VoIP User Guide

Version No.: v3.0-20160126

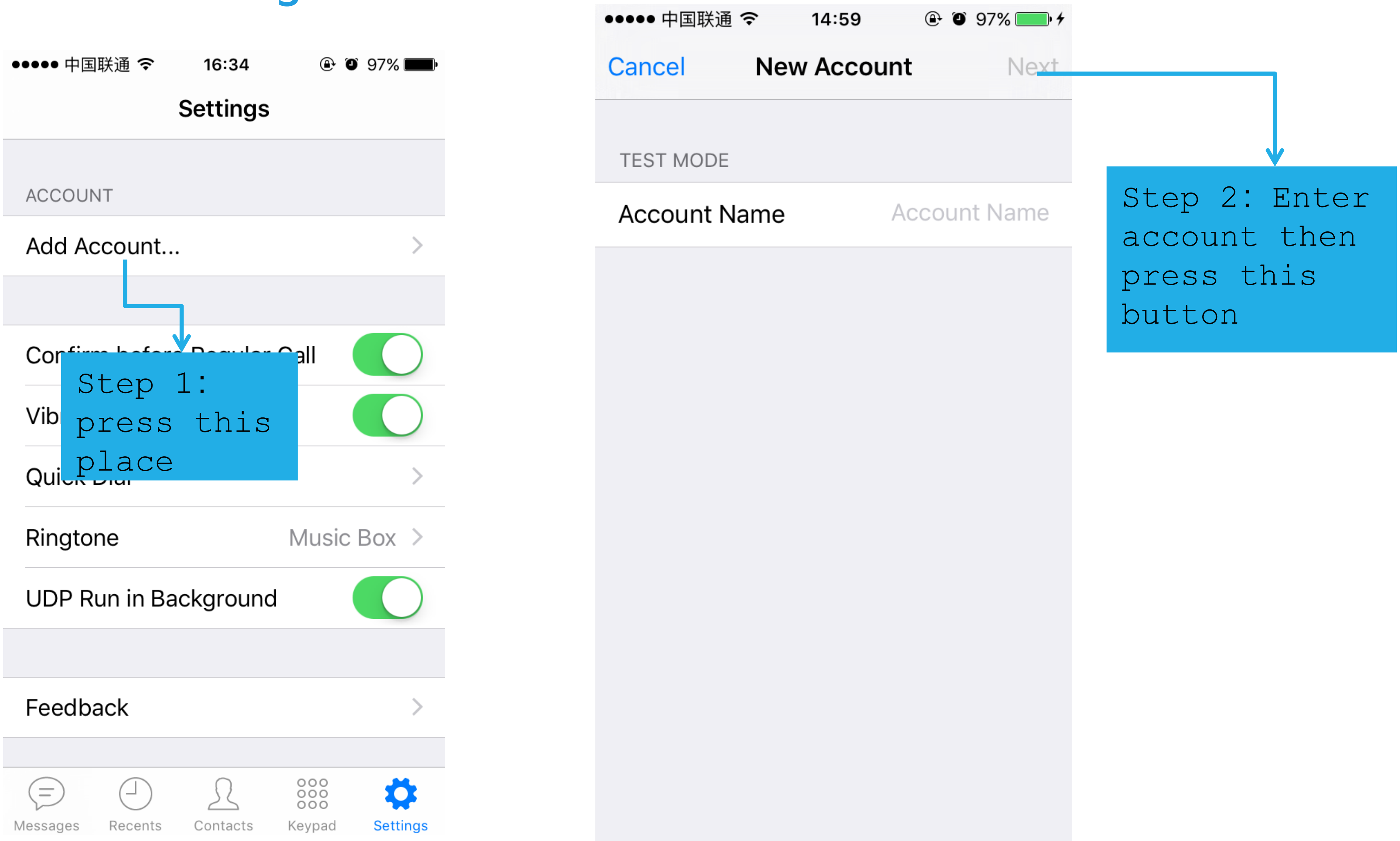
Date: Jan 3, 2016

Juphoon system software

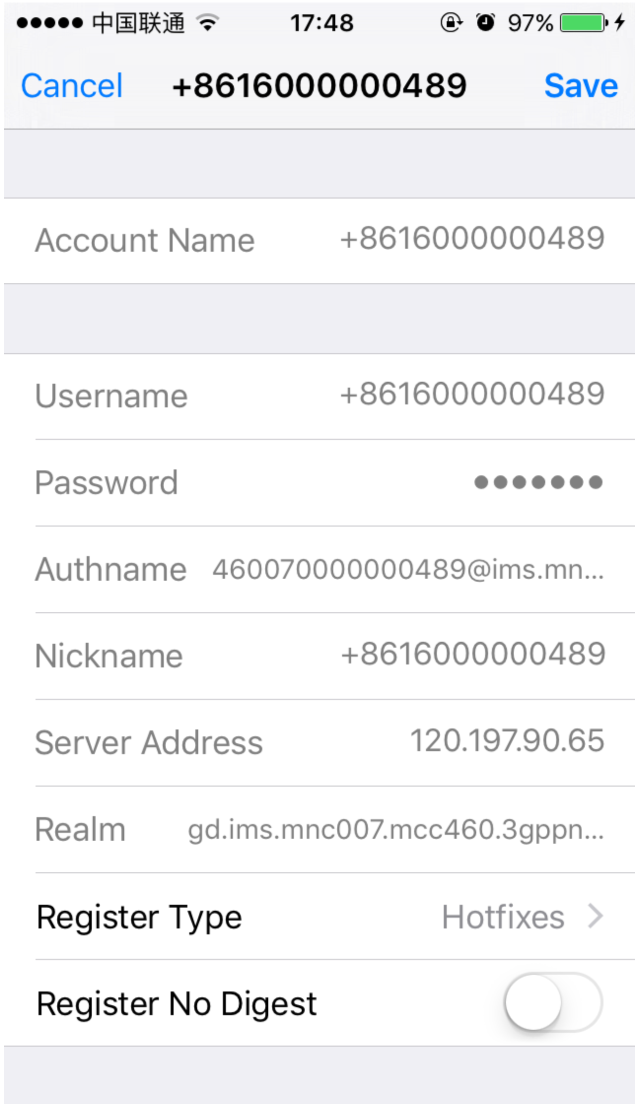
