PHOENIX AUDIO TECHNOLOGIES

OCTOPUS

**MT454-PA
USB Base Unit with
Power Amplifier**

Enhanced audio conferencing, *simplified.*

The Octopus is a versatile Audio Conferencing Mixer with a powerful DSP and unique technology that delivers crystal clear audio by automatically monitoring and mixing, making it easy to set up and use. Each Octopus has four microphone inputs (each input can also be designated as a unique auxiliary or sound reinforcement channel). The Octopus allows you the freedom to mount speakers and microphones anywhere in the room (ceiling, walls, and table tops). In addition, the Octopus provides unlimited daisy chain capability and allows for multiple connectivity options.

The Octopus MT454-PA comes standard with USB and RCA connectors for VoIP and Video Codec connectivity and a 40 watt, 4-output amplifier for powering speakers. Additional options for the Octopus are: An analog (PSTN) telephone interface or a digital telephone interface.

FEATURES

• Beamforming microphone array technology

• Full duplex communication

• Echo cancellation

• Noise suppression

• De-reverb filtering

• Automatic gain control

• Bridging

• Phantom power supply (3V & 24V)

SPECIFICATIONS

THIS DEVICE PROVIDES AN IDEAL AUDIO SOLUTION FOR:

- Small to very large conference rooms
- Classrooms and training rooms
- Webinars and web conferences
- Auditoriums
- Courtrooms

Performance

The Octopus has an extremely powerful DSP that delivers crystal clear audio through full duplex technology, supplying a true High Definition installed audio solution for your conference room.

Simplicity

The Octopus is designed for easy installation and setup. The unit will assess and automatically control the mixing parameters allowing you to set it and forget it.

Expandable

The Octopus has unlimited daisy chain capability, giving you all the inputs you need, no matter what size your room is.

Flexible

The Octopus enables you to have the flexibility you need in connectivity, optional features, and the ability to mount speakers and microphones on the ceiling, walls, and table tops.

Inputs

Designation: Microphone (mixer inputs), Auxiliary, Sound Reinforcement

Number of inputs: 4 per unit

Phantom: User selectable: 3V, 24V or none (for Line inputs)

Connectors: XLR

Input impedance (load):

3V Phantom: 2K ohm

24V Phantom: 590 ohm

No Phantom: 2K ohm

Maximum input level: 1.8V/Gain

Gain: User selectable: 0dB to 42dB in 6dB steps

Frequency response: 20 Hz - 16 KHz

Audio Out

Connectors: RCA and XLR (the XLR is re-assigned as Link Up when the unit is configured as Slave)

Level: Line or Mic level (user selectable)

For Line level: 1.8Vpp Max

For Mic level: 90mVpp Max

Link Up level: Line (1.8Vpp fixed)

Impedance: 25 ohm

Frequency response: 20 Hz - 16 KHz

Audio (Far-End) In

Connector: RCA

Impedance: 100K ohm

Level: 1.8Vpp

Far-End (Speaker) out

Connector: 2pin terminal block

Impedance: 25 ohm

Level: 1.8Vpp Max

Com Port

RS232 – protocol available upon request

Power

5V, 200mAmp (through the USB connector)

Dimensions

Length: 8"

Width: 16.5"

Height: 1.75"

Weight

6.15 lbs

Warranty

Two Years

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