# EasyTalk™ USB Solutions

**vaddio**

# USB Group Audio Conferencing Solution for the PC

Easily deploy PC-based unified communications in your group conference rooms with the EasyTalk USB audio solution. The EasyUSB™ solution offers all the components needed to create hands-free audio conferencing for a PC conferencing system for a group meeting room.

- Transform the PC into a meeting room by simply plugging in the USB 2.0 connector.
- HD Audio Capabilities with AEC for exceptional intelligibility and full duplex performance.
- Easy to use & install with the performance of a professional mixer without the complexity.
- Pair it with Vaddio's USB cameras to create a complete A/V solution.

The EasyTalk USB solution seamlessly integrates all the necessary audio functions required to  create a room's sound system with simple plug & play appliances that directly connect to a PC.  Available components include:
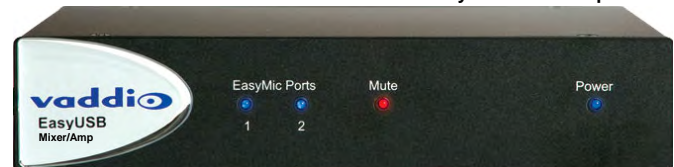
- EasyUSB Mixer/Amp:  This device has integrated audio mixer functionality emulating a single  microphone & speaker channel to the PC. It also includes an internal 2x20 Watt Class-D amplifier and line level audio input & output for interfacing with other AV equipment. Up to two EasyMic MicPODs can directly interface to the EasyUSB Mixer/Amp using standard Cat-5/5e/6 cable.

- EasyMic™ MicPOD™: Attractive echo cancelling table microphone pod providing a 360⁰ pick-up pattern. It incorporates user control buttons on top of the MicPOD for mute & volume functions. It connects to an EasyUSB Mixer/Amp with a single Cat-5 cable providing audio, control, and power.

- EasyMic Ceiling MicPOD:  The Echo Cancelling Ceiling MicPOD has a 360⁰ coverage pattern. It includes plenum rated interface box with adjustable length drop cable up to 36" (.914m) long to the MicPOD array.  The mic head is offered in both black & white versions.

**EasyMic Ceiling MicPODs (above) and EasyMic MicPOD (below)**

**EasyUSB Mixer/Amp**

The EasyTalk USB Solutions are available in pre-configured room bundles for common applications or create your own custom solution by purchasing each component individually.

## KEY FEATURES

**EasyUSB Mixer/Amp:**  Audio Mixer supporting two (2) EasyMic devices and USB 2.0 audio interface emulates microphone & speaker to the PC. Includes built in 2x20 watt class-D amplifier and line level input and output for connecting to other A/V equipment.

**EasyMic MicPOD:** Tabletop microphone pod with integrated acoustical echo cancelation function with 360⁰ coverage connects to EasyUSB Mixer/Amp with single Cat 5 cable. User interface controls for mute and volume plus One-Touch camera preset tracking.

**EasyMic Ceiling MicPOD**:  The echo canceling Ceiling MicPOD is comprised of 2.5" diameter microphone head (white or black), plenum rated interface box and tile support brace. The interface box supports in-ceiling and surface mount type installations. The Ceiling MicPOD interface connects to the EasyUSB Mixer/Amp with a single Cat-5 cable.

**Simple User Interface:**  The front panel has EasyMic Port activity, mute and power indicating LEDs. Interface and Control Dip switch settings are provided for advanced audio processing functions.

