



Smart Spider



**MT503
USB and Smart Interface**

Enhanced audio conferencing, *simplified.*

The Smart Spider is a high-quality conference speakerphone that will turn any room into a professional conference room. It has an exceptionally large pickup and broadcasting range, yet is small in size and discreet in design. The Smart Spider utilizes multiple microphones, a uniquely designed speaker, and a powerful DSP to achieve commanding performance.

The intuitive and interactive user interface is incorporated through LED lights and discreetly placed throughout the unit. The Spider comes to life when it is in action and displays only the needed functions depending on the specific scenario to provide an easy to use audio solution for your conference room

The USB outlet allows you to connect to a computer for any web conferencing applications, such as Skype for Business, GoToMeeting, etc. The Smart interface on this model allows you to connect to any analog audio device. Included with this model is a 2.5mm to 3.5mm cable adapter that enables you to connect to any smart phone or tablet device, such as iPhone, Android, Blackberry, iPad, Galaxy, etc.

FEATURES

- Bridging between USB and Smart phone or tablet
- Daisy Chainable up to 14 units
- LED lit control buttons
- Four microphone beamforming array with directional LED lighting
- Full duplex communication
- DSP based algorithms
 - Echo canceling
 - Noise reduction
 - De-reverb
 - Automatic gain control



The Ideal Audio Conferencing Solution For:

- Smartphone and tablet conferencing (BYOD)
- Small offices or home offices
- Small to very large conference rooms
- Classrooms and training rooms

Performance: A state-of-the-art acoustic design that delivers a pick up range and speaker clarity like no other conference phone on the market. The Smart Spider's powerful DSP accompanied by Phoenix Audio Technologies' proprietary algorithms provides best in class echo-cancellation, noise suppression and a true HD audio experience.

Intuitive User Interface: The Smart Spider is the first conference phone that you can see what your audio device is doing during the conference call. Discreetly placed LED lights under the grill and control buttons come to life when the Spider is in action.

Expand: The Smart 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 Smart Spider is designed to fulfill your every conference room audio need. It has the capability to connect to your smart device and video codec simultaneously and perform a three way call bridge. With the Smart Spider there is no more need for multiple audio solutions for one conference room.

SPECIFICATIONS

Connections

USB interface (mini B connector)
3.5mm external loudspeaker and microphone jack
Volume Up / Volume Down buttons
Daisy chain expandability of up to 15 units
Power consumption: 5V 500mA peak through USB and wall mount AC/DC converted

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 confirms to ITU-T G.167
Acoustic echo cancellation > 40dB with conversion speed of 40dB/sec
Residual echo is suppressed to the environment noise level, preventing artificial ducking of signal
4 high-quality directional microphones
Direction-finding algorithm (determines the presence and direction of a speaker)
Beamforming algorithm (forms and directs audio beams towards a defined direction)
Automatic voice-level adjustment (AGC)

Dimensions

Dimension: 7 in diameter
Height: 1-7/8 in
Weight: 1.75 lbs
Metal case and metal grill mesh for high RFI immunity and product durability

Software

Plug-and-Play - No installation or drivers.
Audio Setup Utility is available for Windows.
The Setup Utility helps monitor the audio input and output level but is not required.
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
Multinational AC adapter
Daisy chain cable (Ethernet)
2.5 to 3.5 audio cable for smart phones and tablets
Warranty
Two years

Regulatory Compliance

Complies with FCC 47 CFR Part 68, and ACTA adopted technical criteria: TIA-968-A
Complies with FCC 47CFR part 15; ICES-003: 2004 Issue 4, Class B; AS/NZS CISPR 22: 2006, Class B; EN 55022: 1998+A1(00)+A2(03), Class B; EN61000-3-2: 2000+A2(05); EN61000-3-3: 1995+A2(05); EN55024: 1998+A1(01)+A2(03)
Complies with ETSI EG 201 121 V1.1.3 (2000-02); ETSI ES 203 021-2 V2.1.2 (2006-01); ETSI ES 203 021-3 V2.1.2 (2006-01)
Conforms to the requirement of the European Union Directive 2002/95EC (RoHS Directive)