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ASUS AI2201-12G256G-BK

ASUS ROG Phone 6 User Manual

Model: AI2201-12G256G-BK

INTRODUCTION

The ASUS ROG Phone 6 is engineered for an unparalleled mobile gaming experience. This manual provides essential information on setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and longevity.

PRODUCT OVERVIEW



Figure 1: ASUS ROG Phone 6, showcasing its sleek design and camera module.

The ROG Phone 6 integrates cutting-edge hardware and software to deliver a superior gaming and multimedia experience. Key features include:

- **Unrivaled Performance:** Powered by the Qualcomm Snapdragon 8+ Gen 1 Mobile Platform.
- **Advanced Cooling:** GameCool 6 thermal system with a 30% larger vapor chamber.
- **Supreme Visuals:** 6.78-inch FHD+ AMOLED display with 165Hz refresh rate and HDR+.
- **Enhanced Control:** AirTrigger 6 ultrasonic sensors for precise gaming input.
- **Immersive Audio:** Symmetrical front-firing dual speakers tuned by Dirac.

- **Long-lasting Battery:** 6000mAh dual-cell battery with 65-watt quick charge.
- **High-Quality Camera:** 50MP Sony IMX766 main sensor.

SETUP

1. Initial Charging

Before first use, fully charge your ROG Phone 6 using the provided 65-watt HyperCharge adapter and USB cable. The device supports fast charging, allowing it to go from 0% to 100% in approximately 42 minutes.



Figure 2: Charging the ROG Phone 6 via the convenient side-mounted port.

2. SIM Card Installation

The ROG Phone 6 supports dual SIM functionality. Use the provided SIM tray ejector to open the SIM card slot. Insert your Nano-SIM cards into the tray, ensuring they are correctly oriented, and then reinsert the tray into the phone.

3. Network Compatibility

This US Version of the ROG Phone 6 is compatible with GSM Networks, including AT&T, T-Mobile, and Mobile Virtual Network Operators (MVNOs) that utilize AT&T and T-Mobile networks. It is **not** compatible with CDMA Networks such as Verizon and US Cellular.

OPERATING YOUR DEVICE

1. Display and Visuals

Experience stunning visuals on the 6.78-inch FHD+ AMOLED display with a 165Hz refresh rate. This high refresh rate ensures incredibly smooth animations and responsive gameplay. The display also features HDR+ and eye care technology for comfortable viewing during extended sessions.



Figure 3: Visual comparison highlighting the superior quality of the ROG Phone 6's AMOLED display.

2. Performance and Gaming

The ROG Phone 6 is powered by the Qualcomm Snapdragon 8+ Gen 1 Mobile Platform, offering significant performance improvements. The GameCool 6 thermal system ensures sustained performance by efficiently dissipating heat, preventing throttling during intense gaming.

POWER, EVOLVED

Snapdragon[®] 8+ Gen 1

Qualcomm[®] Mobile Platform

15% faster

CPU performance

50% faster

GPU performance



*Manufacturer's performance data, compared to Snapdragon[®] 888.

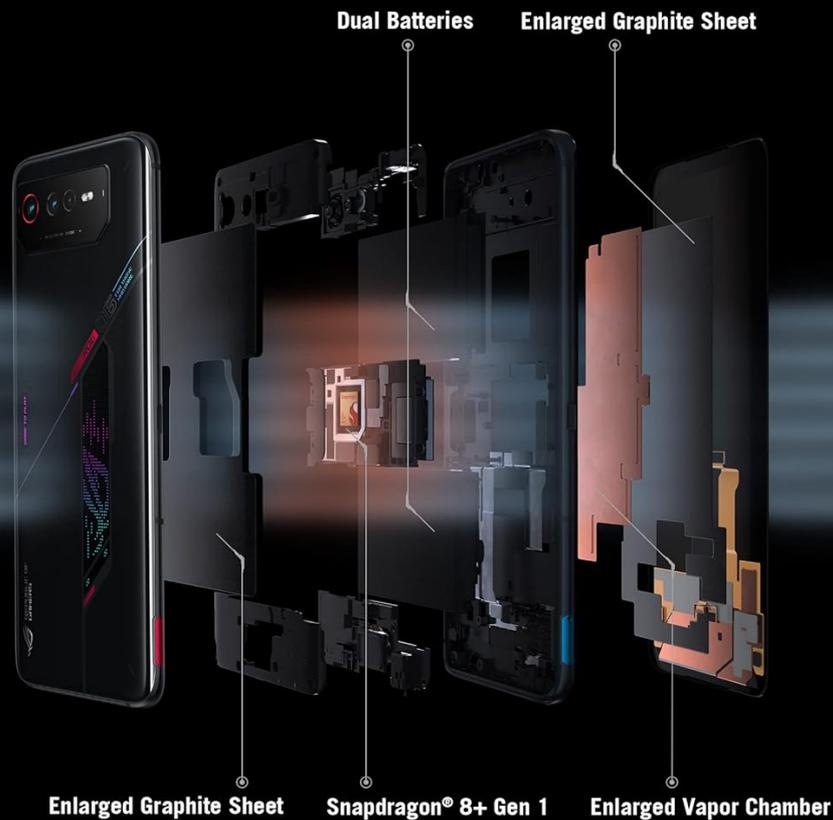
Figure 4: The Snapdragon 8+ Gen 1 Mobile Platform, the core of the ROG Phone 6's performance.

