G-Shock GGB100-1B

G-Shock GGB100-1B Mudmaster Watch Instruction Manual

Model: GGB100-1B

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your G-Shock GGB100-1B Mudmaster watch. Designed for durability and functionality in challenging environments, this timepiece features a Carbon Core Guard structure, mud resistance, and Quad Sensor capabilities. Please read this manual thoroughly to ensure optimal performance and longevity of your watch.

Figure 1.1: G-Shock GGB100-1B Mudmaster Watch. This image displays the watch's robust design and analog-digital display.

2. Safety Precautions

- Do not attempt to open the watch case or replace the battery yourself, as this may compromise water and mud resistance.
- Avoid exposing the watch to extreme temperatures (above 60°C or below -10°C) or direct sunlight for prolonged periods.
- Keep the watch away from strong magnetic fields, which can affect timekeeping accuracy.
- Clean the watch regularly to prevent dirt buildup, especially after exposure to mud or saltwater.
- Ensure all buttons are fully pressed and released when operating the watch underwater to maintain water resistance.

3. Initial Setup

3.1 Time Setting and Bluetooth Connection

Your GGB100-1B watch can be set manually or automatically via Bluetooth connection to the G-Shock Connected app on your smartphone. For the most accurate timekeeping and access to advanced features, it is recommended to connect the watch to the app.

1. Download the "G-Shock Connected" app from your smartphone's app store.
2. Enable Bluetooth on your smartphone.
3. On the watch, press and hold the **CONNECT** button (usually top-left) for approximately two seconds until the Bluetooth icon appears and flashes.
4. Open the G-Shock Connected app and follow the on-screen instructions to pair your watch.
5. Once paired, the watch will automatically adjust its time settings based on your phone's time.

3.2 Quad Sensor Calibration

For accurate readings from the compass, altimeter/barometer, and thermometer, occasional calibration may be required. Refer to the G-Shock Connected app for detailed calibration procedures for each sensor.

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Video 3.1: Watch Setup and Connectivity. This video demonstrates the initial setup process and how to connect your G-Shock GGB100-1B to the G-Shock Connected app. (*Note: Creator type could not be verified from provided data. Assumed to be official seller content.*)

4. Operating Instructions

The GGB100-1B features multiple modes and functions accessible via its buttons. Familiarize yourself with the button layout and their primary functions.

4.1 Basic Timekeeping

- **Analog Display:** Hour, minute (moves every 10 seconds), and second hands.
- **Digital Display:** Hour, minute, second, AM/PM, month, date, day.
- **12/24-Hour Format:** Toggle between formats as desired.
- **Full Auto-Calendar:** Automatically adjusts for different month lengths and leap years until 2099.

4.2 Quad Sensor Functions

Access these functions by pressing the **MODE** button to cycle through modes or dedicated sensor buttons if available.

- **Compass:** Provides direction readings. Ensure the watch is held level for accuracy.
- **Altimeter/Barometer:** Measures altitude based on atmospheric pressure. Can also display atmospheric pressure trends.
- **Thermometer:** Measures ambient temperature. For accurate readings, remove the watch from your wrist for 20-30 minutes.
- **Step Tracker (Accelerometer):** Counts your steps throughout the day. Data can be synced with the G-Shock Connected app for activity logs.

4.3 Other Functions

- **1/100-Second Stopwatch:** For measuring elapsed time, split times, and two finishes.
- **Countdown Timer:** Set a countdown from a specified time.

- **World Time:** Displays the current time in 38 time zones (38 cities + UTC).
- **5 Daily Alarms:** Set up to five independent daily alarms.
- **Hourly Time Signal:** An audible beep every hour on the hour.
- **Hand Shift Feature:** Temporarily moves the analog hands away from the digital display for easier viewing.
- **Button Operation Tone On/Off:** Enable or disable the button press sound.
- **Double LED Light:** Illuminates both the analog and digital displays for visibility in low light conditions.

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Video 4.1: Overview of G-Shock GGB100-1B Features. This video provides a quick demonstration of some key functions and modes of the watch. (*Note: Creator type could not be verified from provided data. Assumed to be official seller content.*)

5. Bluetooth Connectivity and App Usage

The G-Shock Connected app enhances your watch's capabilities by providing a user-friendly interface for configuration and data management.

- **Automatic Time Adjustment:** Ensures your watch always displays the correct time.
- **World Time Settings:** Easily configure world time cities from your phone.
- **Alarm and Timer Settings:** Set and manage alarms and countdown timers conveniently.
- **Activity Log:** Records and displays altitude data, route information, and step counts from your watch, creating a detailed activity history.
- **Mode Switching Customization:** Personalize the order and visibility of watch modes.
- **Sensor Data Management:** View and analyze sensor data, including compass, altimeter, barometer, and thermometer readings.

6. Maintenance

6.1 Cleaning

Wipe the watch with a soft, dry cloth. For stubborn dirt, use a soft brush and mild soap solution, then rinse thoroughly with fresh water and dry completely. Pay special attention to the areas around buttons and the band.

6.2 Water and Mud Resistance

The GGB100-1B is water-resistant up to 200 meters and features a mud-resistant structure with sealed buttons. After exposure to saltwater or mud, rinse the watch with fresh water to prevent corrosion and maintain seals.

6.3 Battery Replacement

The watch uses one LR44 battery (included). The battery life is approximately 2 years. When the battery runs low, the display may dim or functions may become unreliable. It is recommended to have the battery replaced by an authorized service center to ensure water and mud resistance are maintained.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Incorrect Time Display	Not connected to smartphone; manual time not set; strong magnetic field exposure.	Connect to G-Shock Connected app; manually set time; move away from magnetic sources.
Inaccurate Sensor Readings	Needs calibration; watch not held level (compass); temperature affected by body heat (thermometer).	Perform sensor calibration via app; ensure proper watch positioning; remove watch from wrist for temperature readings.
Bluetooth Connection Issues	Bluetooth off on phone/watch; app not running; watch out of range.	Ensure Bluetooth is active on both devices; restart app; bring watch closer to phone.
Display is Dim or Blank	Low battery.	Replace battery at an authorized service center.

If problems persist after attempting these solutions, please contact G-Shock customer support or an authorized service center.

8. SPECIFICATIONS

Model Number	GGB100-1B
Case Size (H×W×D)	55.4 × 53.1 × 19.3 mm
Weight	92 Grams (3.25 ounces)
Case/Bezel Material	Carbon / Resin
Band Material	Resin
Water Resistance	200 Meters (20 BAR)
Power Source	Battery Powered (1 x LR44, included)
Battery Life	Approx. 2 years
Accuracy	±15 seconds per month (without Bluetooth communication)
Crystal	Mineral Glass
Display Type	Analog-Digital
Sensors	Compass, Altimeter/Barometer, Thermometer, Accelerometer (Step Tracker)
Connectivity	Bluetooth® Smart Link

9. WARRANTY AND SUPPORT

9.1 Manufacturer's Warranty

Your G-Shock GGB100-1B watch is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms, conditions, and duration. The warranty typically covers defects in materials and workmanship under normal use.

9.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official G-Shock website or contact their customer service department. Ensure you have your watch model number (GGB100-1B) and proof of purchase available when seeking support.