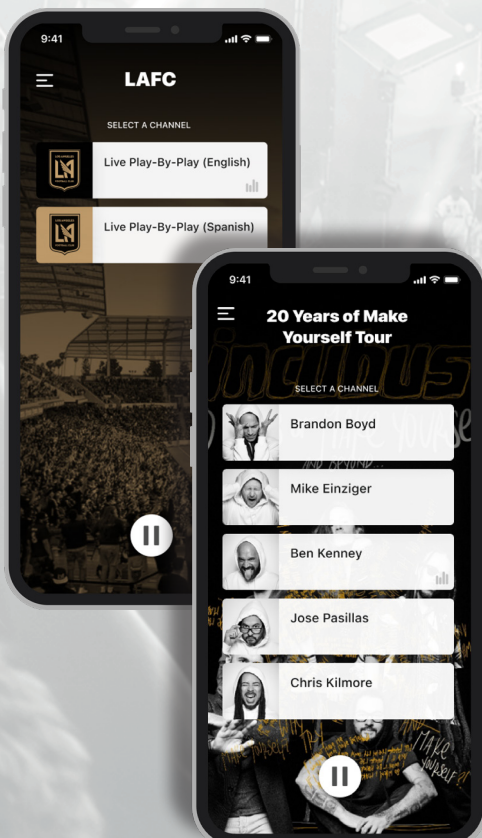# WHAT IS MIXHALO?

Powered by proprietary wireless networking technologies and L-Acoustics streaming hardware, Mixhalo ingests live audio at the source and broadcasts it in ultra-real-time to the mobile devices of those in attendance. The audio is then instantaneously available to the user via the Mixhalo app (or SDK) and any pair of headphones.

Mixhalo unlocks a host of fan/guest experiences that were never before possible: an isolated guitar mix throughout a stadium tour; multiple channels of real-time-play-by-play at an NHL arena; immersive spatial audio at an art show or concert, language interpretation without any additional hardware at a conference or trade show.

**Mixhalo's ultra low-latency, network-based data delivery platform consists of three key parts:**

- A proprietary firmware powered by L-Acoustics streaming processor, connected directly to a mixing console or audio input sources (which ingests, processes and encrypts the audio).
- Mixhalo's proprietary low-latency protocol and cloud backend (which distributes audio via cellular, wifi, or a local Mixhalo network).
- A mobile app or SDK (through which the user can access studio-quality audio using their own phone and headphones).



## BENEFITS FOR EVENT OPERATORS

- Unlock multi-channel experiences
- Supplement the PA in the most acoustically-challenged areas of the venue
- Create new sponsorship/digital assets
- Unlock new VIP inventory/experiences
- Drive incremental revenue with Mixhalo bundle or upsell ticket
- Implement our lightweight SDK option and drive engagement with your app

## BENEFITS FOR GUESTS

- Crystal-clear, time-aligned audio
- Volume control & hearing  protection
- Disability Inclusion
- Exclusive Content
- Assistive Audio

www.mixhalo.com   www.l-acoustics.com

# mixhalo | L-ACOUSTICS

# BRING IMMERSIVE AUDIO EVERYWHERE

With combining L-Acoutics and MixHalo technologies, engage your audience to the fullest.
Hybrid audio reproduction over speakers and headphones unlocks new possibilities,
with no complicated set-up and no perceived latency for the listener.

**Corporate**          **Stage**          **Worship**          **Sport**

**Mixer Front house**

## Venue with Stereo Sound System

The mixing engineer provides a stereo mix from the Front of House mixing console, to drive the main Sound System.

## Mixhalo

For zones where a headphones experience is preferred, a stereo mix is sent to a dedicated L-ISA processor and streamed via the MixHalo platform to the listener's mobile phone. The headphones experience provides high definition audio with no perceived lag. A binaural mix can be created via an L-ISA Studio software suite to create a more 3D immersive experience via spatial audio.

## Venue with L-ISA Sound System

The mixing engineer creates an object-based mix to drive a frontal or surround speaker system and provides a natural and vivid experience that heightens emotion and invites the listener inside the music.

FOH StereoMix

Stereo Mix

Direct Outs

Direct Outs

**L-ISA Steaming processor/MixHalo Inside**

**L-ISA Processor**

Object-based Mix

**Mixhalo**          **Mixhalo**

**Standard PA**          **Stereo**          **Binaural**          **Immersive Hyperreal System**

L-ISA