



 **HELIXOS[®]**

ADVANCED ENCRYPTED & SECURE OPERATING SYSTEM

HELIX MULTI-LAYERED ENCRYPTED COMMUNICATIONS



ADVANCED ENCRYPTED
& SECURE OS



MULTI LAYERED ENCRYPTED
COMMUNICATIONS

Developed by the HELIX team, HELIX OS™ transforms an Android mobile phone into an unbreakable communications device using a custom encrypted operating system and using HELIX OS™ multi layered advanced encryption for communications.

HELIX OS™ Servers

HELIX uses encrypted packets of data for transmitting voice and messages across our statically located relays servers that are based in countries that have the strictest privacy laws in the world, preventing any outside parties any access. No voice or data is stored anywhere on our network making our service totally anonymous.

HELIX OS™ Custom Encrypted Operating System

HELIX has designed a fully secure custom encrypted operating system that replaces the stock android version that all androids come with by default. The stock version is full of insecure applications stealing sensitive data and providing your location to third parties without you being able to detect this on a daily basis.

HELIX OS™ Device overview

- ☞ End to End Encryption
- ☞ Encrypted Crystal Clear Voice Calls
- ☞ Encrypted Instant Messaging
- ☞ Encrypted Picture Messaging
- ☞ Encrypted Videos
- ☞ Encrypted Group Chats

HELIX OS™ Communication Security overview

HELIX utilises multi-layered advanced encryption algorithms. A new secure key is generated at the beginning of each call or message and is destroyed straight after, making it impossible for back doors to exist. All voice calls and messaging communications travel through our closed secure encrypted gateway making it invisible to the network providers also preventing all major vulnerabilities.

Encryption Algorithm Specification

- ☞ Elliptic-curve Diffie-Hellman (ECDH) 571 bits key exchange level (default)
- ☞ DH (Diffie Hellman) 8192 bits key exchange level
- ☞ Encryption AES 256 bits in GCM mode
- ☞ Hash function SHA512
- ☞ Authentication: Built-in Public Key Infrastructure (PKI) system, certificate based authentication

HELIX OS™ Vault

By engineering, the hardware and the software of the device and disabling the insecure phone features i.e. Standard Calls, SMS, Browsing, Bluetooth, Uploads, Downloads, GPS, locations, Camera, and SOS feature, this provides an impenetrable VAULT clear of Viruses, and prevention of Spyware, Trojans & Ransomware.

HELIX OS™ Forensic Wipe Features

Panic wipe feature: When the phone is locked you can set a panic code to be entered from the home screen. This is an emergency panic code that will immediately forensically wipe all data on the device.

Password wipe feature: When the phone is locked there are a limited number of password attempts set. If you enter the password incorrectly more than the set number of selected times it will immediately forensically wipe all data on the device.

Remote wipe feature: At any point if a client requires, we can remotely wipe their device from any where in the world as long as the phone has signal and is switched on or when the phone is switched back on, it will immediately forensically wipe all data on the device.

WiFi

Our devices enable you to use WiFi safely when required, the network provider is not alerted that you're using an encrypted phone like a lot of the other secure phones on the market, HELIX-OS phone looks like a normal phone and does not stand out to cause suspicion. Also, all downloads and uploads are disabled from the device making it impossible for any spyware or firmware to be injected into the phone over the wifi network.

Sim Card

You can install your own sim card of choice whether its a pay as you go sim card or a contract sim card as long it has data on the sim, giving you a lot more freedom and more security than having a pre-paid sim provided with the handset.

HELIX OS™ Secure notes

Secure notes is a custom encrypted secure notes application which was designed to give you the option to be able to store your sensitive information securely. If the incorrect password is entered more than the set amount of times, all data in the notes app will be erased forensically, and impossible to be retrieved. The app is encrypted using AES-256 Bit encryption.

Why choose HELIX OS™

- ☞ No identification is required for purchase
- ☞ No hardware or data plan is registered to you
- ☞ No payment can be linked to a client or their device
- ☞ No calls or messages are stored anywhere on our network
- ☞ No backdoors exist

Product includes

- ☞ 1 x Encrypted Samsung device
- ☞ 1 x 6/12 month subscription to our service
- ☞ 1 x Carry Pouch
- ☞ 1 x Screen Protector
- ☞ 1 x Clear Mobile Phone Case
- ☞ 1x 24hr support token for your licence term



HELIX OS™ Provides An Impenetrable Vault Against All Major Threats