# GS-Wave
## Softphone for Android and iOS

**Grandstream**
Innovative IP Voice & Video



## GS-Wave

GS-Wave is a robust softphone application that allows users to make and receive voice calls through their business or residential SIP accounts on any Android (and soon iOS) devices. This application supports integration of up to 6 SIP accounts, 6-way voice conferencing, and allows users to monitor their PBX while utilizing speed dial with up to 24 virtual BLF keys. GS-Wave also supports advanced SIP telephony features including call transfer, shared call appearance (SCA), call recording, LDAP phonebook integration and more. With GS-Wave, business and residential users always have access to their SIP lines and can easily keep in touch with business or personal contacts without using expensive cellular data plans.

## Feature Highlights

- Support Android™ 4.0+ (and soon iOS 5.0+)

- Standard SIP-based softphone with exceptional voice quality

- Strong security features including SIP over TLS and 128 or 256-bit SRTP

- Supports 6 SIP accounts, up to 6-way audio conerence and 24 virtual BLF keys

- Native integration with mobile devices including contact, call history and ringtones.

- Enterprise features including IPPBX integration, BLF/SCA, call transfer/pickup, call recording, LDAP

- Automatic call forwarding based on time and location rules

- Support G.711, G.726, G.722, iLBC, Opus and Speex

- Powerful NAT traversal options including automatic NAT discovery, STUN/ICE and UPnP

- Automatic provisioning including XML provisioning and 2-D barcode scan

- Fully customizable skins and themes for optional branding needs

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| **Protocols / Standards** | SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, DNS (A record, SRV, NAPTR), STUN/ICE, SIMPLE, LDAP, TLS, SRTP, IPv6 (pending) |
| **Network** | Support 3G/4G or Wi-Fi smart connection |
| **Display** | 800x480 resolution or above |
| **Bluetooth** | Yes, with mobile device's Bluetooth support |
| **Voice Codecs and Capabilities** | G.711µ/a, G.722 (wide-band), G.726-32, iLBC, Opus, Speex |
| **DTMF** | In audio, RFC2833, SIP INFO |
| **High Audio Quality** | Full-duplex speaker, AEC, AGC, Noise Reduction, PLC, Adaptive JIB |
| **Telephony Features** | Hold, transfer, forward (unconditional/no-answer/busy), call park/pickup, 6-way audio conference, paging, DND, shared-call-appearance (SCA) / bridged-line-appearance (BLA), BLF, downloadable phone book, call waiting, Voicemail with MWI, flexible dial plan, personalized music ringtones, server redundancy & fail-over |
| **IP PBX Integration** | Feature code synchronization, call recoding, conference room management |
| **Mobile Device Integration** | Supports background mode, proximity sensor for in-call touch screen and keys lock, auto rotation, GPS location based call forward |
| **Enterprise Features** | LDAP, UC, IM, Presence |
| **QoS** | Layer 3 (ToS, DiffServ, MPLS) QoS |
| **Multi-Language** | English, German, Italian, French, Spanish, Portuguese, Russian, Chinese (Traditional and Simplified), Korean, Japanese, Arabic, Polish and more |
| **Security** | Support AES encrypted configuration file, SIP over TLS, SRTP (128-bit and 256-bit), HTTPS |
| **Themes and Skins** | Downloadable and customizable (pending) |
| **Upgrade/Provisioning** | Available from Google Play Store and Apple App Store<br>Support mass provisioning using AES encrypted XML configuration file |