



Boardroom Conference Quality *at your desk.*

SOLO™ USB Conference Unit

The SOLO conferencing unit delivers full duplex communication at your desktop - Hands-free and Headset-free. Quality communication is the result of Phoenix Audio's proprietary echo cancellation, noise suppression and voice level compensation algorithms. A USB interface provides for easy installation and it's small footprint design occupies little desktop space.

Applications:

- Voice over IP
- Distance Learning
- Web Conferencing
- Hoot & Holler
- Video-Conferencing

No Echo - No feedback - No Noise



Features:

High-end Performance: Conforms to ITU-T G.167 Standard for Echo Cancellers

- 100% Full Duplex Performance – No attenuation (either way) during full duplex
- Fast Convergence, even when In Full Duplex Mode
- Very Low Delay

Ease-of-Use: Simple USB Connection

Audio Performance:

- Speech processing and echo suppression at 16KHz sampling rate
- Maintains Audio Performance of the PC for HiFi audio applications

Digital Signal Processor Algorithms:

- Acoustic Echo Cancellation
- Noise Cancellation
- Residual Echo is Suppressed to the Environment Noise Level to Prevent Artificial Ducking of Signal
- Power Level Equalization; a consistent volume level of voice is maintained from a 2 foot distance to approximately 15 feet from the microphone. (This is not an AGC)

System Requirements:

- USB port
- PC Loudspeakers
(Soundcard no longer required)

SOLO™

For **Web Conferencing, Voice over IP, and Distance Learning**

Specifications:

- 100% Full Duplex Performance – No attenuation (either way) during full duplex
- Acoustic Echo Cancellation >40 dB
- Noise Cancellation >10dB
- Residual Echo is Suppressed to the Environment Noise Level to Prevent Artificial Ducking of Signal
- Power Level Equalization
- Convergence speed 40 dB/sec
- Tail length (200ms)
- Convergence during full duplex (No recovery time after full duplex)
- Low delay (10 msec)
- Bandwidth 20 – 7500 kHz for Speech Processing
Maintains the Soundcard bandwidth for other applications (ie; music, gaming, etc.)
- Mute Button

Comprehensive Connectivity:

- USB Port



Mute / Un Mute

Installation Block Diagram:

