



## Wave App

### Connect Anywhere at Anytime

Wave is a mobile and web app that provides remote voice and video collaboration tools for businesses utilizing Grandstream's UCM6300 series IP PBXs. Ideal for remote workers, Wave offers an easy-to-use platform to remotely join, schedule and hold meetings, calls and conferences from anywhere. It also allows UCM6300 series users to directly call other extensions, landlines, and mobile numbers. Wave is free, available for Android and iOS devices as well as PC/Mac and can be quickly configured by scanning a barcode produced by the UCM6300 series. It pairs with Grandstream's UCM RemoteConnect cloud service, which ensures a fully secure connection between Wave and the UCM6300 series by providing automated NAT Traversal. Thanks to Wave, businesses can provide remote workers with a powerful mobile and desktop tool to meet and collaborate from anywhere, boosting productivity for dispersed organizations and remote workers.



Supports Android & iOS devices; Chrome and Firefox browsers



Remotely join meetings, calls and conferences



Compatible with Wi-Fi and 2G/3G/4G networks



Allows UCM6300 series users to call other extensions, landlines & mobile numbers



Schedule and start meetings from the app



Supports PC and mobile built-in cameras & USB webcams



Supports video resolutions up to 1080p HD



Provides HD audio for crystal-clear meetings and calls



Supports use with Bluetooth, USB and other headsets



Download app & scan QR code from UCM6300 series to configure



Compatible with UCM RemoteConnect cloud service for secure remote connections

## Wave Mobile app

## Wave Web

<b>Protocols/Standards</b>	SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, DNS (A record, SRV, NAPTR), STUN/TURN/ICE, SIMPLE, LDAP, TLS, SRTP, IPv6	
<b>Network</b>	Wi-Fi, 2G/3G/4G	Network connection provided by PC
<b>Compatibility</b>	Android and iOS devices (Google Play Store & Apple App Store)	Firefox and Chrome browsers for PC & Mac (Web-RTC)
<b>Video Streaming Resolution</b>	720p or above	Up to 1080p
<b>Camera</b>	Supports mobile device's front and rear cameras	Supports built-in webcams, USB webcams (including Grandstream GUV series), etc.
<b>Headset</b>	Supports mobile device's Bluetooth connection, 2.5mm & 3.5mm headsets	Supports USB, Bluetooth, 2.5mm and 3.5mm headsets
<b>Bluetooth</b>	Supports Bluetooth functionality of mobile devices, computers and laptops	
<b>Voice Codex and Capabilities</b>	Opus, G.711 A-law/U-law, G.722, G.726-32, G.729A/B, iLBC, GSM, NACK	Opus, G.711 A-law/U-law, G.722, G722.1 G722.1C, G.723.1 5.3K/6.3K, G.726-32, G.729A/B, iLBC, GSM, NetEQ, FEC 2.0, NACK
<b>DTMF</b>	In-audio, RFC2833, SIP INFO	
<b>High Audio Quality</b>	Full-duplex speaker, AEC, AGC, Noise Reduction, PLC, Adaptive JIB	
<b>Video Codex and Capabilities</b>	H.264 Video resolution up to 1080P HD, on-screen-display, camera block, GS-FEC	H.264, H.263, H.263+, VP8 Video resolution up to 1080P HD, on-screen-display, camera block, GS-FEC
<b>Video Layout</b> <i>(for Wave web)</i>	Supports focused and tiled screen layout - Default 4 video screens (1 up to 1080P) and 1 screen sharing (1080P) - Up to 9 video screens (1 up to 1080P) and 1 screen sharing (1080P)	
<b>Meeting/Conference Control</b>	Invite participants with contacts, links or QR code, remove a participant, mute participants, lock meeting	
<b>Telephony Features</b>	Hold, audio conference, video conference, transfer, call history, contacts	Hold, call forward, audio conference, video conference, call history, DND, ring simultaneously, time schedule, call wakeup, SCA, BLF, call follow me, call record files, CDR, CRM, schedule meeting, contacts
<b>UCM Integration</b>	Feature code synchronization, call recording, transfer, conference room, voicemail	
<b>Mobile Device Integration</b> <i>(for Wave mobile)</i>	Supports background mode, proximity sensor for in-call touch screen and keys lock	
<b>QoS</b>	Layer 3 (ToS, DiffServ, MPLS) QoS	Layer 2 QoS (802.1Q, 802.1p) and Layer 3 (ToS, DiffServ, MPLS) QoS
<b>Supported Languages</b>	English, Simplified Chinese	
<b>Security</b>	SIP over TLS, SRTP (128-bit and 256-bit), HTTPS	SIP over TLS, SRTP (128-bit and 256-bit), HTTPS, SSH, 802.1X
<b>Login Methods</b>	Account extension number and password; login via QR code; join meeting via QR code	
<b>Firmware Upgrade</b>	Updated through Google Play Store or Apple App Store	Upgrade from UCM6300 series IP PBX (admin webUI)