Samsung G780F

Samsung Galaxy S20 FE G780F User Manual

Model: G780F

1. Introduction

This manual provides essential information for setting up, operating, and maintaining your Samsung Galaxy S20 FE G780F smartphone. Please read this manual carefully to ensure proper use and to maximize the device's features.
The Samsung Galaxy S20 FE G780F is designed to offer a premium smartphone experience with a focus on key features for everyday users, including a high-refresh-rate display, versatile camera system, and robust performance.

2. Setup

2.1. Package Contents

Ensure all items are present:

- Samsung Galaxy S20 FE G780F Smartphone
- Adapter (15W)
- USB-C Cable (not explicitly listed but implied for charging)
- SIM Ejection Pin (not explicitly listed but implied for SIM tray)

2.2. Inserting the SIM Card and MicroSD Card

1. Locate the SIM card tray on the top edge of the device.
2. Insert the SIM ejection pin into the small hole next to the tray to open it.
3. Place your Nano-SIM card(s) and/or microSD card into the tray with the gold contacts facing down. The device supports Dual SIM functionality and microSD cards up to 1TB.
4. Gently push the tray back into the slot until it clicks into place.

2.3. Powering On/Off

- To power on: Press and hold the Power/Side key until the Samsung logo appears.
- To power off: Press and hold the Power/Side key and Volume Down key simultaneously, then tap 'Power off'. Alternatively, swipe down from the top of the screen to open the Quick Panel, then tap the

Power icon and select 'Power off'.

3. Operating Instructions

3.1. Display

The device features a 6.5-inch Super AMOLED display with a resolution of 1080 x 2400 pixels. It supports a 120Hz refresh rate for smoother scrolling and animations. The display is protected by Corning Gorilla Glass 3.

3.2. User Interface (One UI 2.5 with Android 10)

The Galaxy S20 FE G780F runs on Samsung's One UI 2.5 based on Android 10, offering an intuitive and customizable experience.

- **Gesture Navigation:** Navigate the device using intuitive swipe gestures.
- **Dark Mode:** Enable system-wide dark mode for a comfortable viewing experience, especially in low light. This can be scheduled for specific times.
- **Edge Panels:** Access customizable shortcuts and useful tools by swiping from the edge of the screen.
- **Smart Pop-up View:** Allows apps to appear as floating bubbles for quick access to notifications and multitasking.
- **Game Launcher:** Organizes all your games in one place and provides gaming statistics.

3.3. Security

The device features an optical under-display fingerprint reader for secure and convenient unlocking. While not the fastest, it offers reliable performance.

3.4. Audio

The Galaxy S20 FE G780F is equipped with stereo speakers, providing a good loudness rating and clean sound with well-defined highs and decent lows. The earpiece acts as the second speaker in the stereo setup.

3.5. Performance

The 5G version of the Galaxy S20 FE G780F is powered by the flagship-grade Snapdragon 865 chipset, ensuring excellent performance for intensive tasks, gaming, and everyday use. The 4G version may come with either the Exynos 990 or Snapdragon 865, depending on the region. Performance is consistent with no significant throttling due to heat.

4. Camera Features

The Galaxy S20 FE G780F boasts a versatile triple-lens rear camera system and a high-resolution front camera.

4.1. Rear Cameras

- **Main Camera:** 12 MP, f/1.8, Dual Pixel AF, Optical Image Stabilization (OIS). Produces sharp, detailed, and noise-free photos in good lighting.
- **Ultrawide Camera:** 12 MP, f/2.2, fixed focus. Offers a wider field of view for landscapes and group shots.
- **Telephoto Camera:** 8 MP, 3x optical zoom, f/2.4, OIS. Provides clear zoomed-in shots.

4.2. Selfie Camera

The front-facing camera is 32 MP, capturing detailed images with pleasing skin tones and good dynamic range. Output resolution is typically 10MP or 6.5MP depending on the crop.

4.3. Photography Modes

- **Portrait Mode:** Creates a depth-of-field effect, blurring the background to highlight the subject.
- **Night Mode:** Enhances low-light photography, improving detail and reducing noise.

4.4. Video Recording

The device supports 4K video recording at 30fps across all cameras (main, ultrawide, telephoto) and 4K at 60fps with the main camera. Electronic stabilization is available in all modes and on all cameras, working effectively on the main camera.





Figure 1: Back view of the Samsung Galaxy S20 FE G780F, showcasing the triple camera module and matte finish.

5. Battery and Charging

The Galaxy S20 FE G780F is equipped with a 4500 mAh Lithium-Polymer battery, offering excellent endurance.

5.1. Wired Charging

The device supports fast wired charging up to 25W. It comes with a 15W adapter in the box, which can charge the phone to 37% in 30 minutes from empty.

5.2. Wireless Charging

15W wireless charging is supported. Additionally, the device features 4.5W reverse wireless charging, allowing you to charge other compatible devices by placing them on the back of your phone.

6. Maintenance

6.1. Water and Dust Resistance

The Galaxy S20 FE G780F is rated IP68 for water and dust resistance, meaning it can withstand immersion in up to 1.5 meters of water for up to 30 minutes. Ensure all ports are dry before charging.

6.2. General Care

- Keep your device clean and dry.
- Avoid exposing the device to extreme temperatures.
- Use only Samsung-approved chargers and accessories.

7. Troubleshooting

If you encounter issues with your device, try the following basic troubleshooting steps:

- **Restart the device:** A simple restart can resolve many minor software glitches.
- **Check for software updates:** Ensure your device's software is up to date to benefit from the latest bug fixes and performance improvements.
- **Clear app cache/data:** If a specific app is causing issues, try clearing its cache or data in the device settings.
- **Factory reset:** As a last resort, you can perform a factory reset. Back up all important data before proceeding, as this will erase all data on your device.

8. Specifications

Brand	Samsung
Model Name	Galaxy S20 FE G780F
Operating System	Android 10.0
CPU Model	Snapdragon 865 (5G version) / Exynos 990 or Snapdragon 865 (4G version)
RAM Memory Installed Size	6 GB
Memory Storage Capacity	128 GB
Flash Memory Supported Size Maximum	1024 GB (1TB microSD)
Screen Size	6.5 Inches Super AMOLED
Resolution	1080 x 2400 pixels
Refresh Rate	120 Hz
Rear Facing Camera Photo Sensor Resolution	12 MP (Main), 8 MP (Telephoto), 12 MP (Ultrawide)
Front Photo Sensor Resolution	32 MP
Battery Capacity	4500 Milliamp Hours
Water Resistance Level	IP68 (Waterproof)
SIM Card Slot Count	Dual SIM
Wireless Carrier	Unlocked
Cellular Technology	5G
Item Dimensions	6.29 x 0.33 x 2.93 inches
Item Weight	0.5 Kilograms

9. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your device

or visit the official Samsung website. This international version may not include a US warranty; please check with your retailer for specific warranty details.