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- › **UMIDIGI** /
- › UMIDIGI Bison GT2 PRO 5G Rugged Smartphone User Manual

UMIDIGI Bison GT2 PRO 5G (Model 56273)

UMIDIGI Bison GT2 PRO 5G Rugged Smartphone User Manual

Model: **Bison GT2 PRO 5G (Model 56273)** | Brand: **UMIDIGI**

1. INTRODUCTION

The UMIDIGI Bison GT2 PRO 5G is a rugged unlocked smartphone designed for durability and high performance. It features advanced protection against water, dust, and drops, making it suitable for challenging environments. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Image 1.1: Front and rear view of the UMIDIGI Bison GT2 PRO 5G smartphone, showcasing its robust design.

2. KEY FEATURES

- **Rugged Design:** IP68/IP69K waterproof and dustproof ratings, MIL-STD-810G certified for drop resistance up to 1.8 meters.
- **High Performance:** Powered by MediaTek Dimensity 900 6nm processor, 8GB RAM, and 256GB internal storage.

- **Advanced Camera System:** 64MP main camera, 8MP ultra-wide camera, 5MP macro lens, and 24MP front camera. Features include night shooting mode.
 - **Immersive Display:** 6.5-inch FHD+ display with a 90Hz refresh rate for smooth visuals.
 - **Long-lasting Battery:** Equipped with a 6150mAh battery for extended usage.
 - **Global 5G Connectivity:** Supports dual Nano-SIM cards and a wide range of 5G global network bands.
 - **Enhanced Connectivity:** Includes Wi-Fi 6, Bluetooth 5.2, and NFC with Google Pay support.
 - **User-Friendly Features:** Customizable button, underwater mode, and gloves mode for versatile use.
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3. GETTING STARTED

3.1 Package Contents

Verify that all items are present in your product package:

- UMIDIGI Bison GT2 PRO 5G Smartphone
- Power Adapter
- USB Type-C Cable
- SIM Tray Ejector Tool
- Screen Protector (pre-applied or in box)
- Quick Start Guide

3.2 SIM Card & Storage Installation

To install your Nano-SIM cards and/or a Micro-SD expansion memory card:

1. Locate the SIM card tray on the side of the device.
2. Insert the SIM tray ejector tool into the small hole next to the tray and press firmly until the tray pops out.
3. Carefully pull out the tray.
4. Place your Nano-SIM cards and/or Micro-SD card into the designated slots on the tray, ensuring correct orientation.
5. Gently push the tray back into the slot until it is flush with the device body.

3.3 Initial Power On & Setup

To power on your device for the first time:

1. Press and hold the Power button (usually on the right side) until the UMIDIGI logo appears on the screen.
 2. Follow the on-screen prompts to complete the initial setup, which includes selecting your language, connecting to Wi-Fi, setting up your Google account, and configuring security options.
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4. DEVICE OVERVIEW & DISPLAY

4.1 Physical Components

Familiarize yourself with the physical layout of your smartphone:

- **Front:** 6.5-inch FHD+ display, 24MP front camera, earpiece.

- **Rear:** 64MP main camera, 8MP ultra-wide camera, 5MP macro camera, LED flash.
- **Right Side:** Power button, Volume Up/Down buttons, Customizable button.
- **Left Side:** SIM/Micro-SD card tray.
- **Bottom:** USB Type-C port, microphone, speaker.

4.2 Display Features

The UMIDIGI Bison GT2 PRO 5G features a 6.5-inch Full HD+ display, providing clear and vibrant visuals. The 90Hz refresh rate ensures a smoother scrolling experience and more fluid animations, enhancing overall user interaction.

