time signal calibration)
- **Watch Dimensions (H×W×D):** Approximately 55 × 51.2 × 16.9 mm
- **Watch Weight:** Approximately 72 grams
- **Functions:** World Time (48 cities + UTC), 1/1000-second Stopwatch, Countdown Timer, 5 Daily Alarms (1 Snooze Alarm), Hourly Time Signal, Full Auto-calendar, 12/24-hour format, LED light with Afterglow.

Note: Product package dimensions and weight (e.g., 5 x 4.5 x 3.25 inches; 5.6 ounces) refer to the shipping package, not the watch itself.

WARRANTY INFORMATION

Your Casio G-Shock GA-110 watch comes with a **Limited Warranty**. The terms and duration of the warranty may vary by region and retailer. Please refer to the warranty card included with your purchase or visit the official Casio website for detailed information regarding warranty coverage, terms, and conditions.
Keep your proof of purchase (receipt) as it will be required for any warranty claims.

CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please contact Casio customer support through their official website or the contact information provided in your warranty documentation. You can typically find support resources, FAQs, and service center locations on the official Casio website:

Visit Casio Support Website