Intro

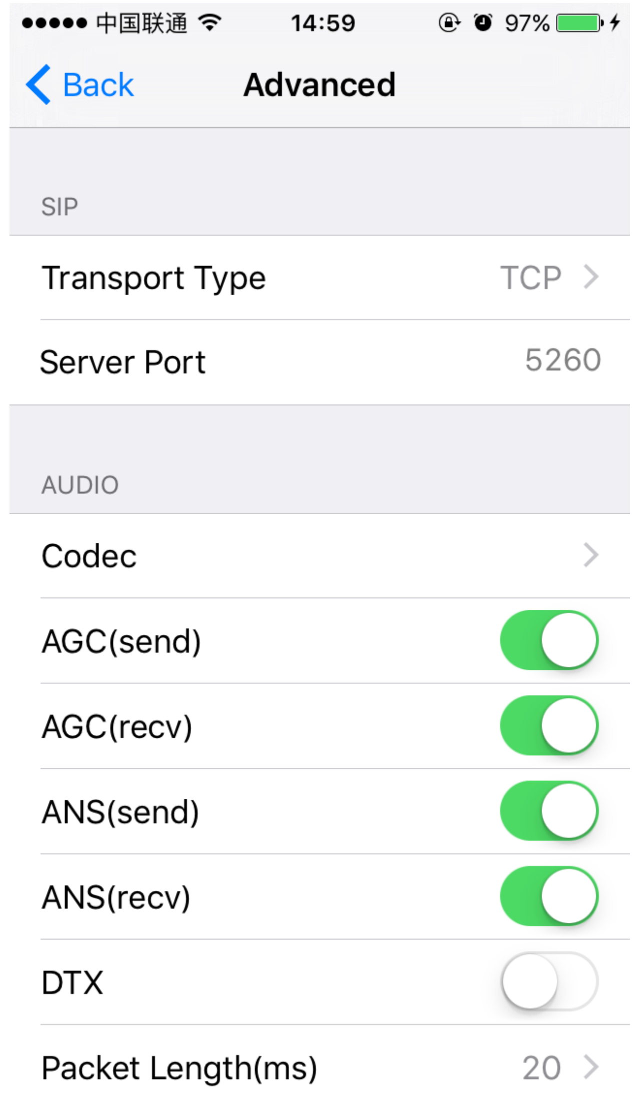
- Common setting
- Audio And Video Parameters selection
- Voice Parameters Intro
- Video Parameters Intro
- Statistics detection

