

DENCRYPT TALK ENCRYPTED MOBILE COMMUNICATION

Dencrypt Talk protects your smartphone conversations with state-of-theart Dynamic Encryption – the best protection against non-secure digital infrastructure like Wi-Fi hotspots, mobile networks, satellite links etc. The user-friendly app requires no special hardware.

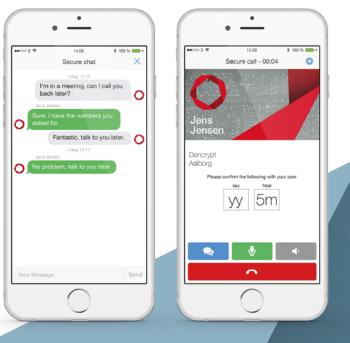
DENCRYPT TALK OFFERS:



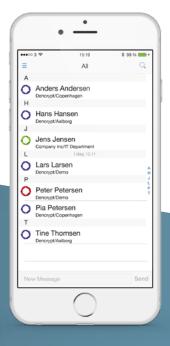
FEATURE SET

- » End-to-end encrypted voice calls via Voice over IP (VoIP)
- » Encrypted live chat
- » Encrypted group call» Secure call setup via a
- dedicated SIP server
- » iOS CallKit integration
- » High audio quality
- » Secure individual phone book
- » Centrally managed
- » Pushed seamlessly to user devices
- » Supports individual groups settings
- » Individual ring tones

- » In-call functionality: mute, speaker
- » Seamless over-the-air SW updates
- Connectivity on all cellular and wireless networks, including:
 - » GSM/EDGE,
 - WCDMA,HSPA, LTE, Wi-Fi
- » Major mobile platforms supported
- » iOS and Android
- » Windows phone (on request)
 - Common Criteria certified (ISO 15408)



	13.09	\$ 100 % ■ +
Jens Jensen		
Jensen ⑦ History ☆ Favourites	â	200
🚔 Ali		
Dencrypt		
🚔 Aalborg		
	n	
🛔 Copenhage		
Copennage Demo		
	n	





DENCRYPT SECURE TALK TECHNICAL SPECIFICATIONS

Voice & data encryption

Secure end-to-end encrypted voice communication and chat using Dynamic Encryption, ensures that each call session is encrypted with a randomly chosen algorithm and a randomly chosen key.

- » Dynamic encryption of voice data implemented as multiple layers of encryption optimized for voice data over the SRTP protocol:
 - » 2 x 128-bit whitening keys as an additional layer to a standard AES-256 encryption.
 - » 128-bit key dynamic encryption for defining an additional AES round with randomly chosen S-boxes.
 - » Patent pending: PCT/EP2012/071314.
- » 3072 bit Diffie-Hellman function for key exchange over the zRTP protocol.
- » SAS: four-letter readout based on key authentication .
- » Encryption key and algorithm are established at call setup and deleted as soon as call is terminated.
- » Random number generation using a Yarrow algorithm on iOS.

Two-way authentication

Client and server authentication and registration for call setup and user account management:

» SIP Secure + TLS1.2 using AES-256-GCM for data protection and ECDHE-RSA for key exchange using a 4096 bit certificate for server authentication and a 3072 bit certificate for client authentication.

Connectivity

Voice-over-IP calls and chat over all cellular, wireless and satellite networks, including GSM/EDGE, WCDMA/HSPA, LTE/LTE-A, Wi-Fi.

Audio

- » Adaptive audio quality based on current network conditions.
- » Constant bit-rate SPEEX voice codec for optimal security and voice quality.
- » Polyphonic ringtones.

Performance

- » Same as or better voice quality than non-encrypted voice-over-IP calls. Encryption does not introduce an audible delay or voice quality degradation.
- » Fast call setup time and high reliability.
- » iOS CallKit integration for improved usability.

Supported platforms

- » iOS 10.0 and later.
- » Android 4.x (Jelly Bean) and later.

Local Dencrypt Server System

» The Dencrypt Server System (required for Dencrypt Talk) can either be installed and operated locally or used as a hosted service managed by Dencrypt.

Dencrypt A/S Arnold Nielsens Boulevard 72-74, 1. Sal 2650 Hvidovre DENMARK

+45 7211 7911 info@dencrypt.dk www.dencrypt.dk