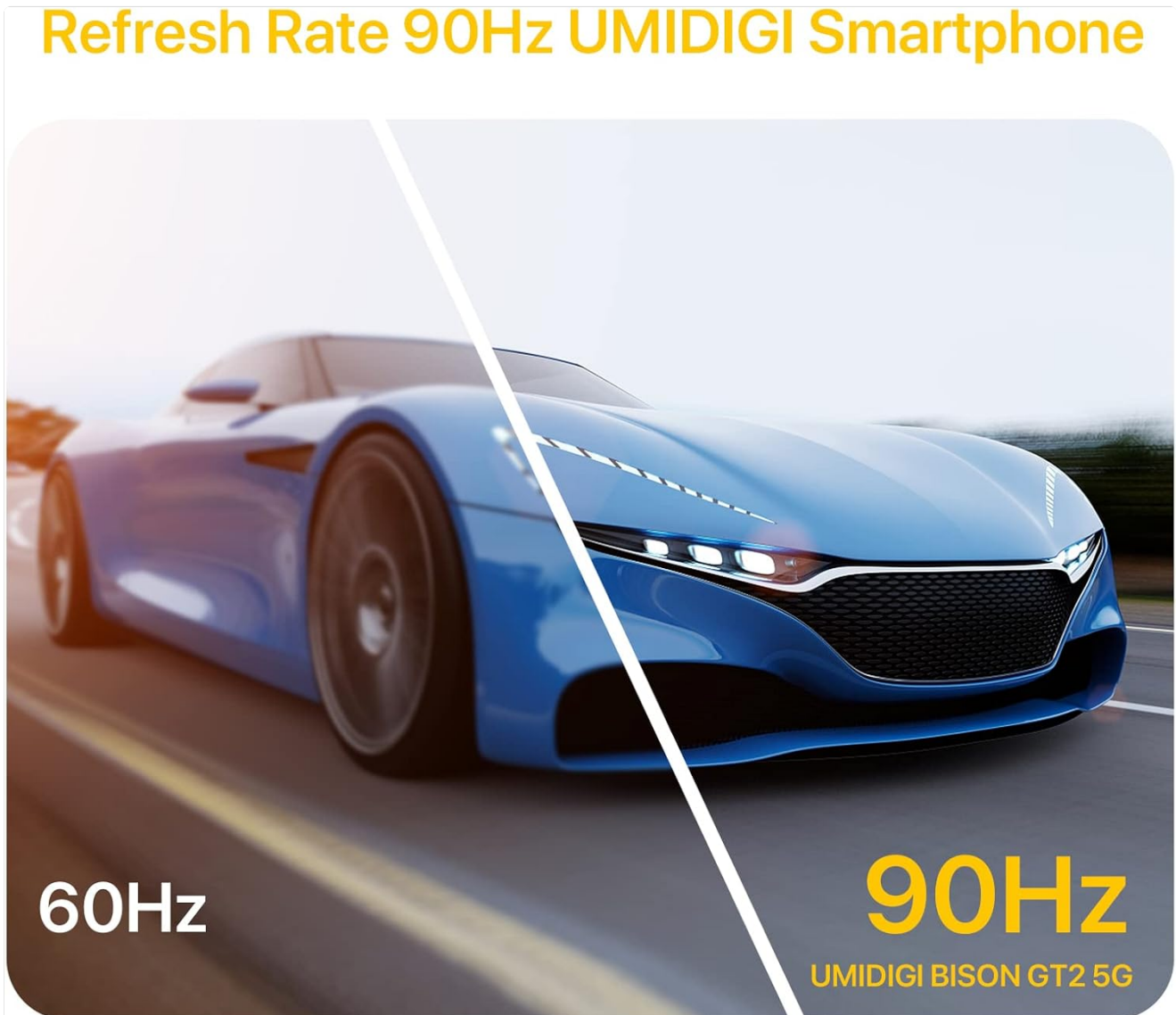


Image 4.1: Visual representation of the difference between 60Hz and 90Hz refresh rates, highlighting the smoother motion provided by 90Hz.

5. PERFORMANCE & CONNECTIVITY

5.1 Processor, Memory & Storage

The device is powered by the MediaTek Dimensity 900 6nm processor, offering efficient and powerful performance for demanding applications and multitasking. It comes with 8GB of LPDDR4X RAM and 256GB of UFS 2.1 internal storage, providing ample space for apps, photos, videos, and files, along with fast data access speeds.



Image 5.1: Diagram illustrating the MediaTek Dimensity 900 processor, 8GB LPDDR4X RAM, and 256GB UFS 2.1 storage, highlighting key performance specifications.

5.2 Network & Wireless Connectivity

The UMIDIGI Bison GT2 PRO 5G supports global 5G networks, ensuring fast and reliable mobile data connectivity. It also features:

- **Wi-Fi 6:** Provides faster wireless speeds and improved performance in congested network environments.
- **Bluetooth 5.2:** For stable and efficient connections with wireless accessories.
- **NFC:** Enables convenient mobile payments via Google Pay and quick pairing with compatible devices.



The Most Powerful WIFI Ever



4x

More Capacity

40%

Increase in
Data Throughput

100%

Backwards
Compatibility

HyperEngine 3.0 & Liquid Cooling System 2.0

Image 5.2: Depiction of Wi-Fi 6 technology, emphasizing increased capacity and data throughput, alongside HyperEngine 3.0 and Liquid Cooling System 2.0 for optimized performance.



