

octopus

MT454-PSTN USB Base Unit with Analog Phone (PSTN) Interface



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-PSTN comes standard with USB and RCA connectors for VoIP and Video Codec connectivity, and can connect to any analog PSTN phone line. Additional options for the Octopus are: digital telephone interface and/or 40 watt, 4-output amplifier for powering speakers.

FEATURES

- Beamforming microphone array technology
- Full duplex communication
- Echo cancellation
- Noise suppression
- De-reverb filtering
- Automatic gain control
- Bridging
- Phantom power supply (3V & 24V)



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.

SPECIFICATIONS

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

Speaker (Far-End) 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

5.65 lbs

Warranty

Two Years