**Advanced Audio:**  The solution incorporates wideband AEC per microphone channel with noise reduction. Automatic microphone mixing minimizes noise contributions in audio path. Microphone AGC provides consistent sound level with soft talkers. User enabled compressor, EQ filter, and audio mixing modes are available.
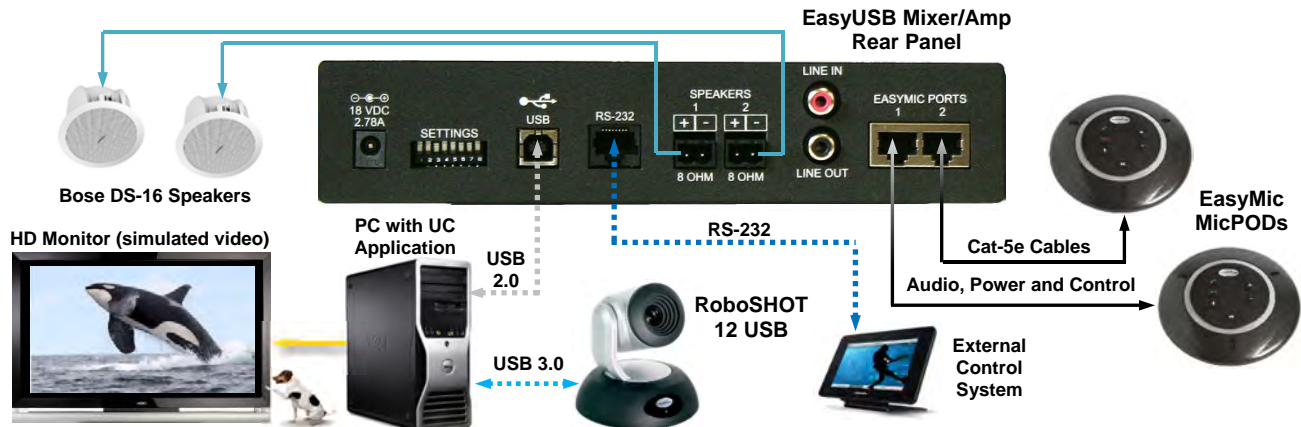
**Easy Integration**:  EasyUSB devices are compliant UAC (USB Audio Class) drivers allowing standard Windows and Mac drivers to be used. Plug & Play installation is achieved using Cat-5 cables with RJ-45 connectors. Auxiliary audio I/O for connection to other a/v equipment in the room is provided.

**Speaker Accessories:**  The EasyTalk Sound Bar is a low profile, center channel loudspeaker designed to mount below LCD displays. It connects to the EasyUSB Mixer/Amp and offers full band response optimized for voice.  The Bose® DS-16 Ceiling Speakers are also available in system packages and as a stand-alone kit with two speakers.

**Made in the USA:**  The EasyTalk Solutions are made in the USA at Vaddio's HQ in Minnetonka, Minnesota.

## SYSTEM CONFIGURATION

Easy USB Mixer/AMP with two (2) EasyMic MicPODs, two (2) ceiling speakers, a PC with a UC conferencing application and an external controller with a special guest appearance of RoboSHOT 12 USB Conferencing Camera.



**EasyUSB Mixer/Amp Rear Panel**

Bose DS-16 Speakers — HD Monitor (simulated video) — PC with UC Application — USB 2.0 — USB 3.0 — RoboSHOT 12 USB — RS-232 — External Control System — Cat-5e Cables — Audio, Power and Control — EasyMic MicPODs

## SPECIFICATIONS

### EasyUSB Mixer/Amp Specifications

| | |
|---|---|
| Audio Specifications | Frequency Response: 20 HZ to 20KHZ, Dynamic Range: >90dB, THD + Noise: <.02% Analog Line Input |
| Analog Line Input | Connector: RCA (Unbalanced), Impedance: 10K ohm, Nominal Level: -10dBu |
| Analog Line Output | Connector: RCA (Unbalanced), Impedance: 50 ohm, Nominal Level: -10dBu |
| Amplifier | Connector: 2- Pin Molex Euro, Impedance: 8 ohm, Amplifier Output: 2x20 Watts |
| USB Audio Interface | Connector: Type-B, PC Audio Controls: Mute & Volume, PC HID Controls: On/Off Hook |
| EasyMic Ports | Connectors: Two (2) RJ 45-F, Proprietary Interface, 100' (30.4m) Cat-5 Cable Distance Maximum |
| Audio Processing Settings | 8-Position Dip Switch - Mixing Modes, Compressor, Filter and Delay |
| Power Supply | 18 VDC, 2.75 Amp with AC Cord Set |
| Serial Control Protocol | RS-232 (external control) |
| Dimensions/Weight | 8.375" (212.73mm) W X 6.0" (152.4mm) D X 1.72" (43.7m) H, 1.42 lbs. (0.65kg) |
| Accessories | Rack Mount Kit for EasyUSB Mixer/Amp 998-6000-004 |

