

The PMI-1U Microphone PC interface is for use with ETS PM1 series microphones or electret and dynamic professional balanced microphones. Features include adjustable gain in two ranges, adjustable low cut filter and Mute switch with indicator. Also features Internal DC-DC converter for powering Electret mics without the need for an external power supply.

### **Microphone Placement**

Locate the microphone as close as possible to the area of interest in the space to be monitored. Do not mount the microphone near air conditioning vents, light fixtures or electrical equipment. Most microphones operate optimally 3-5 feet away from the subject(s) to be monitored. Microphones are still useable in the range of 5-25 feet but it is dependent on the level of background noise in the area. Experimentation in the environment will determine what distances work best.

### **PMI-1U location and power**

The PMI-1U interface box is designed to be placed near the PC or other USB compatible device. Once all settings are made, the interface can be located out of view. All controls are recessed to reduce the possibility of accidental “bumping” of settings.

### **Microphone Cable Run**

Run a professional grade microphone type cable (preferred) or a 22 gauge, stranded, two conductor shielded cable between the PMI-1U module and the microphone. Keep the cable run distance at or under 500 feet and away from AC power sources, light fixtures and electrical equipment.

### **Microphone input**

Connect the microphone per the wiring diagram in figure 1.

### **Phantom power and gain range switches**

If you are using a phantom powered mic such as the ETS PM1 series microphones, turn the phantom power switch on and set the gain range switch to the low position. If you are using a dynamic microphone, turn the phantom power switch off and set the gain range switch to the high position.

### **Microphone Volume**

Set this control for the best undistorted sound. Mid range for near field audio pickup and full Clockwise for far field pickup. Experiment with the settings for the best result.

### **Low Cut control**

The PMI-1U includes a low cut control for applications where pickup of low frequencies are less desirable. When turned to the fully clockwise or 150hz position, ambient background noise will be reduced. If the full fidelity of the microphone is desired, turn the control full counter clockwise or 20hz position.

### **Connecting to PC**

In sound settings of windows, select PnP Audio device for microphone input. We suggest setting the mic volume to midrange for near field applications and full volume for far field applications. Experiment with the settings for the best result.

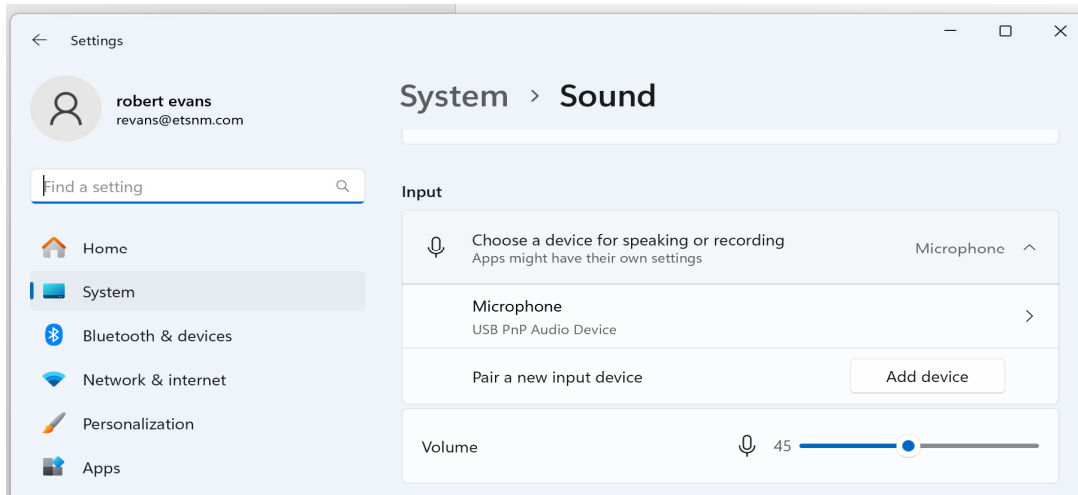


Figure 1

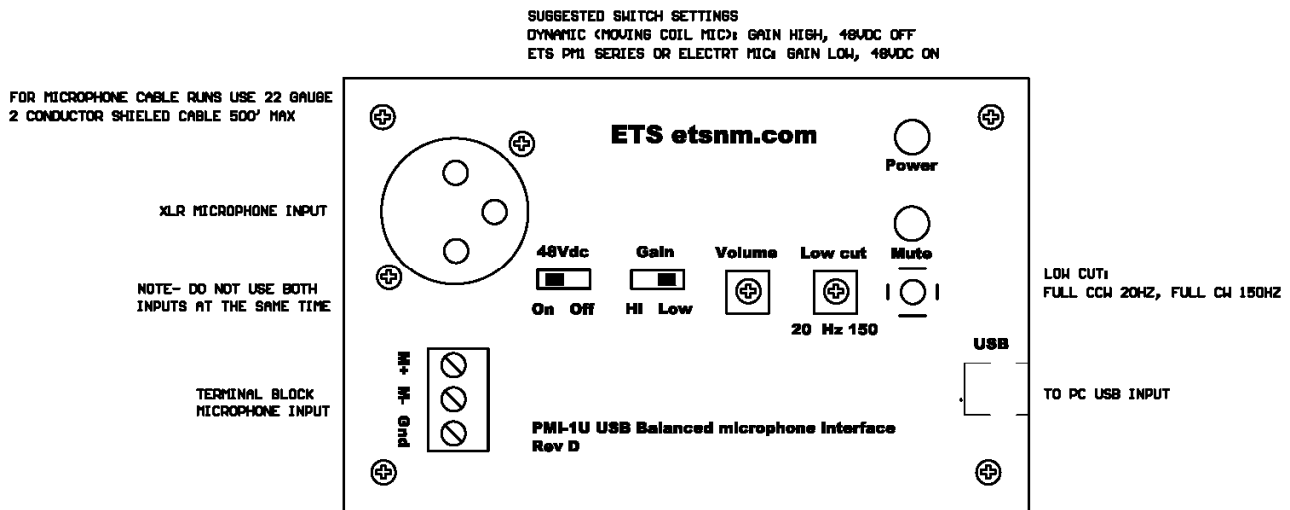


Figure 2.

**Caution**

It may be against the law to install this microphone kit in certain environments. It may also be against the law to record conversations of the person(s) being monitored without their knowledge. It is the responsibility of the installation company and end-user to determine if the application of this product is legal. These laws vary from state to state. If you are not informed on these matters, consult a qualified attorney or contact the appropriate state agency. A sticker is provided with this kit for the applications where notification must be posted.

**Warranty**

All ETS products carry a one year parts and labor warranty. This warranty does not cover damages as a result of misuse, improper handling of the unit or exposure to extreme temperatures or moisture. At its discretion, ETS reserves the right to repair or replace this unit under the conditions of the warranty. If you experience problems with your equipment call ETS at: 505-888-3923 to obtain a return authorization number. Equipment requiring repair beyond the warranty period or units that have been damaged or are not covered under the warranty can be repaired by ETS for a minimal cost under most conditions.

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