THERMAL, EVOLVED

30% larger
vapor chamber

85% larger
graphite sheet

Up to
10°C
lower CPU temperature



*Active A Test result provided by ASUS labs, compared to the CPU temperature of ASUS ROG Phone 6 without BN thermal compound.

Figure 5: Internal components of the GameCool 6 thermal system for efficient heat management.

Utilize the **Armoury Crate** app to customize scenario profiles and enhance your gaming experience. Activate **X-Mode** for high-performance gaming, which optimizes CPU and GPU for maximum speed.

3. AirTrigger 6 Controls

The AirTrigger 6 system provides advanced ultrasonic sensors that support various gestures, including tap, horizontal slide, vertical slide, swipe, dual partition, dual control, dual action, press and lift, and gyroscope aiming. These customizable controls offer a console-like gaming experience.

AIRTRIGGER ULTRASONIC BUTTONS. EVOLVED



Figure 6: Illustration of AirTrigger 6 gestures for enhanced gaming control.

4. Audio Experience

The ROG Phone 6 features symmetrical front-firing dual speakers tuned by Dirac, providing balanced stereo sound. The aptX adaptive codec ensures lossless audio quality. A 3.5mm audio jack is also available for wired headphones, offering superior sound quality and minimal latency.

AUDIO, EVOLVED



Qualcomm® aptX™
Adaptive



symmetrical dual front-facing
stereo speakers



3.5 mm
headphone jack

Figure 7: The ROG Phone 6's audio system with dual front-facing speakers.

5. Camera System

Capture high-quality photos and videos with the rear triple-camera system, featuring a 50MP Sony IMX766 main sensor. The front camera is 12MP, suitable for selfies and video calls. While not a professional DSLR, the camera system provides excellent results for everyday use.

CAMERA, EVOLVED

Sony®
IMX766
50 MP image sensor

Pro-level
HDR10+
video mode



Figure 8: The advanced triple camera system on the ROG Phone 6.

6. Aura RGB Lighting

Personalize your device with the customizable Aura RGB lighting on the rear of the phone. Choose from 8 mood-lighting presets and up to 16.77 million color combinations to express your style.

RGB, EVOLVED

8
mood-lighting presets

Up to
16.77 million
color combinations



Figure 9: Customizable Aura RGB lighting on the back of the ROG Phone 6.

MAINTENANCE

1. Battery Health

The 6000mAh battery is designed for marathon gameplay. To extend battery longevity, utilize the advanced charging modes such as Battery Bypass or Steady Charging, which can be configured in the device settings. These modes help reduce battery degradation over time.

