

REDCOM® SIGMA® CLIENT

Command & Control app with voice, video, & chat for Windows® & Android™

REDCOM Sigma Client is a C2 softphone for Windows and Android devices with robust voice, video, and chat support. When coupled with the REDCOM Sigma® C2 software platform, the REDCOM Sigma Client delivers unique and powerful features with an easy-to-use interface for users at the tactical edge and DIL environments.



Secure communications

Protect critical communications with powerful 2048-bit RSA encryption for voice, video, and chat.



Built on open standards

As a SIP-based softphone, REDCOM Sigma Client is interoperable with industry-standard devices. Extend the value of REDCOM Sigma C2 software by bringing the power of unified communications to your PC or mobile device.



Integrated push-to-talk (PTT)

Built-in push-to-talk technology enables the REDCOM Sigma Client app to key a radio in the network. The PTT function can also mute/unmute communications, ideal for noisy environments.



Full MLPP support

REDCOM Sigma Client features support for industry-standard Multi-Level Precedence and Preemption (MLPP), including call forwarding and call transfer, to ensure that the most important calls get through during crisis situations.



Dual registration for survivability

REDCOM Sigma Client supports true dual registration to two independent SIP servers.



Intuitive user interface

The client's user interface focuses on human ergonomics for maximum efficiency. On Windows®, chat panels can be resized and rearranged to fit the needs of each individual user, and unused panels (such as the dialer or contact details) can be hidden to maximize the space available for chat sessions.



Chat designed for the tactical edge

REDCOM Sigma Client for Windows® supports unified chat via both XMPP and IRC protocols, so users no longer have to switch between different chat clients. Operational tempo is enhanced with the ability to send images and attachments directly in chat, reducing the need for email.



REDCOM®

RESEARCH, ENGINEERING, & DEVELOPMENT IN COMMUNICATIONS

REDCOM Sigma Client Features

GENERAL

- True dual registration to two independent SIP servers
- Call duration
- Call forwarding with MLPP
- Call transfer with MLPP
- Call hold
- Call history (view & delete)
- Call recording
- Caller identity
- Calling number delivery
- Three-way calling
- Missed call notifications
- Attended transfer
- Blind transfer
- Support for ICE (RFC 5245) for SIP
- Noise suppression
- Echo cancellation (device dependent)
- Provisioning via configuration file
- Integrates with your device's contact list
- Dial plan rules
- Auto start on startup
- RFC 2833: DTMF for IP networks
- Push-to-talk (PTT)¹
- Emergency call handling by native Android™ dialer
- Voice Mail message management

ENHANCED CHAT

- Support for both XMPP and IRC²
- Text formatting toolbar
- Attach files and images
- Chat History
- Urgent Message tag
- Federated Chat
- Advanced Chats panel
 - View multiple chat sessions simultaneously³
 - Easily rearrange and resize chat windows³
 - Users can close Dialer and Contact Details panels to make more room for the Chats panel³
 - User-defined keyword identification for room owners and participants

UNIFIED COMMUNICATIONS

- Real-time voice
- Point-to-point video
- Screen sharing³
- XMPP support, including:
 - Presence
 - One-to-one chats

SUPPORTED AUDIO CODECS

- G.711 (A-law and μ -law)
- G.722
- G.729
- Opus
- Speex

SUPPORTED VIDEO CODECS

- H.264

SECURITY

- Call encryption (TLS/SRTP)
- Mutual authentication

REAL-TIME NETWORK/ PERFORMANCE TROUBLESHOOTING

- Codec/frequency
- Local & remote IP/port
- Bandwidth usage
- Loss rate
- FEC decoding packet count
- Discarded packet count
- Jitter buffer status

SYSTEM REQUIREMENTS

- Google Android™
 - Android 10.0 or newer
- Microsoft® Windows®
 - Runs on a standard Windows® 10 or Windows® 11 PC (64 bit)
 - Processor: dual/quad core (x64)
 - Memory: 4GB RAM
 - LAN Interface: 10/100/1000 Mb Ethernet



The Secure Client is not tested with third party call controllers, and many features and functions require REDCOM Sigma®.

¹ To take full advantage of PTT features, we recommend connecting through REDCOM Sigma. Contact REDCOM for more information.

² Requires REDCOM Sigma software to act as an IRC gateway.

³ These features are only available on the Windows version of Sigma Client

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com).

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