

Samsung SM-A166M/DS

SAMSUNG Galaxy A16 5G User Manual

Model: SM-A166M/DS

1. INTRODUCTION

Welcome to the comprehensive user manual for your new SAMSUNG Galaxy A16 5G. This guide is designed to help you understand and utilize all the features of your device, from initial setup to advanced functionalities. The Galaxy A16 5G combines sophisticated technology with an elegant design, featuring a stunning 6.7-inch Super AMOLED display with a 90Hz refresh rate for vibrant visuals and smooth interactions. Powered by the Exynos 1330 chipset, it offers a seamless user experience with support for up to six major Android upgrades. Capture breathtaking photos with its versatile triple-camera system, including a 50 MP main lens. A robust 5000 mAh battery with 25W fast charging ensures you stay powered throughout your day. Its IP54 rating provides dust and splash resistance, making it a practical choice for everyday use. Enhanced connectivity with 5G support, Wi-Fi, and Bluetooth further elevates its appeal.

2. WHAT'S IN THE BOX

Upon opening your SAMSUNG Galaxy A16 5G package, you should find the following items:

- SAMSUNG Galaxy A16 5G Device
- USB Cable (Type-C to Type-C)
- 25W Power Adapter (included by seller)
- SIM Ejection Pin
- Quick Start Guide
- Warranty Information



Full view of the SAMSUNG Galaxy A16 5G device and its retail packaging.



The 25W power adapter included with the device.

3. SETUP

3.1. Inserting SIM Card and MicroSD Card

Your Galaxy A16 5G supports Dual SIM functionality, allowing you to use two different phone numbers on one device. It also supports microSD cards up to 1TB for expandable storage.

1. Locate the SIM tray on the left side of the device.
2. Insert the SIM ejection pin into the small hole next to the tray to open it.
3. Gently pull out the SIM tray.
4. Place your Nano-SIM card(s) and/or microSD card into the designated slots on the tray. Ensure they are correctly oriented.
5. Carefully reinsert the tray into the phone until it clicks into place.



Left side view of the device, indicating the SIM tray location.

3.2. Initial Power On

To power on your device for the first time, press and hold the Power/Lock button (located on the right side) until the Samsung logo appears on the screen.



Right side view of the device, highlighting the power and volume buttons.

3.3. Basic Configuration

Follow the on-screen prompts to complete the initial setup process. This typically includes selecting your language, connecting to a Wi-Fi network, signing in with your Google account, and setting up security features like fingerprint recognition or a PIN.



Front view of the device, displaying the initial setup screen.

4. OPERATING YOUR DEVICE

4.1. Display

The Galaxy A16 5G features a 6.7-inch Super AMOLED display with a 90Hz refresh rate, providing vibrant colors and smooth scrolling. The resolution is 1080 x 2340 pixels, offering a clear and immersive viewing experience with up to 800 nits (HBM) brightness.

4.2. Performance

Equipped with the powerful Exynos 1330 chipset and 8GB of RAM, your device ensures smooth multitasking and efficient performance for daily tasks and demanding applications.

4.3. Storage

The device comes with 256GB of internal storage, providing ample space for your apps, photos, and videos. For additional storage, you can expand it up to 1TB using a microSD card.

4.4. Camera

Capture stunning moments with the versatile triple-camera system:

- **Main Camera:** 50 MP, f/1.8, (wide), AF
- **Ultrawide Camera:** 5 MP, f/2.2
- **Macro Camera:** 2 MP, f/2.4
- **Front Camera:** 13 MP

Both front and rear cameras support video recording up to 1080p at 30 frames per second.



Back view of the device, showcasing the triple camera system.

4.5. Battery & Charging

The Galaxy A16 5G is powered by a robust 5000 mAh non-removable battery. It supports 25W wired fast charging, allowing you to quickly power up your device and stay connected throughout the day.

4.6. Connectivity

Stay connected with comprehensive connectivity options:

- **5G Bands:** 1, 3, 7, 8, 20, 28, 38, 40, 41, 77, 78 SA/NSA/Sub6
- **4G LTE Bands:** 1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28, 38, 40, 41, 66
- Wi-Fi
- Bluetooth
- GPS

4.7. Software

The device runs on Android 14 with Samsung's One UI 6.1. It is guaranteed to receive up to six major Android operating system updates, ensuring your device stays current with the latest features and security enhancements.

5. MAINTENANCE

5.1. Cleaning Your Device

To keep your device clean, gently wipe the screen and body with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen cleaner. Avoid using harsh chemicals or abrasive materials.

5.2. Software Updates

Regularly check for and install software updates to ensure your device has the latest features, security patches, and performance improvements. Go to **Settings > Software update > Download and install**

5.3. Battery Care

To prolong battery life, avoid exposing your device to extreme temperatures. Use only Samsung-approved chargers and cables. For optimal battery health, try to keep the charge level between 20% and 80%.

6. TROUBLESHOOTING

6.1. Common Issues

- **Device not responding:** Press and hold the Power/Lock button and Volume Down button simultaneously for more than 7 seconds to restart the device.
- **Connectivity problems:** Try toggling Wi-Fi or Bluetooth off and on. For mobile data issues, check your SIM card and network settings.
- **App crashes:** Clear the app's cache (Settings > Apps > [App Name] > Storage > Clear cache) or reinstall the app.

6.2. Factory Reset

If your device experiences persistent issues, a factory reset can often resolve them. This will erase all data on your device, so ensure you back up important information before proceeding. Go to **Settings > General management >**

7. SPECIFICATIONS

Feature	Specification
Brand	Samsung
Model Name	Samsung Galaxy A16 5G
Item Model Number	SM-A166M/DS
Operating System	Android 14 (with One UI 6.1)
Screen Size	6.7 Inches
Display Type	Super AMOLED, 90Hz, 800 nits (HBM)
Resolution	1080 x 2340 pixels
RAM	8 GB
Memory Storage Capacity	256 GB (Expandable up to 1TB via microSD)
CPU Model	Exynos 1330 (Octa-core)
Rear Camera	50 MP (wide), 5 MP (ultrawide), 2 MP (macro)
Front Camera	13 MP
Battery Capacity	5000 mAh
Charging	25W wired charging
Product Dimensions	3.07 x 0.31 x 6.47 inches
Item Weight	11.3 ounces
Connectivity Technologies	5G, 4G LTE, Wi-Fi, Bluetooth, GPS
Audio Jack	No headphone jack
Color	Light Green

8. WARRANTY AND SUPPORT

Your SAMSUNG Galaxy A16 5G comes with a manufacturer's warranty. Please refer to the included warranty information card for details on coverage and terms. For further support, troubleshooting, or service inquiries, visit the official Samsung support website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question