BATTERY, EVOLVED

6000 mAh
high-capacity battery

65-watt
HyperCharge adapter

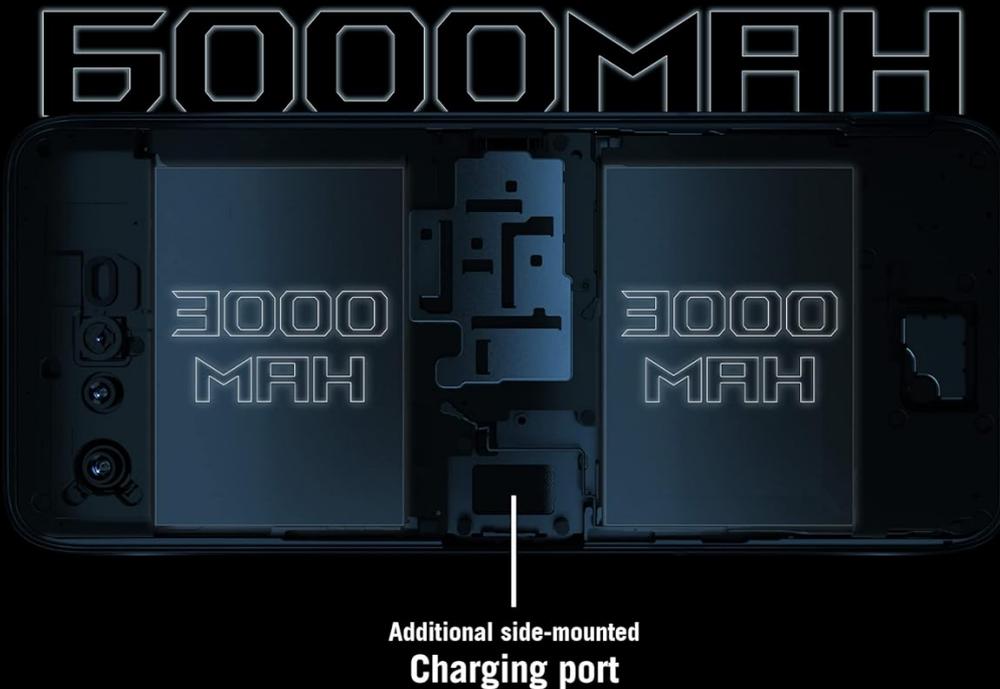


Figure 10: The dual-cell 6000mAh battery design of the ROG Phone 6.

2. General Care

The ROG Phone 6 is splash-proof, offering protection against minor water exposure. However, it is not fully waterproof. Avoid submerging the device in water or exposing it to harsh liquids. Clean the screen and body with a soft, dry cloth. Protect the display with a screen protector and use the included phone case for added durability.

TROUBLESHOOTING

1. Network Connectivity Issues

If you experience slower than expected 5G speeds, ensure your SIM card is up-to-date. Older SIM cards may not fully support modern 5G capabilities. Contact your cellular provider for a new SIM card if necessary, and verify that 5G mode is enabled in your phone's network settings.

2. Charging Speed Discrepancies

While the ROG Phone 6 supports 65W HyperCharge, some third-party chargers may only provide

Related Documents - AI2201-12G256G-BK

 The image shows the cover of the ASUS ROG Phone User Guide. It features a black background with the ROG logo in red and white. The text 'ROG PHONE' is prominently displayed at the top. There are also some technical specifications and a QR code at the bottom.	<p>ASUS ROG Phone User Guide: Safety, Operation, and Compliance</p> <p>Comprehensive user guide for the ASUS ROG Phone (Model: ASUS_AI2201_D), covering essential safety information, operating instructions, regulatory compliance (FCC, IC), RF exposure, battery care, and warranty details.</p>
 The image shows the cover of the ASUS ROG Phone 3 User Guide. It features a black background with the ROG logo in red and white. The text 'ROG PHONE 3' is prominently displayed at the top. There are also some technical specifications and a QR code at the bottom.	<p>ASUS ROG Phone 3 User Guide</p> <p>Comprehensive user guide for the ASUS ROG Phone 3 (Model: ASUS_I003DD / ZS661KS), covering setup, features, AeroActive Cooler, charging, SIM installation, safety, and regulatory information.</p>
 The image shows the cover of the ASUS ROG Phone User Guide: NA22255. It features a white background with the ROG logo in black. The text 'ROG PHONE' is prominently displayed at the top. There are also some technical specifications and a QR code at the bottom.	<p>ASUS ROG Phone User Guide: NA22255</p> <p>Comprehensive user guide for the ASUS ROG Phone (Model: ASUS_AI2401_E), covering setup, features, charging, safety information, and warranty details.</p>
 The image shows the cover of the ASUS ROG Phone 5 User Guide. It features a white background with the ROG logo in black. The text 'ROG PHONE 5' is prominently displayed at the top. There are also some technical specifications and a QR code at the bottom.	<p>ASUS ROG Phone 5 User Guide</p> <p>Explore the ASUS ROG Phone 5 (ZS673KS) with this official user guide. Learn about its features, ZenUI, camera, connectivity, safety guidelines, and accessories. Get the most out of your gaming smartphone.</p>
 The image shows the cover of the ASUS ROG Strix 1200W Gaming Power Supply Unit user guide. It features a black background with the ROG logo in red and white. The text 'ROG STRIX 1200W GAMING' is prominently displayed at the top. There are also some technical specifications and a QR code at the bottom.	<p>ASUS ROG Strix 1200W Platinum Power Supply Unit - Features and Specifications</p> <p>Explore the features and specifications of the ASUS ROG Strix 1200W Platinum power supply unit, including GaN MOSFET, Intelligent Voltage Stabilizer, ROG Heatsinks, ATX 3.1 compatibility, and 10-year warranty.</p>



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ROG THOR POWER SUPPLY UNIT

ASUS ROG THOR Power Supply Unit Quick Start Guide and Specifications



[ASUS ROG Thor Power Supply Unit Quick Start Guide and Specifications](#)

This document provides a quick start guide, package contents, specifications, cable descriptions, and safety information for the ASUS ROG Thor Power Supply Unit, available in 850W and 1200W models.