

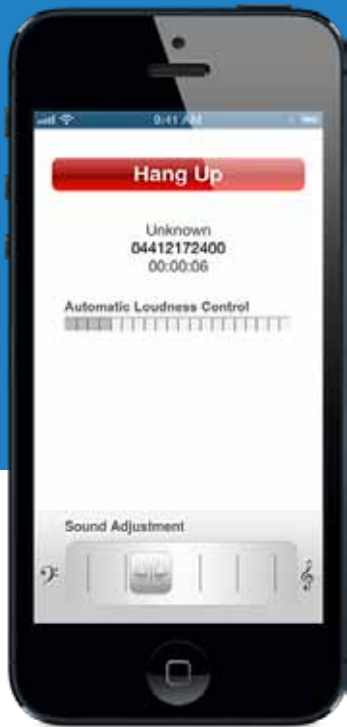


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AuditoryVoIP - The first VoIP app with integrated hearing support





Enhanced speech intelligibility
based on auditory models

The first VoIP app with integrated hearing support



Available on the
App Store

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IN COOPERATION WITH



The iPhone™-App AuditoryVoIP allows you to adapt the telephone signal to your personal hearing preferences. AuditoryVoIP improves general speech intelligibility and sound quality, also for individuals with age-related hearing impairment.

Simple operation without a hearing test

To set your personal hearing preferences, you simply select the most suitable loudness and sound settings for your needs. A hearing test is not necessary.

Who profits from AuditoryVoIP?

Everyone has their own sound preference and own sensation of loudness. Moreover, approximately 70 million people in Europe suffer from hearing loss. Of these, fewer than 25 percent use a hearing aid. As a result, people experience communication difficulties – both in their private lives and at work. Calls on a cell phone represent a particular challenge. For AuditoryVoIP scientists from the Project Group Hearing, Speech and Audio Technology of the Fraunhofer IDMT use adaptive signal processing to allow people with slight to moderate hearing loss to better follow telephone calls again even without a hearing aid.

Note: AuditoryVoIP does not have the functional scope of a hearing aid and is not a medical device.

Adaptive signal processing

Adaptive signal processing means that every incoming telephone signal is first analyzed and then adapted to the individual setting. As a result, quiet conversations become understandable again, but loud signals do not become too loud. In addition, only the frequencies in the signal are adapted that do not match the desired sound pattern.

Technical Specifications

- Adaptive multiband signal processing for adjustment of loudness and frequency based on auditory models
- Compatible with iPhone 4, iPhone 4S, iPhone 5 or iPod touch™
- Supports TCP/IP and UDP
- Background mode for TCP/IP background notifications
- Usable with Wi-fi, 3G- or 4G (LTE) connection (if supported by provider)
- Based on PJSIP library
- ANSI C implementation in floating and fixed-point (Windows, Linux, Mac OS, iOS, DSP and ARM)

Note: AuditoryVoIP is an SIP client (soft-phone). In order to use AuditoryVoIP, you require a paid account with an SIP provider.

More information at
www.auditory-voip.com
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