

# ReliaSpeak™ MEC520 Mobile Communication Encryptor



ReliaSpeak™ MEC520 Mobile Communication Encryptor is a hardware encryption device that can effectively protect users' mobile call security. Based on ReliaSpeak's world-leading AMSI digital modulation technology and 100% digital voice encryption technology, MEC520 achieves end-to-end encrypted calls over the GSM/WCDMA voice channel, and supports for encrypted communication with ReliaSpeak™ Crypto Phone and ReliaSpeak™ Landline Encryptor.

Following the low-sensitivity design concept, there is no keyboard and screen for MEC520. It is used as an accessory device for iPhone or Android mobile phones. Settings and the encrypted calls' calling/answering are all operated by a special APP via Bluetooth. All these designs make many advantages such as small size, convenient carrying, concealed using, etc.

## Main Features

- As an accessory device for iPhone or Android phones, MEC520 needs an independent SIM card.
- Supports encrypted calls over GSM, WCDMA/UMTS cellular network\* .
- With encrypted SMS function.
- Encrypted calls are not restricted by carriers and regions.
- Supports encrypted communication with ReliaSpeak™ Crypto Phone and ReliaSpeak™ Landline Encryptor.
- Low sensitivity design, card size, convenient and concealed carrying .

## The most reliable calls privacy protection

Protecting against any form of line eavesdropping

- 100% digital voice encryption technology, without any understanding residues.
- ECDH key exchange, AES-256, CTR mode cryptographic algorithm, real-time secret key replacement is up to 5 times per second.
- End-to-end voice encryption communication that does not rely on carriers or thirty-party security services.

## Compatible with the ReliaSpeak™ Landline Encryptor

Make encrypted communication between landline and mobile phone possible



## Easy to use

Uses ReliaSpeak eCalls App to make/answer encrypted calls

- Inserts the SIM card into the MEC520; installs the ReliaSpeak™ eCalls app in a regular smartphone and connect to the MEC520 through Bluetooth.
- Operates the eCalls APP to dial the number of the remote MEC520.
- The remote user operates the eCalls to answer the incoming call, and the two parties of MEC520 will start to establish a secure link automatically.
- After the secure link established, users can start talking in encrypted mode. If the secure link cannot be established, the calls will be hanged up directly

## Use MEC520, Activate your exclusive security number

Separates normal/encrypted calls, make encrypted calls invisible

- Equivalent to a dedicated secure phone, using an independent number.
- Only encrypted calls are supported, and clear calls are automatically hanged up to ensure separation of normal and encrypted calls.
- Calling/Answering of encrypted calls is operated by APP, without direct operation of the device. The encrypted call process is hidden, that makes you calm and natural in any situation.

## Specifications

Network	3G: 900/2100 2G: 850/900/1900/2100
Voice Encrypted algorithm	AES 256 , CTR mode
Key exchange algorithm	ECDH
coding bit rate of encrypted speech	1.2kbps
Encrypted SMS	Support
App communication	Bluetooth 4.0 BLE
Dimension	84 X 55 X 14mm
Battery	1200mAh
Endurance	Calls: 2h, Standby: 24h
eCalls App OS support	iOS 9.0/10/11/12 Android 5.0 or higher

\* It is recommended to choose a carrier that supports WCDMA/UMTS network as a priority.