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› Samsung Galaxy A16 5G User Manual

Samsung SM-A166

Samsung Galaxy A16 5G User Manual

Model: SM-A166

INTRODUCTION

The Samsung Galaxy A16 5G is an unlocked Android smartphone designed to provide essential features and practical extras for everyday use. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your device.

Key features include a large AMOLED display, durable design, super fast charging capabilities, and expandable storage.

SETUP GUIDE

Package Contents

Upon opening your Samsung Galaxy A16 5G package, verify that all items are present:

- Galaxy A16 5G Smartphone
- USB-C Cable
- SIM Tray Ejector
- Quick Start Guide

What's in the box



1
Galaxy A16 5G



2
USB-C Charge Cable



3
Ejection Pin

Figure 1: What's in the box for the Galaxy A16 5G.

Inserting the SIM Card

1. Locate the SIM card tray on the side of your device.
2. Insert the SIM tray ejector tool into the small hole next to the tray.
3. Gently push until the tray pops out.
4. Place your Nano-SIM card(s) and/or microSD card (sold separately) into the designated slots on the tray. Ensure proper orientation.
5. Carefully reinsert the tray into the phone until it clicks into place.

Initial Power On and Setup

Press and hold the Power/Side key until the Samsung logo appears. Follow the on-screen prompts to complete the initial setup, including language selection, Wi-Fi connection, Google account sign-in, and data transfer if applicable.

OPERATING YOUR DEVICE

Display and Navigation

The Galaxy A16 5G features a 6.7-inch FHD+ Super AMOLED display, providing crisp detail and vivid colors for an enhanced viewing experience. Navigation is primarily via the touchscreen interface.

See all you need on a bright screen



Figure 2: The bright and vivid display of the Galaxy A16 5G.

Camera Features

Capture moments with clarity using the triple-lens rear camera system and the front camera. The camera setup includes a 50MP Main Camera, 5MP Ultra Wide Camera, 2MP Macro Camera, and a 13MP Front Camera.

Built to capture every memory in vivid detail



Figure 3: Overview of the Galaxy A16 5G camera system.

Storage and Memory

The device comes with 128GB of internal storage. Storage can be expanded up to 1.5TB using a microSD card (sold separately), allowing ample space for photos, videos, and applications.

Software and Updates

The Galaxy A16 5G runs on Android 14 with Samsung's One UI. Samsung provides six years of OS and security updates, ensuring your device remains secure and up-to-date for an extended period.

Software that stays up to date



The OS-upgrades and security-updates policies are subject to change.

Figure 4: The Galaxy A16 5G receives extended software and security updates.

Connectivity

The device supports 5G cellular technology, Bluetooth, Wi-Fi, USB Type-C for charging and data transfer, and NFC for contactless payments and other functions.

Samsung Wallet

Utilize Samsung Wallet for convenient mobile payments, storing digital cards, and IDs. This feature allows for quick and secure transactions with a simple tap.

