



Spider



USB and PSTN Telephone
MT502

Enhanced audio conferencing, *simplified.*

Change the way you conference with the Spider. Featuring state of the art acoustics, noise and echo cancellation technologies and a proprietary portfolio of algorithms, the Spider is the most powerful and advanced conference phone on the market. The four powerful microphones, true HD Audio, full duplex, and exceptional broadcasting range ensure crystal-clear, seamless conversations.

The Spider addresses all your audio needs in the conference room.

Designed with both telephone connectivity and a PC soft interface for video conferencing, the Spider eliminates the need for two separate conferencing devices to be placed in your conference room or office. Use the Spider alone or connected to up to 14 daisy chain units to cover any size conference room design.

FEATURES

- Bridging between USB and PSTN
- Daisy Chainable up to 14 slave units
- Interactive dial pad
- Four microphone beamforming array with directional LED lighting
- Full duplex communication
- DSP based algorithms
 - Echo canceling
 - Noise reduction
 - De-reverb
 - Automatic gain control



SPECIFICATIONS

Connections

Connects to analog telephone line
 USB ports Micro-B connector USB 1.1
 3.5mm DIN, 4 pole for external microphone and speaker connection
 RJ45 daisy chain connector; expandable up to 14 units
 Power Consumption: 150 mA from 48V
 DC power supply connector 48V 0.625A

Audio

Frequency Response 50Hz – 16KHz
 Low latency (10ms)
 Broadcast level (peak): 92dB SPL @1m (5 watts RMS)
 Three-way bridging capability
 Noise cancellation > 10dB (without pumping noise)
 100% full duplex – no attenuation (in either direction) during full duplex
 High-end performance conforms to ITU-T G.167
 Acoustic echo cancellation > 40dB/sec
 Residual echo is suppressed to the environment noise level, preventing artificial ducking of signal
 4 high-quality directional microphones
 Beam-forming algorithm (forms and directs audio beams towards a defined direction)
 Automatic voice-level adjustment (AGC)

Dimensions

Dimension: 7" diameter, 1-7/8" height
 Weight: 2 lbs
 Metal case and metal grill mesh for high RFI immunity and product durability
 High RFI immunity and product durability

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 Micro-b cable for computer for calls using PC-based soft phone & Video clients
 AC/DC International Adapter 100-240V, 1.A, 48V
 CAT-5 Ethernet cable

Warranty

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

The Ideal Audio Conference Solution For:

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

Performance: The Spider's powerful DSP, accompanied by Phoenix Audio Technologies proprietary algorithms, provide best-in-class echo-cancellation, noise suppression, and a true HD audio experience.

Intuitive User Interface: The Spider is the first conference phone that you can see what you audio device is doing during the conference call. Designed with discreetly placed LED lights and an interactive dial pad, the Spider comes to life for your conference call.

Expand: The Spider supports power daisy chaining of up to 14 slave units to cover any size conference room. The cable connectivity is conveniently placed under the unit for a sleek look in your conference room.

Connect: The Spider is designed to fulfill your every conference room need by providing both telephony and video codec connections on the same device. Use independently or together to create a three way call bridge. Eliminate the need for multiple audio solutions in you conference room with the Spider.