

Bittium Bittium Tough Mobile

Bittium Tough Mobile User Manual

Secure and Strong 4G/LTE Smartphone

1. INTRODUCTION

The Bittium Tough Mobile is a high-security, robust 4G/LTE smartphone designed for demanding professional use. It integrates advanced security features with the Android operating system, making it suitable for government agencies, public safety, and other professionals requiring secure and reliable communication.

This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your Bittium Tough Mobile device.

2. WHAT'S IN THE BOX

Upon unboxing your Bittium Tough Mobile, verify that all components are present:

- 1 x Bittium Tough Mobile Smartphone
- 1 x Battery
- 1 x Battery Door Cover
- 1 x Wired Stereo Head Set
- 1 x PC Connecting Cable
- 2 x Mains / Wall / Travel Chargers
- 1 x Documentation (User Manual, Quick Start Guide)
- 1 x Interior Retail Packing
- 1 x Retail Box with IMEI Numbers



Figure 2.1: Contents of the Bittium Tough Mobile retail box, including the phone, battery, chargers, cables, headset, and documentation.

3. PRODUCT OVERVIEW

3.1 Front and Back Views



Figure 3.1: Front view of the Bittium Tough Mobile smartphone, showing the display with Google services and standard Android icons.



Figure 3.2: Back view of the Bittium Tough Mobile smartphone, featuring a plain black design with the camera lens and LED flash visible at the top.

3.2 Device Components and Ports



Figure 3.3: Side view of the Bittium Tough Mobile, highlighting key components such as the earpiece, front camera, speakers, rear camera, LED flash, volume keys, and a programmable button.



Figure 3.4: Top and bottom views of the Bittium Tough Mobile, indicating the locations of microphones, the USB3 connector, charging pins, the power key, and the headset connector.

4. SETUP

4.1 Inserting the SIM Card and Battery

1. Carefully remove the battery door cover from the back of the device.
2. Insert your Micro-SIM card(s) into the designated slot(s). Ensure the SIM card is oriented correctly as indicated on the device. The Bittium Tough Mobile supports Dual-SIM functionality.
3. Insert the battery into its compartment, aligning the gold contacts.
4. Replace the battery door cover, ensuring it clicks securely into place.

4.2 Initial Power On and Setup Wizard

1. Press and hold the Power Key (refer to Figure 3.4) until the Bittium logo appears on the screen.
2. Follow the on-screen instructions to complete the initial setup wizard. This includes selecting your language, connecting to a Wi-Fi network, and setting up your Google account.
3. For optimal security, ensure you set up a strong screen lock (PIN, pattern, or password) during this process.

5. OPERATING YOUR DEVICE

5.1 Network Compatibility

The Bittium Tough Mobile is a factory unlocked GSM-only device. It is compatible with the following network frequencies:

- **2G GSM:** 850 / 900 / 1800 / 1900 MHz
- **3G:** 850(B5) / 900(B8) / 1700(B4) / 1900(B2) / 2100(B1) MHz
- **4G LTE:** 700(B13) / 700(B14) / 700(B17) / 800(B20) / 850(B5) / 1700(B4) / 1800(B3) / 1900(B2) / 2600(B7) MHz

Important: This phone WILL NOT WORK with any CDMA Networks such as VERIZON, SPRINT, US CELLULAR. Please verify compatibility with your network provider before use.

5.2 Basic Functions

- **Power On/Off:** Press and hold the Power Key. Select "Power off" from the options.
- **Volume Control:** Use the Volume Keys (refer to Figure 3.3) to adjust media, call, and alarm volumes.
- **Screen Lock/Unlock:** Briefly press the Power Key to turn the screen on or off. Swipe up or enter your security credentials to unlock.
- **Making Calls:** Open the Phone app, dial the number, and press the call icon.
- **Sending Messages:** Open the Messages app, start a new conversation, enter recipient and message, then send.
- **Connecting to Wi-Fi:** Go to Settings > Network & internet > Wi-Fi. Select your desired network and enter the password if required.
- **Bluetooth Pairing:** Go to Settings > Connected devices > Bluetooth. Turn on Bluetooth and select the device you wish to pair with.

6. MAINTENANCE

6.1 Cleaning Your Device

To clean your Bittium Tough Mobile, use a soft, lint-free cloth. For stubborn marks, slightly dampen the cloth with water. Avoid using harsh chemicals, abrasive cleaners, or aerosol sprays, as these can damage the device's finish and internal components.

The device has an IP67 rating, meaning it is dust tight and can withstand immersion in 1 meter of water for up to 30 minutes. However, it is not recommended for intentional submersion or use in extreme water conditions. Ensure all ports are dry before charging.

6.2 Battery Care

- Use only the original Bittium charger and battery provided with your device.

- Avoid exposing the battery to extreme temperatures (hot or cold).
- Do not puncture, disassemble, or short-circuit the battery.
- If the battery appears damaged or swollen, discontinue use immediately and dispose of it properly according to local regulations.

6.3 Software Updates

Regularly check for and install software updates to ensure your device has the latest security patches and features. Go to Settings > System > System update to check for available updates.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is drained or not properly inserted.	Charge the device for at least 30 minutes. Ensure the battery is correctly seated.
Cannot connect to network.	Incorrect SIM card insertion, out of network coverage, or incompatible network.	Re-insert SIM card. Move to an area with better signal. Verify network compatibility (GSM only).
Screen is unresponsive.	Temporary software glitch.	Perform a forced restart by holding the Power Key for approximately 10-15 seconds.
Battery drains quickly.	Too many apps running in background, high screen brightness, or poor signal.	Close unused apps. Reduce screen brightness. Disable Wi-Fi/Bluetooth when not in use.

If you encounter issues not listed here or if the suggested solutions do not resolve your problem, please contact Bittium customer support.

8. SPECIFICATIONS

Feature	Detail
Model Name	Bittium Tough Mobile
Operating System	Google Android
Display	5 Inches Full HD LCD (1920 x 1080 resolution)
Memory (RAM)	2 GB LPDDR3 PoP
Storage (Internal)	32 GB eMMC
Dimensions (HxWxD)	141mm x 75.5mm x 13.5mm
Weight	180 grams (6.3 ounces)
Wireless Technologies	Wi-Fi 802.11 a/b/g/n/ac, Bluetooth 4.0, NFC
Cellular Technology	LTE (GSM Only, Dual-SIM)
Durability Rating	IP67, MIL-STD-810G

Feature	Detail
Audio Jack	No headphone jack
Color	Black



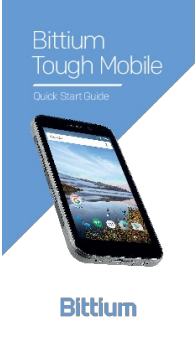
9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included in your product packaging or visit the official Bittium website. Bittium provides support for its products to ensure optimal performance and user satisfaction.

If you require technical assistance, have questions about your device, or need to report an issue, please contact Bittium customer support through their official channels. Details for support can typically be found on the Bittium website or in the included documentation.

© 2024 Bittium. All rights reserved. Information in this manual is subject to change without notice.

Related Documents - Bittium Tough Mobile

	<p>Bittium Tough Mobile 2 Quick Start Guide - Setup, Features, and Safety</p> <p>Get started quickly with the Bittium Tough Mobile 2 rugged smartphone. This guide covers device setup, key features, important safety information, and warranty details.</p>
	<p>Bittium Tough Mobile 2 Quick Start Guide</p> <p>A concise guide to setting up and using the Bittium Tough Mobile 2 smartphone, covering device features, safety, and technical specifications.</p>
	<p>Bittium Tough Mobile Quick Start Guide: Setup, Features, and Safety</p> <p>Get started with your Bittium Tough Mobile rugged smartphone. This quick start guide covers device setup, features like encryption and security, safety precautions, and warranty information.</p>



Bittium Tough Mobile Quick Start Guide

Get started quickly with the Bittium Tough Mobile. This guide covers device setup, features, security, and important safety information for the rugged smartphone.



Bittium HSATTM Recording Quick Guide: Using 2 RIP Belts

A concise quick start guide for setting up and using the Bittium HSATTM system with 2 RIP belts for sleep recording. Includes equipment lists, step-by-step instructions for starting and stopping recordings, and LED indicator troubleshooting.



Bittium Tough Mobile 3: Secure 5G Smartphone for Government and Defense

Discover the Bittium Tough Mobile 3, a 5G smartphone engineered for government, defense, and law enforcement. Features quantum-safe security, military-grade resilience, dual-OS, and advanced connectivity.