Sonim xp5900

Sonim XP5 Plus XP5900 Rugged Phone User Manual

Model: XP5900

INTRODUCTION

The Sonim XP5 Plus is a rugged, purpose-built communication device designed for demanding environments. It combines cellular and radio-like capabilities, making it ideal for critical communications. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Sonim XP5 Plus.

PACKAGE CONTENTS

Verify that all items are present in your product package:

- Sonim XP5 Plus XP5900 Rugged Phone
- Power Adapter
- Lithium Ion Battery
- USB-C Cable
- Documentation (Quick Start Guide, Safety Information)

Image: The Sonim XP5 Plus phone, along with its included accessories: a battery, a wall charger adapter, and a USB-C cable. All components are individually packaged.

PRODUCT OVERVIEW

Familiarize yourself with the physical features and components of your Sonim XP5 Plus.

Image: Multiple views of the Sonim XP5 Plus phone. The front view shows the display and keypad, the back view shows the camera and speaker, and side views highlight the rugged design and side buttons.

Key Components:

- **Display:** 2.8-inch screen for clear visibility.
- **Keypad:** Physical buttons for dialing and navigation.
- **Push-to-Talk (PTT) Button:** Large, dedicated button for instant communication.
- **Volume Control Knobs:** Top-mounted for easy adjustment.
- **Camera:** Rear-facing camera for capturing images.
- **Speakers:** Dual 100db+ speakers with noise cancellation for clear audio.
- **Sonim SecureAudio Connector:** For secure accessory connections.
- **USB-C Port:** For charging and data transfer.

SETUP

1. Battery Installation

1. Locate the battery compartment cover on the back of the phone.
2. Carefully remove the cover.
3. Insert the Lithium Ion battery, aligning the gold contacts with the terminals in the phone.
4. Replace the battery compartment cover, ensuring it is securely latched to maintain waterproofing.

2. SIM Card and MicroSD Card Installation

1. With the battery removed, locate the SIM card slot(s) and microSD card slot. The phone supports Dual 4FF Nano SIM cards and up to 512GB microSD.
2. Insert your Nano SIM card(s) into the designated slot(s) with the gold contacts facing down.
3. If using, insert a microSD card into its slot until it clicks into place.
4. Reinstall the battery and battery cover.

3. Initial Charging

1. Connect the USB-C cable to the phone's charging port.
2. Connect the other end of the USB-C cable to the provided Power Adapter.
3. Plug the Power Adapter into a wall outlet.
4. Allow the phone to charge completely before first use. A full charge takes approximately 2 hours.

OPERATING INSTRUCTIONS

Power On/Off

- **To Power On:** Press and hold the Power button until the Sonim logo appears.
- **To Power Off:** Press and hold the Power button, then select "Power Off" from the options on the screen.

Making Calls

1. From the home screen, use the keypad to dial the desired number.
2. Press the green Call button to initiate the call.
3. To end a call, press the red End Call button.

Push-to-Talk (PTT) Functionality

The Sonim XP5 Plus features enhanced PTT capabilities for instant communication.

- **Dedicated PTT Button:** Press and hold the large PTT button on the side of the device to transmit your voice. Release to listen.
- **Channel Select Knob:** Use the top-mounted knob to quickly switch between communication channels without looking at the screen.
- **Volume Control Knob:** Adjust the speaker volume using the other top-mounted knob.

Image: A close-up front view of the Sonim XP5 Plus, highlighting the screen interface, the physical keypad, and the two rotary knobs located at the top of the device for channel and volume control.

Messaging

To send and receive text messages:

1. Navigate to the Messaging application from the main menu.
2. Select "New Message" and enter the recipient's number or select from contacts.
3. Type your message using the keypad.
4. Press the Send button.

MAINTENANCE

Cleaning Your Device

- Use a soft, damp cloth to wipe down the exterior of the phone.
- Avoid using harsh chemicals or abrasive cleaners.
- Ensure all ports and covers are securely closed before cleaning with moisture.

Waterproofing Care

The Sonim XP5 Plus is designed to be waterproof. To maintain its integrity:

- Always ensure the battery cover and all port covers (e.g., USB-C port) are firmly sealed before exposing the phone to water or dust.
- Do not submerge the phone in water deeper or for longer than specified in the product specifications.
- If the phone has been exposed to saltwater, rinse it thoroughly with fresh water and dry it completely before charging or opening any covers.

Battery Care

- Use only Sonim-approved chargers and batteries.
- Avoid exposing the battery to extreme temperatures.
- Do not puncture, disassemble, or short-circuit the battery.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Phone does not power on.	Battery may be depleted. Charge the phone for at least 30 minutes. Ensure battery is correctly installed.
Cannot make or receive calls.	Check network signal strength. Ensure SIM card is properly inserted and activated. Contact your service provider.
Poor audio quality during calls.	Check volume settings. Ensure speakers/microphone are not obstructed. Move to an area with better network coverage.
Phone is unresponsive.	Perform a soft reset by removing and reinserting the battery. If issue persists, contact support.
Battery drains quickly.	Reduce screen brightness. Close unused applications. Limit background data usage.

SPECIFICATIONS

Feature	Detail
Model Name	XP5plus (XP5900)

Feature	Detail
Brand	Sonim
Operating System	Proprietary (optimized for rugged use)
Display Size	2.8 Inches
Resolution	240 x 320
RAM Memory	2 GB
Memory Storage Capacity	512 GB (expandable via microSD)
Battery Capacity	3500 Milliamp Hours
Talk Time	30 Hours
Charging Time	2 Hours
Wireless Technologies	Cellular (5G), Wireless
SIM Type	Dual 4FF Nano SIM
Special Features	Push to Talk, Military Grade Ruggedness (MIL-STD-810H), Non-Incendive Class I, II and III Div 2 ratings, 100db+ speakers with Goodix Echo and Noise Cancellation Technology, Sonim SecureAudio Connector
Dimensions (Package)	7.5 x 3.5 x 2 inches
Item Weight	10 ounces
Color	Black

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Sonim website. For technical support, product registration, or service inquiries, please contact Sonim customer service through their official channels.

Online Support: www.sonimtech.com/support

Related Documents - xp5900

	[Sonim XP5plus User Guide - Rugged PTT Mobile Phone Manual](#) Comprehensive user guide for the Sonim XP5plus (XP5900) rugged PTT mobile phone. Learn about setup, features, settings, safety, and support from Sonim Technologies.
	[Sonim XP5plus User Guide](#) Comprehensive user guide for the Sonim XP5plus mobile phone, covering setup, features, settings, and safety information.
	[Sonim XP3 User Guide](#) Comprehensive user guide for the Sonim XP3 (XP3800) mobile phone, covering setup, features, safety guidelines, battery usage, and troubleshooting.
	[Sonim XP3 Quick Start Guide: Setup, Features, and Support](#) Get started with your Sonim XP3 rugged phone. This guide covers SIM card insertion, battery setup, Wi-Fi connection, making calls, using SecureAudio, Sonim SCOUT, warranty, and support.
	[Sonim XP8 User Guide](#) This user guide provides detailed instructions and information for the Sonim XP8 (XP8800) rugged LTE smartphone. Learn about setup, features, safety, and support from Sonim Technologies.
	[Sonim XP3plus 5G User Guide](#) Comprehensive user guide for the Sonim XP3plus 5G rugged flip phone, detailing setup, features, settings, and support. Includes information on its IP68 and MIL-STD-810H durability. Model X320, compatible with AT&T.