### EasyMics (Table and Ceiling MicPODs)

| | |
|---|---|
| Audio Specifications | Frequency Response: 20 HZ to 20KHZ, Dynamic Range: >90dB, THD + Noise: <.02% |
| Microphones | Three Unidirectional Cardioid Mics per MicPOD, Freq. Response: 100 Hz-12KHz, Max Input Level: 115dB SPL |
| Audio Processing | Three (3) Acoustic Echo Cancelers per POD, Automatic Gain Control, Noise Reduction, Automatic Mic Mixing |
| User Controls | Mute, Volume, On/Off Hook, One-Touch Camera Preset Tracking |

### General Specifications

| | |
|---|---|
| Operating Temperature | 0°C to +40°C (32°F to 104°F), 20% to 80% Relative Humidity (All EasyTalk products) |
| Dimensions/Weight | EasyMic MicPOD: 7" (177.8mm) Diameter x 1" (25.4mm), 0.472 lbs. (0.214kg)<br>EasyMic Ceiling MicPOD: 2.5" Diameter Sphere, 0.113 lbs. (0.051kg)<br>EasyMic Ceiling Interface Box: 8.0" (203.2mm) W x 2.601" (66.07mm) H x 4.598" (116.8mm) D, 2 lbs. (0.91 kg) |

## COMPONENTS, PART NUMBERS AND SYSTEM OPTIONS

### Components and Part Numbers (can be ordered individually)

- **EasyUSB Mixer/Amp:**
  **999-8530-000 (North America) and 999-8530-001 (International)**
  Includes EasyUSB Mixer/Amp, USB 2.0 cable and power supply.
- **EasyMic MicPOD: 999-8500-000 (Worldwide)**
  Includes EasyMic MicPOD and 25' (7.62m) Cat-5e Cable.
- **EasyMic Ceiling MicPOD - White Version: 999-8510-000 (Worldwide)**
  Includes EasyMic Ceiling MicPOD (white), In-ceiling interface with ceiling tile support brace.
- **EasyMic Ceiling MicPOD - Black Version: 999-8515-000 (Worldwide)**
  Includes EasyMic Ceiling MicPOD (black), in-ceiling interface box with ceiling tile support brace.
- **EasyTalk Sound Bar: 999-8565-000 (Worldwide)**
  Includes EasyTalk Sound Bar, two 6' (1.83m) 18 AWG, 2 conductor speaker cables and two (2) rubber feet.
- **Bose DS-16 Speaker Kit: 999-8560-000 (Worldwide)**
  Includes two (2) white Bose DS-16 Speakers, tile support braces and plenum rated back cans.

### Preconfigured System Options and Part Numbers

- **EasyTalk USB Audio Bundle - System A:**
  **999-8620-000 (North America) and 999-8620-001 (International)**
  Includes Easy USB Mixer/Amp, EasyMic MicPOD and EasyTalk Sound Bar.
- **EasyTalk USB Audio Bundle - System B:**
  **999-8630-000 (North America) and 999-8630-001 (International)**
  Includes one Easy USB Mixer/Amp, two (2) EasyMic MicPODs and EasyTalk Sound Bar.
- **EasyTalk USB Audio Bundle - System C:**
  **999-8640-000 (North America) and 999-8640-001 (International)**
  Includes Easy USB Mixer/Amp, two (2) EasyMic Ceiling MicPODs (white) and one (1) Bose DS-16 Speaker Kit (w/2-speakers).
- **EasyTalk USB Audio Bundle - System D:**
  **999-8645-000 (North America) and 999-8645-001 (International)**
  Includes Easy USB Mixer/Amp, two (2) EasyMic Ceiling MicPODs (Black) and one (1) Bose DS-16 Speaker Kit (w/2-speakers).
- **EasyTalk USB Audio Bundle - System E:**
  **999-8650-000 (North America) and 999-8650-001 (International)**
  Includes Easy USB Mixer/Amp, two (2) EasyMic MicPODs (table mics) and one (1) Bose DS-16 Speaker Kit (w/2-speakers).

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