A digital wallet is already in your Galaxy with Samsung Wallet

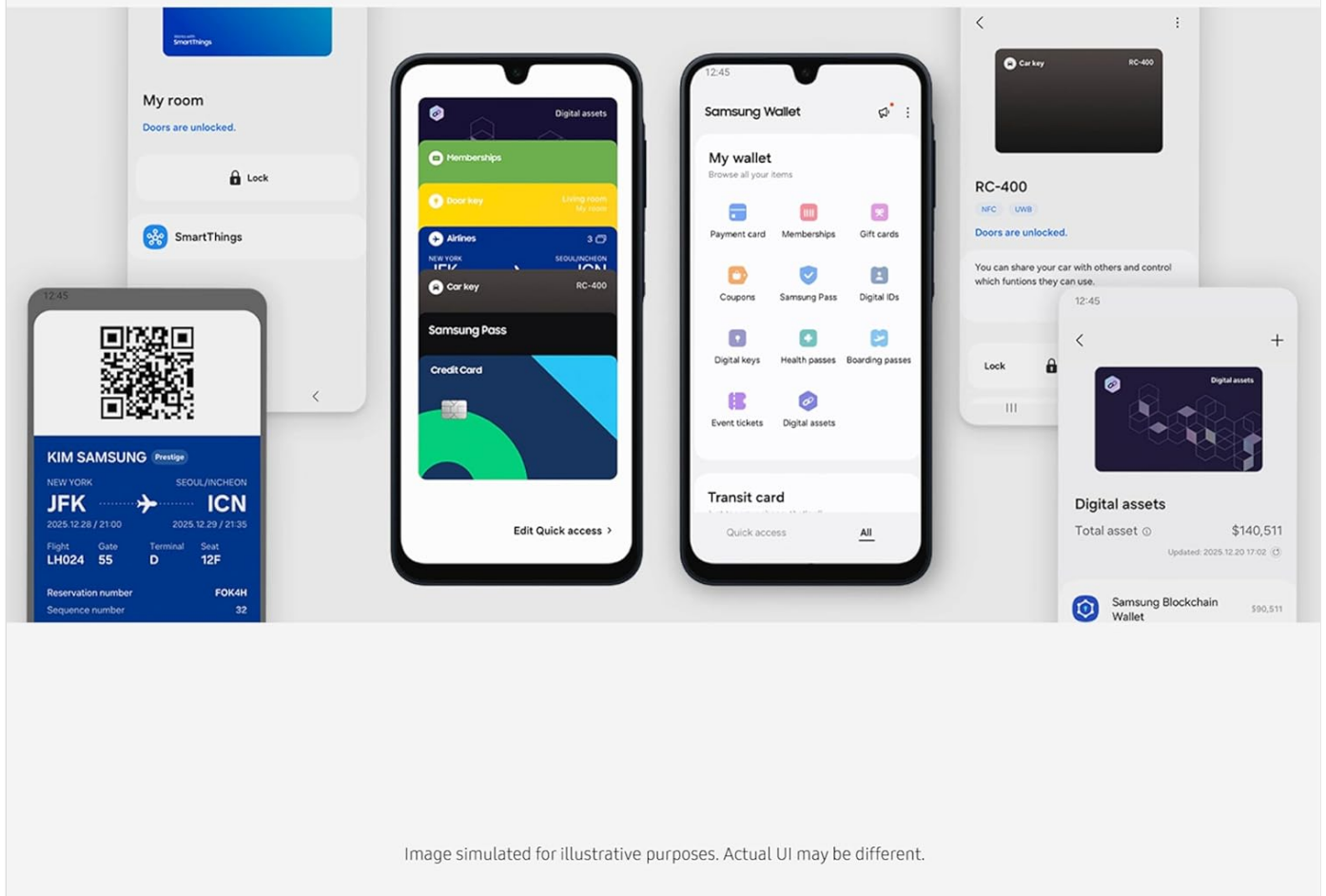


Figure 5: Samsung Wallet interface for managing digital assets. For more information, visit [Samsung Wallet FAQ](#).

For a visual overview of the device, please see the 360-degree spin video below:

Your browser does not support the video tag.

Video 1: A 360-degree view of the Samsung Galaxy A16 5G, showcasing its design from all angles.

MAINTENANCE

Durability and Protection

The Galaxy A16 5G features an improved IP54 rating, providing enhanced resistance against dust and splashes of fresh water. This rating indicates protection against limited dust ingress and water splashes from any direction. It is not advised for beach or pool use.

More durable than ever before

IP54



IP54 rating for water and dust resistance. Water resistance based on laboratory test conditions for exposure to splashes of fresh water. Not advised for beach or pool use. Dust resistance based on laboratory test conditions, with limited protection against dust ingress. Compared to previous models.

Figure 6: The Galaxy A16 5G's IP54 rating for dust and water resistance.

Battery Charging

The device is equipped with a 5000 mAh battery and supports Super Fast Charging. For optimal charging, use only Samsung-approved chargers and cables. Avoid using worn or damaged accessories to prevent potential injury or device damage. A 25W Super Fast Charger is sold separately.

Super charge your day with Super Fast Charging



25W Super Fast Charger sold separately. Super Fast Charging speed depends on battery level and other factors; use only Samsung-approved chargers and cables; do not use any worn or damaged chargers or cables; incompatible charger or cable can cause serious injuries or damage to your device.

Figure 7: Super Fast Charging capability for the 5000 mAh battery.

Cleaning Your Device

To clean your phone, gently wipe the screen and back with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with distilled water or a screen cleaner specifically designed for electronics. Avoid using harsh chemicals or abrasive materials.

TROUBLESHOOTING

Common Issues and Solutions

- **Device Unresponsive:** If your device is frozen or unresponsive, press and hold the Power/Side key and Volume Down key simultaneously for more than 7 seconds to restart it.
- **Battery Draining Quickly:** Check background app usage, reduce screen brightness, disable unnecessary features like Wi-Fi or Bluetooth when not in use, and ensure you are using a genuine Samsung charger.
- **Slow Performance:** Clear cache, uninstall unused apps, and ensure your device software is up to date. Limited memory can sometimes cause sluggishness.

- **Connectivity Problems:** For Wi-Fi or Bluetooth issues, try toggling the respective settings off and on, or restart your phone. For cellular network issues, ensure your SIM card is properly inserted and contact your carrier if problems persist.

Data Security

The Galaxy A16 5G incorporates multi-layered Knox Security to help protect your personal data. Regularly update your software and use strong passwords or biometric authentication for enhanced security.



Figure 8: Knox Security helps manage personal data with confidence.

SPECIFICATIONS

Feature	Detail
Model Name	Galaxy A16
Model Number	SM-A166

Feature	Detail
Operating System	Android 14, One UI
Screen Size	6.7 Inches
Resolution	1880 x 2340
RAM Memory	4 GB
Internal Storage	128 GB
Expandable Storage	Up to 1.5TB (microSD, sold separately)
Battery Capacity	5000 mAh
Connectivity	5G, Bluetooth, Wi-Fi, USB Type C, NFC
Product Dimensions	6.47 x 3.07 x 0.31 inches
Item Weight	7.1 ounces (200 Grams)
Color	Light Gray



Measured diagonally, the screen size is 6.7" in the full rectangle and 6.5" accounting for the rounded corners. Actual viewable area is less due to the rounded corners and the camera cutout. The exact measurements of the device are given in millimeters.

Figure 9: Physical dimensions of the Galaxy A16 5G. Measured diagonally, the screen size is 6.7" in the full rectangle and 6.5" accounting for the rounded corners. Actual viewable area is less due to the rounded corners and the camera cutout. The exact measurements of the device are given in millimeters.

HEALTH INTEGRATION

The Galaxy A16 5G can be paired with devices like the Galaxy Fit3 to track health metrics such as steps, sleep, and heart rate. All data can be viewed and managed within the Samsung Health app.

The perfect pair for better health



Galaxy Fit3 | A16 5G

Products sold separately.

Figure 10: The Galaxy A16 5G paired with Galaxy Fit3 for health tracking. Products sold separately. The heart rate software functions are not intended for medical use.

SUPPORT AND WARRANTY

For technical assistance, warranty information, or service inquiries, please visit the official Samsung support website or contact Samsung customer service. Keep your proof of purchase for warranty claims.

Official Samsung Support: <https://www.samsung.com/us/support/>