



Condor



MT600 Microphone Array

Enhanced audio conferencing, *simplified.*

The Condor is a 48-inch wide multi-microphone array with a pickup range of up to thirty feet. It also features a built-in SIP phone, which can be controlled using a dedicated application that runs on your smart device.

Created with the goal of decluttering conference rooms, the Condor eliminates cumbersome devices and wires from the conference table. It can easily connect to any video conferencing system and works with web applications such as Skype, Vidyo, etc. Any type of loudspeakers can be used, including external sound bars or your monitor's internal speakers.

The Condor deploys multiple directional audio beams, covering the entire room. An additional short range beam picks up those standing close to the array. It is DSP-based with a full suite of algorithms that operate on each of the beams, including echo and noise cancellation.

The Condor will completely change the look and dynamics of conference rooms.

FEATURES

- Covers an entire room with pickup range of up to thirty feet
- Mounts on wall or can be positioned above or below monitor to create clutter-free environment
- Built-in SIP speakerphone, which allows users to bridge between SIP calls and video conferencing applications
- Deploys multiple directional audio beams, plus short range beam for close proximity
- DSP based algorithms
 - Echo canceling
 - Noise reduction
 - De-reverb



The Ideal Audio Conference Solution For:

- Conference rooms of any size
- Training Rooms and Classrooms
- Executive Offices

Performance: A state-of-the-art acoustic design, coupled with a powerful DSP and Phoenix Audio's proprietary algorithms, provide best in class echo-cancellation, noise suppression and a true HD audio experience.

Clutter-Free: The Condor can be positioned above or below your monitor, or mounted on the wall, freeing up your conference table and collaboration space.

Easy To Install: The Condor is a plug-and-play device. No additional drivers are required. Conferencing set-up has never been simpler!

Connect: The Condor is designed to fulfill your every conference room audio need. It has the ability to connect via built-in SIP and video conferencing system simultaneously and perform a three way call bridge.

Features

- Highly directional, 48-inch aperture, 15-microphone array
- Seven fixed-direction directional beams with Constant Beamwidth design
- Pickup range up to 30 feet with optimal recommended range of up to 25 feet
- Angular reception – 180 degrees
- Algorithms: DSP based noise canceling, echo canceling, AGC, De-reverb
- 100% full duplex
- Digital interface using USB telephony protocol
- Analog interface for use with Analog Codecs
- Built-in IP phone (SIP)
- Automatic bridging between the IP phone and USB communication

Installations

- The Condor comes with two installation options:
 - Wall mounting; the Condor comes with two wall mounting brackets
 - Stands; two stands are provided to placing the Condor on a flat surface

SPECIFICATIONS

Connections

- USB – both data and power
- Analog Speaker In via two RCA jacks (left and right signals)
- Analog Speaker Out via two RCA jacks (left and right signals)
- Analog System Out (microphone output) via RCA jack (line level)
- Digital Speaker In via optical link (stereo)
- Digital Speaker Out via optical link (stereo)
- RJ45 Ethernet link – for network connection and IP phone

Light indications

There are four light sources across the Condor, each includes blue and red LEDs. The red will be flashing when the unit is muted; the blue will indicate the direction of reception. They will also be used to indicate other activities like power up, programing, IP search, and so on.

Software and Controls

The Condor will be identified and selected as the default device on any Windows application. You may have to select it as your default device for MAC OS.

The IP phone (SIP) is set up using a web based GUI that can be logged in from any device sitting on the same network as the Condor.

Phoenix offers a few software control and support utilities on its website. These include recording software, test wizard, and maybe the most important – an audio setup utility. You can control the Condor's microphone and speaker volume using this utility. These volumes can be controlled separately for signals coming through the SIP link or the USB link.

Dialing – using the Condor as your conference phone requires a dialer. The dialing is done through a software application running on a device that is connected to the same network. Two major platforms on which this application is available are Windows and IOS. The dialing application allows you to associate the app with a particular Condor (on your network), dial out, take calls in, call from your personal contact list, use the company's contact list, mute the unit, and more. Check our website for additional platforms on which the application is available.

Power

USB Power
PoE

Performance Parameters

Frequency response: 50Hz – 16KHz
Noise Suppression: >15dB – no pumping noise
Echo Canceling: >40dB with conversion rate >40dB/sec
Residual echo suppressed to environment noise level preventing artificial ducking
Low latency – 10Msec
Power consumption – 500mAmp (from USB or POE)
Supported Codecs:
G.711 (A-law and Mu-law)
G.729A (Annex B)
G.722
G.723

Dimensions

2.5" diameter, 48" long. Weight: 3.35 lbs
The Condor is housed in a metal tube; the outer shell is metal for sturdiness and durability.

VoIP and Signaling

SIP – RFC 3261, SDP – RFC 2327 SIP over TCP/UDP, Redundancy, Digest Authentication, PRACK, Early Media

Data Protocols

IPv4, TCP, UDP, ICMP, ARP, RTP, SRTP, Static IP/DHCP IP Assignment, IEEE 802.1p/Q, HTTP/HTTPS/DHCP, NTP, FTP/TFTP

Software

Plug-and-Play - No installation or additional drivers required
Audio Setup Utility is available for Windows.
Recording utility is available for Windows.
Recording utility allows you to record conversations to your computer via the device.
Operating systems: Windows 98 and up / Linux / MacOS.

Accessories

USB cable
5V power supply
2 wall mounting brackets and 2 stands

Warranty

Limited warranty - for more information, visit <http://www.phnxaudio.com/warranty/limitedwarranty.pdf>.

Provisioning and Management

Web Server for Configuration and Management, Configuration update via FTP, TFTP, HTTP, HTTPS, DHCP Options (66, 67, 160, 12, 77, 42)