Image 5.3: Icons representing key features such as NFC, Google Pay, 6150mAh battery capacity, and the Android operating system.

6. CAMERA SYSTEM

The UMIDIGI Bison GT2 PRO 5G is equipped with a versatile triple camera setup on the rear and a high-resolution front camera:

- **64MP Main Camera:** Captures high-definition photos with an F/1.8 aperture and 81° FOV.
- **8MP Ultra-Wide Camera:** Offers a 117° FOV with an F/2.2 aperture, ideal for landscapes and group shots.
- **5MP Macro Camera:** Allows for detailed close-up photography with an F/2.4 aperture and 88° FOV.
- **24MP Front Camera:** For clear selfies and video calls.

The camera system also includes a night shooting mode to capture details in low-light conditions and an underwater mode for photography in aquatic environments.



Image 6.1: Detailed diagram showing the individual lenses of the 64MP main, 8MP ultra-wide, and 5MP macro cameras, along with their respective apertures and fields of view.



Image 6.2: A person holding the smartphone at night, demonstrating its capability to capture vibrant city scenes, indicative of its low-light performance.

7. DURABILITY & PROTECTION

The UMIDIGI Bison GT2 PRO 5G is engineered to withstand harsh conditions, meeting military standards for ruggedness:

- **IP68 & IP69K Ratings:** Certified for superior water and dust resistance. It can withstand immersion in water up to 1.5 meters for 30 minutes and is protected against high-pressure, high-temperature water jets.
- **MIL-STD-810G Certified:** Meets military standards for resistance against drops, shocks, humidity, solar radiation, and temperature extremes. It is designed to withstand drops from up to 1.8 meters.

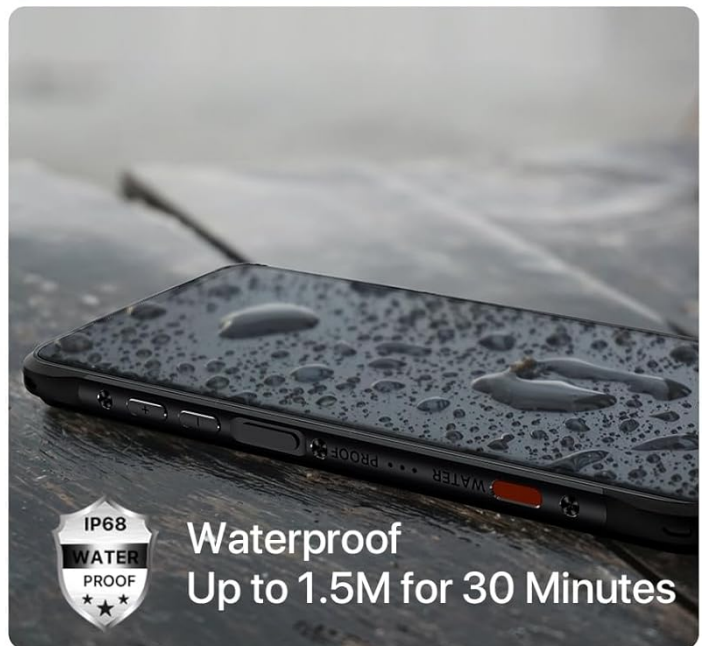


Image 7.1: Visual demonstration of the phone's drop-proof capability (up to 1.8M), dustproof design (IP69K), and waterproof performance (IP68, up to 1.5M for 30 minutes).

8. BATTERY MANAGEMENT

The Bison GT2 PRO 5G is equipped with a large 6150mAh battery, providing extended usage times. To optimize battery life and ensure proper charging:

- Use the original charger and cable provided with the device for optimal charging speed and safety.
- Avoid exposing the device to extreme temperatures during charging or operation.
- Close unused applications running in the background to conserve battery power.
- Adjust screen brightness and enable power-saving modes when necessary.

9. ADVANCED FEATURES

9.1 Customizable Button

The UMIDIGI Bison GT2 PRO 5G features a customizable button on its side. This button can be configured to quickly access various functions, such as SOS emergency, Push-to-Talk (PTT), flashlight, or recording. Refer to the device settings under 'Smart Assistant' or 'Custom Button' to set your preferred shortcuts.



