

# WiseConnect

Your trusted cellular companion.



# About

WiseConnect is a smartphone-based device that connects only to high-quality cellular base stations. The device uses a state-of-the-art algorithm to analyze connection attempts in real-time and avoids connecting to base stations that offer low-quality service.

This ensures a better cellular experience and reduces the risk of connecting to suspicious base stations that could eavesdrop on user communications.

# Features

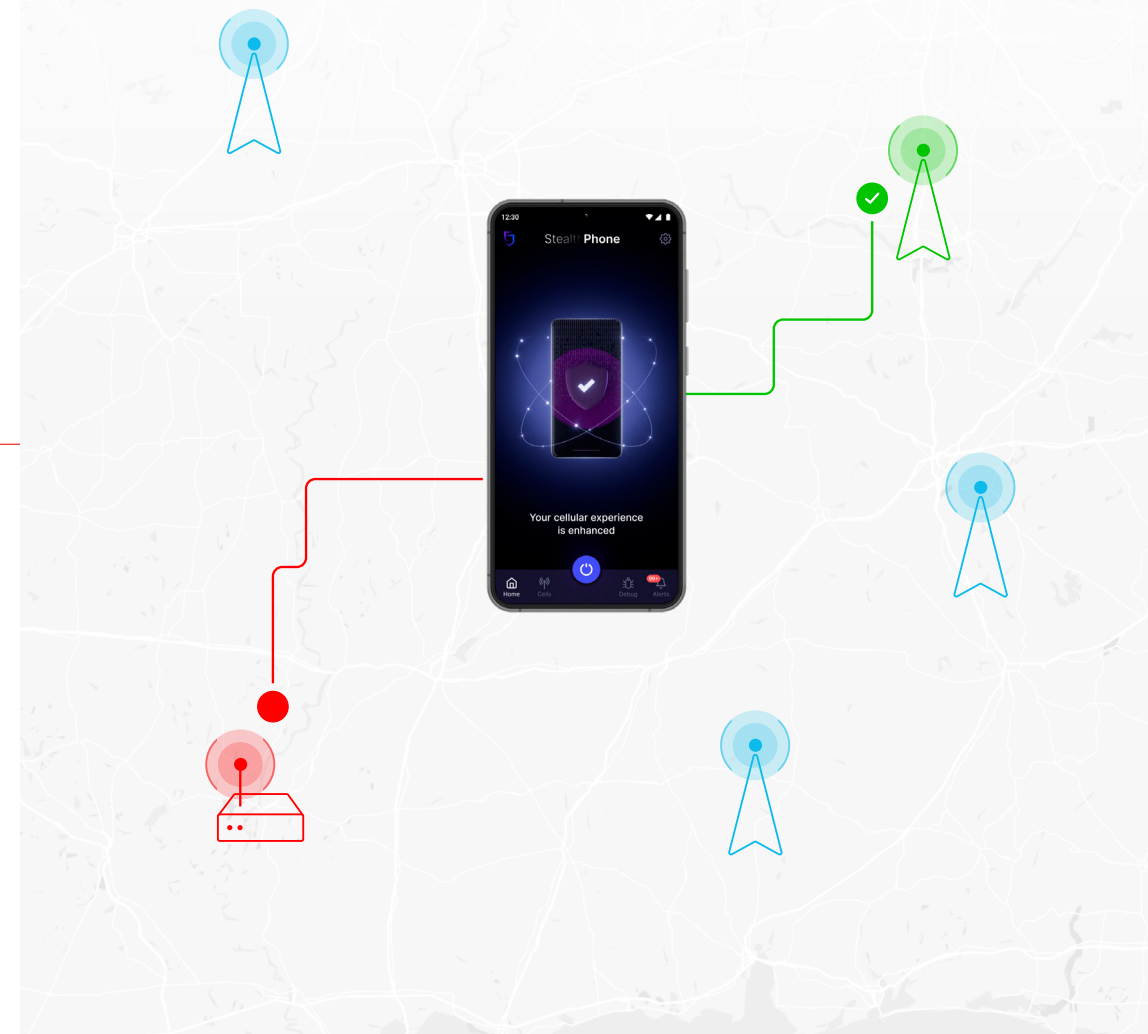
- Prevents connections to base stations offering low-quality service while maintaining uninterrupted cellular connectivity.
- Supports latest cellular technologies: 2G / 3G / 4G / 5G-NSA / 5G-SA.
- Dual SIM support.
- Prevents leaking private identifiers, such as IMSI and IMEI, to low-quality service base stations.
- Available on the latest Samsung Galaxy S23 smartphone lineup.
- Efficient implementation that has minimal impact on battery life.

# How it works

WiseConnect intelligently avoids base stations providing degraded Quality of Service (QoS). The reasons for avoiding a base station include:

- Poor network characteristics, such as high latency, jitter, packet loss.
- Base stations with configuration parameters significantly deviating from the ones deployed by the network provider (for example, virtual BTS or privately installed BTS).
- Rogue BTS, such as IMSI catchers.


Upon detecting a connection attempt to a base station offering degraded QoS, WiseConnect promptly detects and blocks the attempt before any exchange of network identifiers, such as IMSI or IMEI, takes place. This ensures avoiding connections to base stations providing low-quality service while maintaining the security of user identifier data.



# Technical specifications

Supported bands	Band configuration - International	Band configuration - US
<b>GSM:</b>	850/900/1800/1900 MHz	850 / 900 / 1800 / 1900 Mhz
<b>UMTS</b>	850 / 900 / 1700 / 1900 / 2100 Mhz	850 / 900 / 1700 / 1900 / 2100 Mhz
<b>LTE :</b>	1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 25, 26, 28, 32, 38, 39, 40, 41, 66	1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 18, 29, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41, 46, 48, 66, 71
<b>5G-NR:</b>	1, 2, 3, 5, 7, 8, 12, 20, 25, 28, 38, 40, 41, 66, 75, 77, 78	1, 7, 28, 41, 66, 71, 78, 258, 260, 261

WiseConnect relies on specific hardware and is exclusively designed for the following device models:




**SAMSUNG S23**

**Dimensions**  
146.3 × 70.9 × 7.6 mm

**Weight**  
168g

**Battery capacity**  
3900 mAh




**SAMSUNG S23+**

**Dimensions**  
157.8 × 76.2 × 7.6 mm

**Weight**  
196g

**Battery capacity**  
4700 mAh



**SAMSUNG S23 ULTRA**

**Dimensions**  
163.4 × 78.1 × 8.9 mm

**Weight**  
234g

**Battery capacity**  
5000 mAh



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