Common setting



Common setting

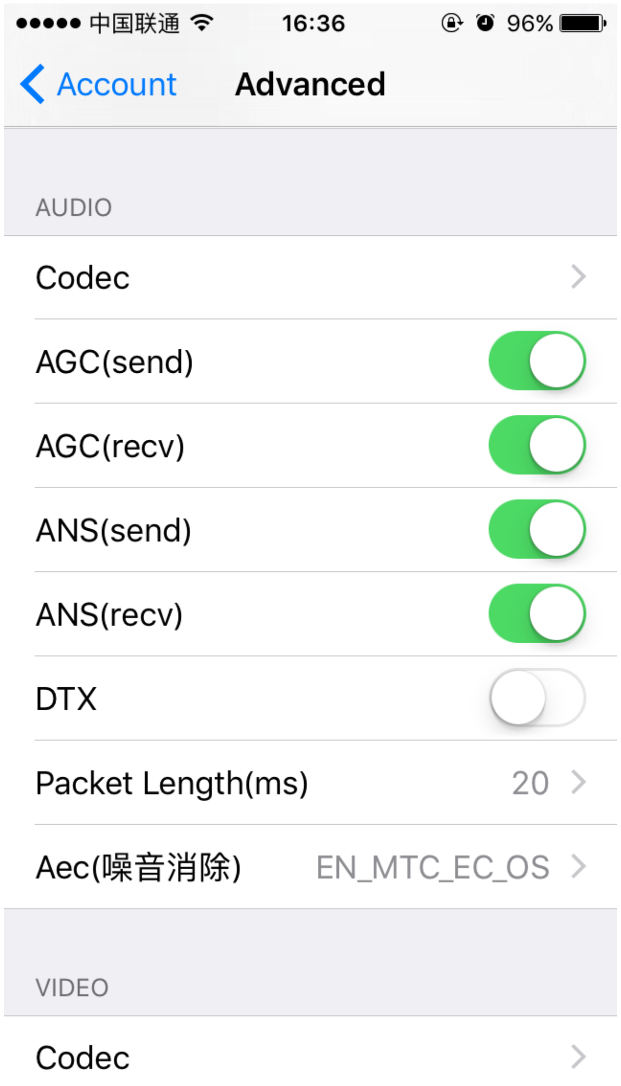


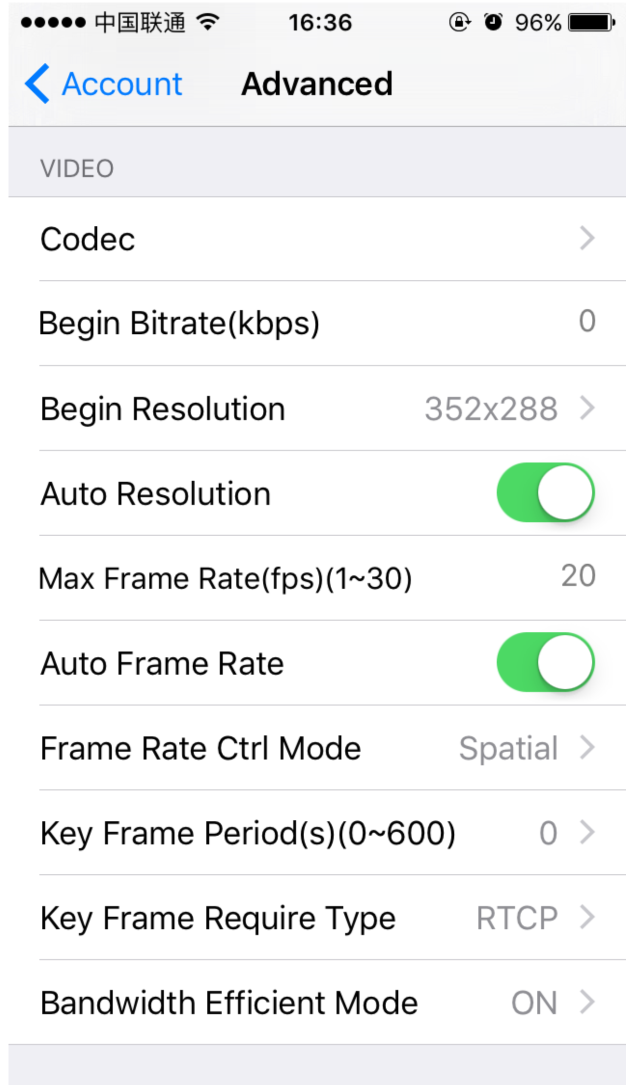


set the Username.Password,Authname,Server Address,Realm.

Set Register Type to Hotfixes

Audio And Video Parameters selection





select the codecs and set the parameters

Voice Parameters Intro

- Local Port, Remote Port: set local and remote transmission ports
- RTCP Mux: RTCP Port multiplexing
- Codec: select voice codec
- Payload: RTP payload value (not recommended to change)
- Bit rate: set bit rate (not recommended to change)
- Packet Length: set packet length (not recommended to change)
- AEC: acoustic echo canceller, including normal, OS, adaptive-FDE, adaptive-SDE, fixed delay mode

  FDE: formant delay estimate SDE: spectrum delay estimate
- ANS: auto noise suppression
- AGC: auto gain control
- VAD/DTX: voice activity detection and discrete transmission
- AGC Target(dB): AGC target value with -10dB by default

