

EasyTalk™ Wireless USB Mic System



Wireless Lavalier System

Key features of the EasyTalk Wireless Lavalier System include

- HD Wireless Link with Adaptive Frequency Hopping (AFH) for interference free operations.
- USB Audio Output on receiver allowing connection to PC for Skype type applications.
- Rechargeable Belt Pack for extended hours of operations using lithium-ion battery pack.

The system consists of a Belt Pack Unit, Lavalier Microphone and Receiver. The EasyTalk Wireless Receiver works in conjunction with a Belt Pack Unit (BPU) transmitter and Lavalier microphone worn by the presenter to send the presenter's speech for connection to the room's audio or conferencing system. The wireless link utilizes Adaptive Frequency Hopping (AFH) technology supporting the transmission of full bandwidth audio digitally to the receiver.

The receiver has a balanced or unbalanced line level output for connection to amplifier, videoconferencing codec or other room A/V equipment. In addition, the receiver has a USB audio output that can be directly connected to PC emulating a microphone and speaker device for use with Unified Communication clients such as Skype, Microsoft Lync, Google+ and others. Front panel controls allow user to mute or adjust output volume. The back-panel GPIO is used for volume and mute functions that can be wired to external control systems.

The Belt Pack houses the 2.4 GHZ frequency hopping radio capable of transmitting full spectrum audio (20HZ to 20KHZ). Advanced radio protocols such as adaptive frequency hopping, forward error correction insure reliable communications and co-existence with other devices in the band. The Belt Pack includes a rechargeable lithium-ion battery pack for extended operations. Charging is accomplished with a micro-USB power supply or simple plug directly to PC.

The EasyTalk Wireless Lavalier System has incorporated user selectable digital signal processing (DSP) functions to meet application needs associated with the room. Functions include Automatic Gain Control, Speaker Equalization, Compressor, and Microphone Filtering.

INCLUDES

- EasyTalk Wireless Audio Receiver
- EasyTalk Belt Pack with rechargeable battery
- EasyTalk Lavalier Microphone with lapel clip and windscreen
- USB Charger and micro-USB cable
- 12 VDC PowerRite™ Power Supply
- Documentation



TECHNICAL FEATURES

Analog Audio Outputs

The EasyTalk Receiver has simultaneous balanced (+4dBu) and unbalanced (-10dBu) outputs for connection to room a/v equipment.

USB Audio Interface

USB 2.0 compatible audio peripheral device that emulates a microphone & speaker to the PC

2.4 GHZ Frequency

Digital Radio Link with HD Audio between belt pack and receiver. Radio link operates up to 100 feet line of sight. Uses license free ISM band for worldwide operations.

Advanced Digital Signal Processing

The EasyTalk Wireless Lavalier System has DSP functions for audio conditioning that may be desired in some room applications.

Simple User Interface and Control

Front Panel Mute and Volume Controls. Radio Pairing buttons on both Belt Pack and Receiver to establish radio link. Dip switch settings for advanced audio processing functions.

TECHNICAL FEATURES CONTINUED

- Easy Integration** Combine with Vaddio Presentation System, Cameras, or Audio systems for a complete A/V room solution.
- Made in USA** The EasyTalk Wireless Audio Interface is made in the USA, at Vaddio headquarters, Minneapolis, Minnesota.

TECHNICAL IMAGES



Rear Panel Connections

SPECIFICATIONS

Part Numbers	EasyTalk Wireless Lavalier System 999-8550-000 (North America) EasyTalk Wireless Lavalier System 998-8550-001 (International)
Audio Specifications	Frequency Responses: 20 HZ to 20KHZ Dynamic Range: >75dB THD + Noise: <.02%
Analog Line Output	Connector: XLR (Balanced) & RCA (Unbalanced) Impedance: 50 ohm (Balanced) & 10Kohm (Unbalanced) Nominal Level: +4dBu (Balanced) & -10dBu (Unbalanced)
USB Audio Interface	Connector: Type-B Type: USB 2.0 Compliant PC Controls: Mute & Volume
Microphone	Type: Cardioid Condenser Microphone Frequency Response: 70HZ to 16KHZ Max Input Level: <130dB SPL
Radio Link	Type: Adaptive Frequency Hopping Frequency Range: 2400 to 2483 Antenna: Monopole Maximum Power Output: 5dBm Receiver Sensitivity: -83 dBm
Audio Processing Settings	Belt Pack (6-Position Dip Switch)- Mic Gain Boost, AGC, Filter, Radio Disable Receiver (8-Position Dip Switch)- Compressor, Speaker EQ Filter, Mix Mode
User Control	Belt Pack- Microphone On/Off Switch, Power On/Off Switch, LED Indicators Receiver- Power Button, Volume Up/Down, Microphone Mute, Pairing Button, LED Indicators, VU Meter
GPIO	Inputs: Mute Control, Volume Up, Volume Down (Active Logic Low) Outputs: Mute Status
Receiver Power Supply	Connector: 5.5mm OD X 2.5mm ID coax receptacle Supply: 12Vdc, 1.0 amp, Autoswitching
Serial Control Protocol	RS-232 (Firmware Updates & ASCII Control)
General Information	
Operating Temperature	32° to 104° F (0° to 40° C)
Power Consumption	Maximum 12 watts
Dimensions (HxWxD)	Belt Pack: 4.5" (114.3mm) H X 3.0" (76.2mm) W X 1.25" (31.75mm) D Receiver: 1.72" (43.68mm) H X 18.93" (480.82mm) W X 6" (152.4mm) D Button, LED Indicators, VU Meter
Weight	Belt Pack: .15 lbs. (.068 kg) Receiver: 3.3 lbs. (1.5 kg)

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