

Bittium

Bittium Secure Call™ Secure Voice, Video and Messaging Application



Bittium Secure Call™ is a quantum-safe voice, video, and messaging application with end-to-end encryption. The communication application is designed for government, enterprise, and other professional users with stringent information security needs.

Secure Call is a multi-platform solution for Android™, iOS, and Microsoft Windows, supporting deployment in commercial and private networks with no dependency on public internet or cloud services. It can be deployed and fully managed by the user organization.

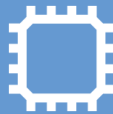
Complement Secure Call with Bittium SafeMove® for secure device management and an additional VPN layer to provide multi-layered encryption for secure communication.

FOR MORE INFORMATION, PLEASE CONTACT:
salesglobal1@bittium.com



End-to-end security

Strong quantum-safe end-to-end encryption. Supports multi-layered encryption with Bittium SafeMove® Mobile VPN.



Rich feature set

Supports Android, iOS, and Microsoft Windows for chat, calls, attachments, group calls, video calls, group video calls, and burn-on-read messages.



Centralized contact directory

Trusted communications with validated contacts only.



Easy to install

Secure Call client can be provisioned remotely to devices with Bittium SafeMove® or to 3rd party EMM solutions



On-premises delivery

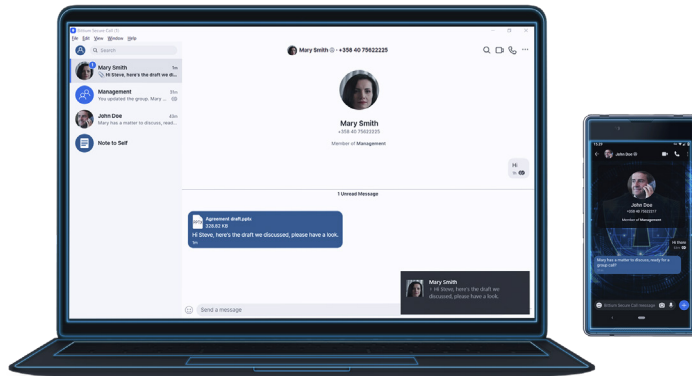
Secure Call can be installed on customer premises. Perfect solution for private networks.



Governmental-grade security

NATO RESTRICTED approval as part of Bittium Tough Mobile 2 C communication solution

Bittium Secure Call™ Specifications



End-to-end encryption for all comms

- › One-to-one & group chats
- › One-to-one & video calls
- › Conference/group calls
- › Attachments

Easy group creation

- › Group admin defines permissions (sending, editing the group, ...)
- › Adding group to group
- › Announcement (broadcasting) group support
- › Timed group deletion
- › Possibility to remove conversation history when removing users from a group
- › Adhoc meetings without group creation

Wide feature support

- › No dependency on external internet or cloud services. No ads, no trackers.
- › Registration methods: email or phone number
- › Possibility to delete/edit sent messages
- › Disappearing messages support (messages burn-on-read after a pre-set time)
- › Message acknowledgements and classification
- › Possibility to revoke users from the system

Windows desktop application

- › Can be linked with Android/iOS device. Messages and calls are synchronized with both.
- › Can be used as a standalone Windows client
- › Screen sharing support
- › Supports printing conversations for archiving purposes
- › Guest users can be added to organize meetings with persons outside of the organization in a secure way
- › Presence status to indicate contact availability

Centralized contact directory

- › Managed by user organization
- › Contact directory is not synchronized with end device native address book
- › Possibility to integrate with enterprise contact directories
- › Option to hide a selected users/ organizations
- › Restricted group visibility: Possibility to hide entire groups from the centralized contact directory

Android app protection

- › Application lock: application access can be configured to require device authentication after a timeout
- › Screen capture prevention

Security & technical enablers

- › Calls: Setup and authentication secured with Signal protocol. SRTP/AES-256 encryption, ML-KEM. WebRTC compliant. DTLS key exchange.
- › Messages: Signal protocol, ML-KEM, Curve25519, AES-256, and HMAC-SHA256 as primitives. Ephemeral encryption keys, perfect forward secrecy utilizing ML-KEM.
- › Audio: Uses Opus codec. For security, constant bitrate is selected based on the network performance of participating devices. High quality audio starting from 8 kb/s.

Scalable server infrastructure

- › Can be installed and operated on the same standard, Linux based server platform with SafeMove® server
- › For scalable systems servers can run in the cloud
- › High availability to ensure seamless operational performance