

# JacotiListenApp®

## Hearing Aid App

The World's First CE Approved Standalone Medical-Device Hearing Aid In Software

### Overview

Jacoti ListenApp® is the world's first CE approved medical device standalone software hearing aid and FDA registered as a Class I medical device.

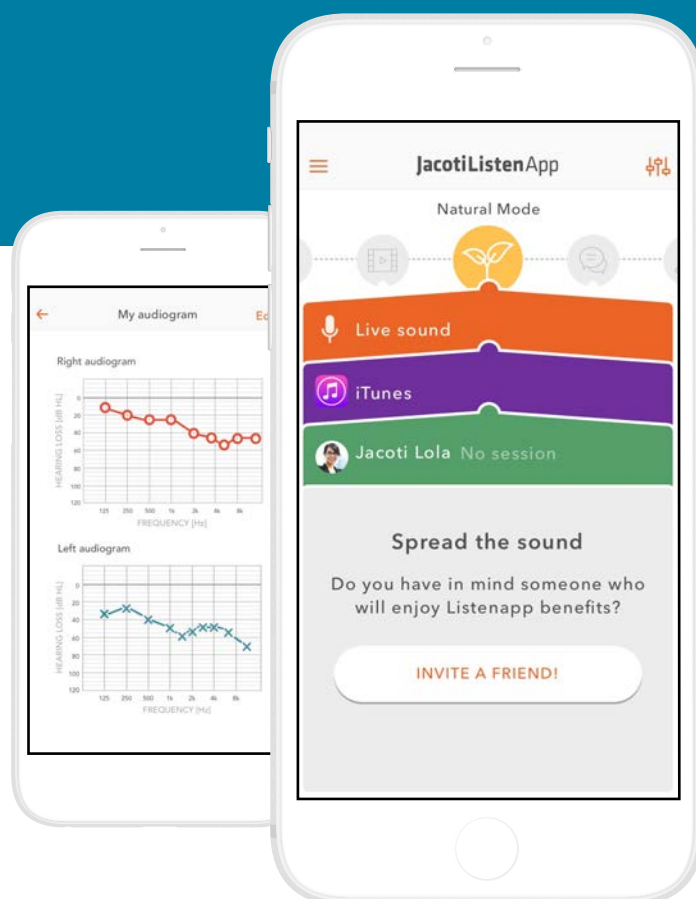
Users have the flexibility to fit themselves with Jacoti ListenApp®, tailoring their hearing experience based on audiograms obtained through certified audiologists or Jacoti's dedicated hearing testing app, Jacoti Hearing Center. The seamless integration of these tools ensures precision in customization.

With the integration of Jacoti earCloud®, users are empowered to synchronize their audiological data across diverse devices, facilitating a cohesive and adaptable auditory journey. Through this platform, users also gain access to expert audiological support, enabling remote configuration of Jacoti ListenApp® by hearing professionals.

Jacoti ListenApp® not only acts as a hearing-aid. It also plays back the local library music and compensates the audio coming from the audio streams of Jacoti Lola®, Jacoti's assistive listening device.

### Use cases

Hearing aid	Jacoti ListenApp functions as a personalized hearing aid, offering tailored audio compensation to individuals with hearing impairments.
Backup Solution	Acts as a backup or spare hearing aid, ensuring uninterrupted hearing support for users in case their primary device is unavailable.
Assistive Listening Device	Can be used as an assistive listening device, connecting with Jacoti Lola® to amplify audio in classrooms, events, or public spaces.
Hearing Rehabilitation	Supports individuals during their hearing rehabilitation process, providing them with an accessible tool to regain auditory clarity.



- ▶ Mild to moderate hearing loss compensation
- ▶ Automatic fitting using personal audiogram or Jacoti Hearing Center.
- ▶ Calibrated for Apple (wired) EarPods.
- ▶ Low latency signal processing.
- ▶ Separate sound processing for right and left ear.
- ▶ Synchronized audiological data through Jacoti earCloud® for remote hearing expert support.

### Regulatory and clinical information

Jacoti ListenApp® is a CE-approved Medical Device (class IIa in EU) and FDA registered as a Class I Medical Device in the U.S.

Jacoti itself has been granted an EN ISO 13485:2016 Quality Management certification by the highly respected Notified Body BSI.

## Software components

### Hearing Loss Compensation

Jacoti ListenApp® is powered by the Jacoti HearingKit® audio signal processing technology focused on compensating the hearing loss of individuals by applying a series of algorithms such as the Hearing Loss Compensation (HLC) algorithm itself but also the Automatic Gain Control (signal compression), noise reduction and gain maximisation.

### Separate sound processing for right and left ear

Jacoti ListenApp® processes independently both right and left channels, which results in a higher quality sound experience.

### Audiogram measurement with Jacoti Hearing Center

Jacoti ListenApp® may be fitted based on the audiogram measured by users own certified audiologist or obtained by testing the hearing themselves using Jacoti Hearing Center, Jacoti's hearing testing application.

### Jacoti earCloud® remote fitting

Jacoti ListenApp® features an online remote fitting service which allows to synchronise the patient's device with the fitting performed by his/her own audiologist online.

### Connected device

As a software-based solution, Jacoti Listenapp® is easily replaceable and can be upgraded seamlessly over the Internet.

Jacoti Listenapp® is available for 6S / 6Splus / SE / 7 / 7Plus / 8 / 8Plus / X / Xs / Xs Max / Xr.  
The version of iOS must be iOS 13.x or 14.x

Jacoti Listenapp® is meant to be used with the Apple EarPods (version with 3.5 mm jack connector if you use an iPhone 6S / 6S Plus / SE, version with lightning connector if you use an iPhone 7 / 7 Plus / 8 / 8 / Plus / X / Xs / Xs Max / Xr).

**Jacoti Listenapp® Instructions for Use available at [www.jacoti.com](http://www.jacoti.com)**

**Built with Jacoti HearingKit®, including Jacoti DuoTone® hearing test procedure, and Jacoti earCloud®**

### About Jacoti

Jacoti BV | Hearing Technologies is a science-based company that develops hearing enhancement solutions embeddable in consumer devices. Its flagship product, Jacoti Inside, optimizes audio to each individual hearing requirement from consumer technologies to fully-fledged medical devices.

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