Image 9.1: Close-up view of the side of the smartphone, indicating the location of the two independent customizable buttons.

9.2 Underwater Mode & Gloves Mode

- **Underwater Mode:** This mode optimizes touch sensitivity and button functions for use while submerged, allowing you to capture photos and videos underwater. Activate this mode from the quick settings panel or camera app.
- **Gloves Mode:** Increases the touch screen sensitivity, enabling you to operate the device accurately even while wearing gloves. This feature is particularly useful in cold environments or for users who frequently wear protective gloves.

9.3 Headset-free FM Radio

The device supports headset-free FM radio, allowing you to listen to your favorite radio stations without needing to connect wired headphones as an antenna. This feature is convenient for outdoor activities or when you prefer not to use headphones.

10. MAINTENANCE & CARE

To ensure the longevity and optimal performance of your UMIDIGI Bison GT2 PRO 5G, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the device with a soft, damp cloth. For stubborn dirt, use a mild soap solution. Ensure all ports are dry before charging or connecting accessories.
- **Water Exposure:** After exposure to water, especially saltwater, rinse the device with clean fresh water and ensure all ports are completely dry before charging. Do not use compressed air to dry ports as it may damage seals.
- **Temperature:** Avoid exposing the device to extreme hot or cold temperatures, as this can affect battery life and

internal components.

- **Impact Protection:** While rugged, avoid unnecessary drops or impacts. The device is designed to withstand accidental drops, but extreme force can still cause damage.
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11. TROUBLESHOOTING

This section addresses common issues you might encounter with your UMIDIGI Bison GT2 PRO 5G.

11.1 Common Issues & Solutions

- **Device Not Powering On:**
Ensure the battery is charged. Connect the charger and wait a few minutes before attempting to power on again. If unresponsive, try holding the Power button for 10-15 seconds for a forced restart.
- **Poor Network Signal/No Service:**
Check if your SIM card is properly inserted. Verify that mobile data is enabled in settings. Ensure you are within network coverage. If using a SIM-free device, confirm that the phone supports your carrier's frequency bands.
- **Camera Focus Issues:**
Clean the camera lenses with a soft, lint-free cloth. Ensure there are no obstructions. If the issue persists, try restarting the camera app or the device. Some users have reported persistent camera focus issues; if this occurs, contact customer support.
- **Slow Performance/App Crashes:**
Close unnecessary background applications. Clear cache for problematic apps. Ensure sufficient storage space is available. Restart the device regularly.
- **Battery Draining Quickly:**
Reduce screen brightness. Disable Wi-Fi, Bluetooth, and GPS when not in use. Identify and close power-intensive apps. Check for system updates.

11.2 Factory Reset

If you experience persistent software issues, a factory reset may resolve them. **Warning:** A factory reset will erase all data on your device. Back up important data before proceeding.

1. Go to **Settings**.
 2. Navigate to **System > Reset options**.
 3. Select **Erase all data (factory reset)**.
 4. Confirm your decision and enter your PIN/password if prompted.
 5. The device will restart and begin the reset process.
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12. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	Bison GT2 PRO 5G (56273)
Operating System	Android 12
Processor	MediaTek Dimensity 900 6nm
RAM	8GB LPDDR4X
Internal Storage	256GB UFS 2.1
Expandable Storage	Micro-SD (capacity not specified, typically up to 1TB)
Display	6.5-inch FHD+ (2400 x 1080)
Refresh Rate	90Hz
Rear Camera	64MP Main + 8MP Ultra-Wide + 5MP Macro
Front Camera	24MP
Battery Capacity	6150mAh Lithium Polymer
Charging	Fast Charge (wattage not specified)
Network	5G Global Network, Dual Nano-SIM
Wi-Fi	Wi-Fi 6 (802.11ax)
Bluetooth	Bluetooth 5.2
NFC	Yes (with Google Pay support)
Durability Ratings	IP68, IP69K, MIL-STD-810G
Dimensions	6.77 x 3.27 x 0.51 inches
Weight	1.23 pounds

13. SUPPORT INFORMATION

For further assistance, product updates, or warranty inquiries, please refer to the official UMIDIGI support channels. UMIDIGI aims to meet customer needs and earn their trust through reliable products and support.

- Visit the official UMIDIGI website for FAQs, software downloads, and contact information.
- Check for system updates regularly via **Settings > System > System update** to ensure your device has the latest features and security patches.

Note: No official product videos with 'Seller' creator type and m3u8 format were found in the provided data to embed in this manual.

