Conversa Voice Suite

CONVERSA-VOICE-SUITE

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Conversa is a comprehensive full-duplex, hands-free telephony speech processing suite providing total control of uplink and downlink audio. Conversa's embedded multimicrophone, full-duplex voice processing delivers the ultimate in sound quality for speakerphone and headset applications.
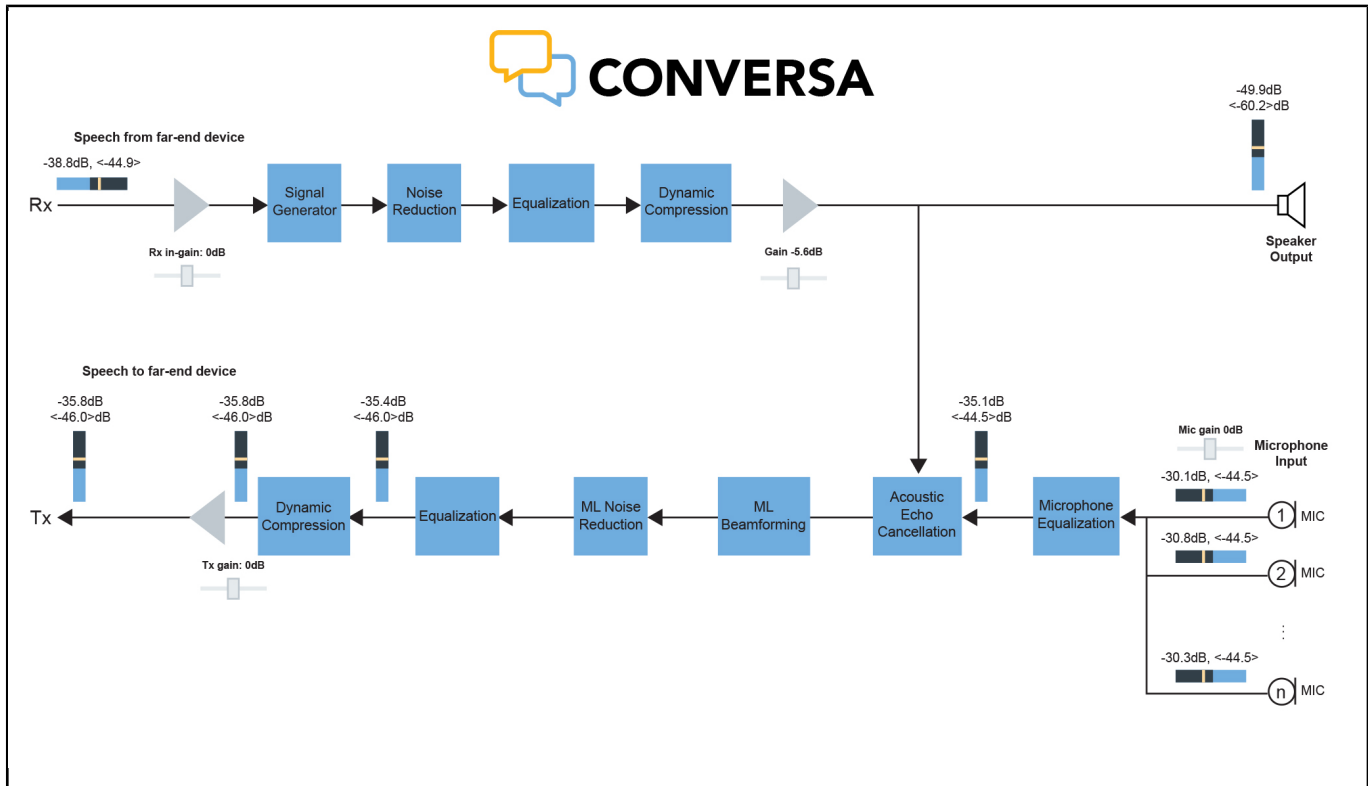
A key feature of Conversa is Machine Learning Noise Reduction (MLNR) which dramatically improves call quality in noisy environments, effectively removing non-speech sounds like keyboard clicks, barking dogs, sirens, etc. from the talker's audio.

Checkout Conversa's MLNR performance in our video demonstration for speakerphone use case and gaming headset use case.

Whether you're designing a speakerphone, headset, TWS ear set, wearable or automotive voice solution, you need full-duplex voice processing that will perform in all noise types.

Please contact us for more information.

Conversa Real-Time PC-Based Tuning Tool Block Diagram Block Diagram

CONVERSA

Speech from far-end device

-38.8dB, <-44.9>

Rx

Rx in-gain: 0dB

Signal Generator → Noise Reduction → Equalization → Dynamic Compression

Gain -5.6dB

-49.9dB
<-60.2>dB

Speaker Output

Speech to far-end device

-35.8dB
<-46.0>dB

-35.8dB
<-46.0>dB

-35.4dB
<-46.0>dB

-35.1dB
<-44.5>dB

Tx

Tx gain: 0dB

Dynamic Compression ← Equalization ← ML Noise Reduction ← ML Beamforming ← Acoustic Echo Cancellation ← Microphone Equalization

Mic gain 0dB   **Microphone Input**

-30.1dB, <-44.5>

1 MIC

-30.8dB, <-44.5>

2 MIC

-30.3dB, <-44.5>

n MIC

View additional information for Conversa Voice Suite.

Note: The information on this document is subject to change without notice.