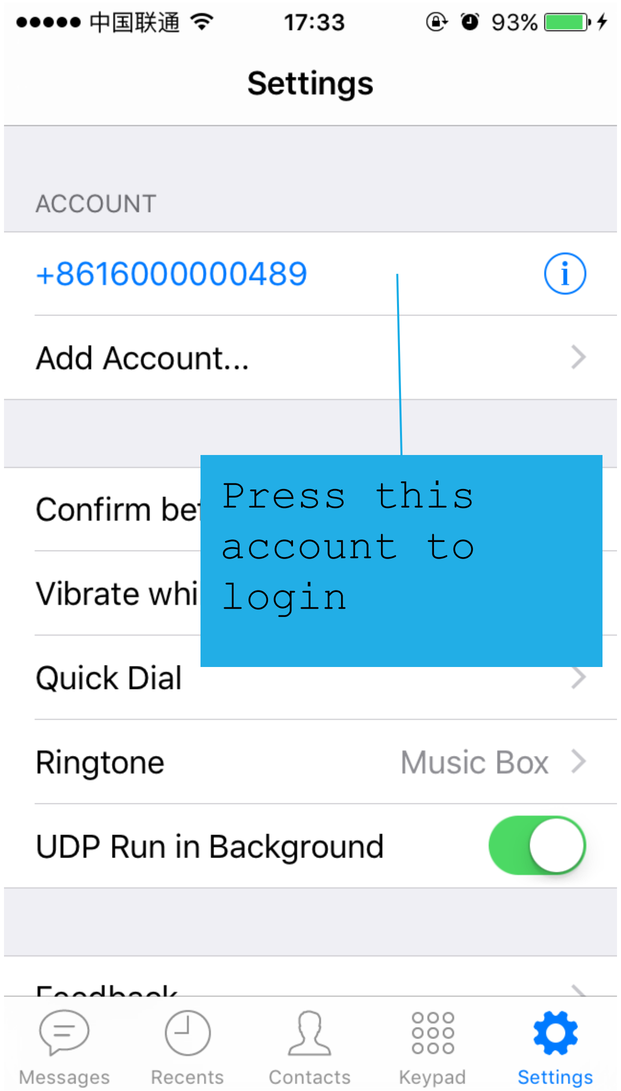
Video Parameters Intro

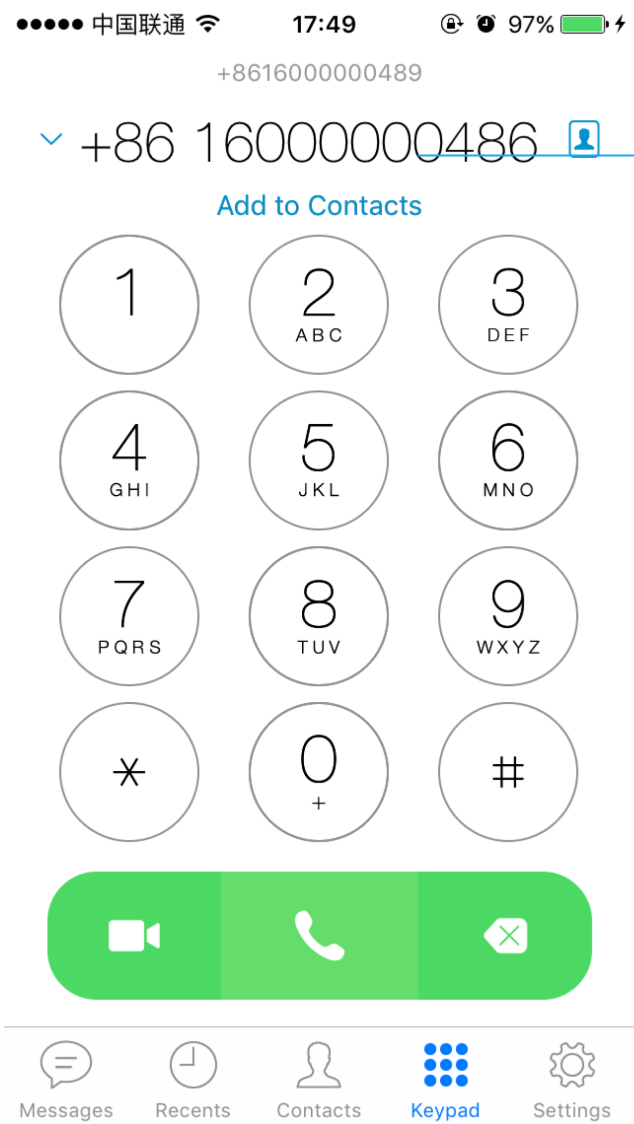
- Local Port, Remote Port: set local and remote transmission ports
- RTCP Mux: RTCP port multiplexing
- Codec: select video codec
- Payload: RTP payload value (not recommended to change)
- Bit rate: set bit rate
- Frame Length: set video frame rate
- Resolution: select video resolution
- Camera: select camera(front/back/off)
- ARS: auto rate sensing to make bit rate adaptive to network
- Resolution control: auto control resolution according to network
- Framerate control: auto control frame rate according to network
- Save mode: save network band width mode

Video Parameters Intro

Transmission enhancement:

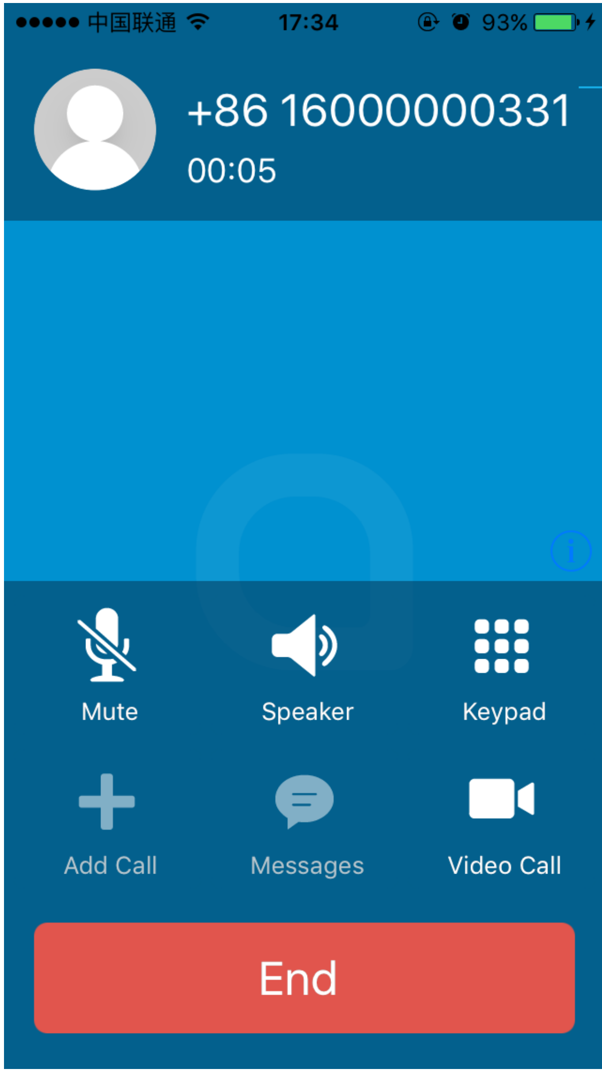
- Color Enhancement: close by default
- FEC/RED: forward error correction
- NACK: Negative Acknowledgement
- TMMBR: temporary maximum media stream bit rate request, need be used with ARS
- FIR: full intra request
- VP8 RPSI: reference picture selection for VP8 codec
- H.264 small nalu: small network abstract layer unit for H.264, which means a small nalu packet is less than a UDP packet
- Key Period: interval between two key frame, use values by default
- Render Mode: video render mode(surface/openGL ES 2.0)


●●●●● 中国联通
17:33
93%
Settings
ACCOUNT
+8616000000489
Add Account...
Confirm be
Vibrate whi
Quick Dial
Ringtone
Music Box
UDP Run in Background
Messages
Recents
Contacts
Keypad
Settings
Press this account to login



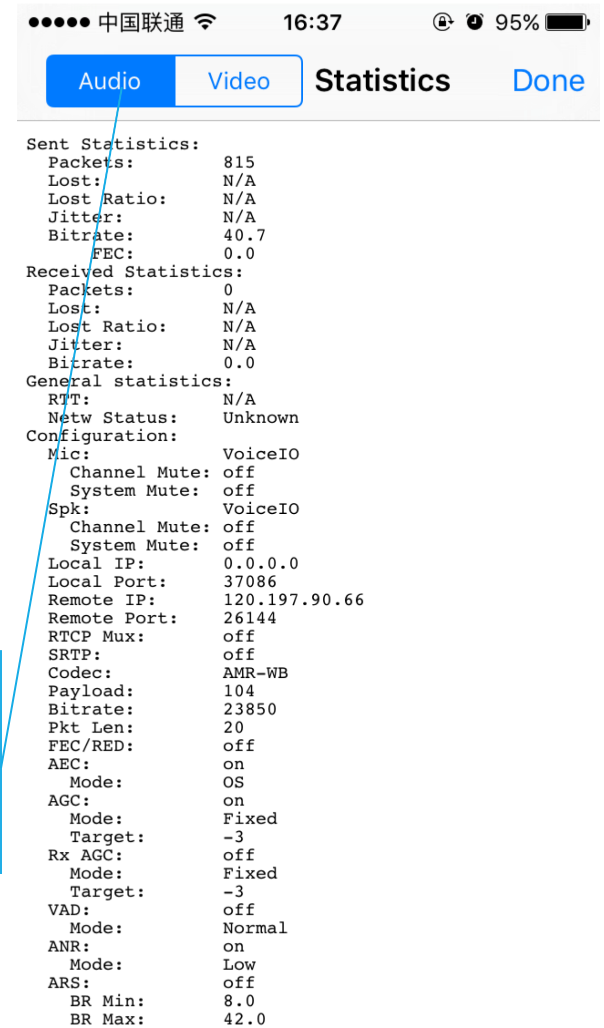
Input the called party sip account. Press button to video call.

Statistics detection



Press this button to check out the data like bitrate, packet lost, and resolution, etc.,when the demo is running

Press this button to switch to voice data.



Thank you