

The MPI-1 is a high quality, 12V-24VDC powered, Microphone pre-amplified microphone for use with ETS ML1 series microphones and permits connections to DRVs, audio recorders, etc. Note- the audio output of the MPI-1 is switch selectable “line level” (0db) or “microphone level” (-30db).

### **Microphone**

The MPI-1 is designed to be used with ETS ML1 series microphones (or any other PC compatible microphone). Plug the ML1 microphone into the “mic in” jack of the MPI-1. Do not mount the ML1 microphone near air conditioning vents, light fixtures or electrical equipment. The ML1 microphone should be placed as close as possible to the subject of interest. The ML1 microphone is useable in the range of 3-25 feet but is dependent on the level of background noise in the area. Experimentation in the environment will determine what distances work best.

### **Cable Runs**

The length of the microphone input cable can be up to 25' long. The cable run from the audio out jack to the end device should not exceed 1000' of high quality shielded cable. *See Figure 1 for connection diagram.*

### **Mounting**

The MPI-1 can be surface mounted on a wall behind a DVR, Audio recorder, PC, etc.

### **Adjusting the MPI-1 Gain**

The MPI-1 output level is set by selecting the desired volume range and adjusting the gain control.

The “Volume Range” switch should be set to the “LO” position when using the MPI-1 with devices that utilize “microphone inputs” also known as “Mic. Level” inputs. This sets the maximum gain of the MPI-1's pre-amp to x14. The switch should be placed in the “HI” position when connected to “Line level” inputs of DVRs or other devices. This sets the maximum gain of the MPI-1's pre-amp to x196.

The MPI-1 is shipped with the gain set at midrange. If the sound at the “head end” is distorted, rotate the control towards the – mark (counter-clockwise). If the volume at the “head end” is too low, rotate the control towards the + mark (clockwise).

### **Setting the MPI-1 Hi-Cut/Lo-Cut Switches**

The normal frequency response of the MPI-1 microphone is 200-13Khz. The low cut filter can be adjusted from 200-1khz. Rotating the control clockwise increases the lo cut frequency. Cutting the low frequencies is useful when background noise needs to be reduced. We recommend experimenting with the jumper settings to achieve the best acoustic result for your application.

### **Hum or radio station pick up**

If you experience unwanted hum or pick up of AM radio stations on the microphone, try placing a wire on the lower left ground screw of the MPI-1 to a known good electrical ground.

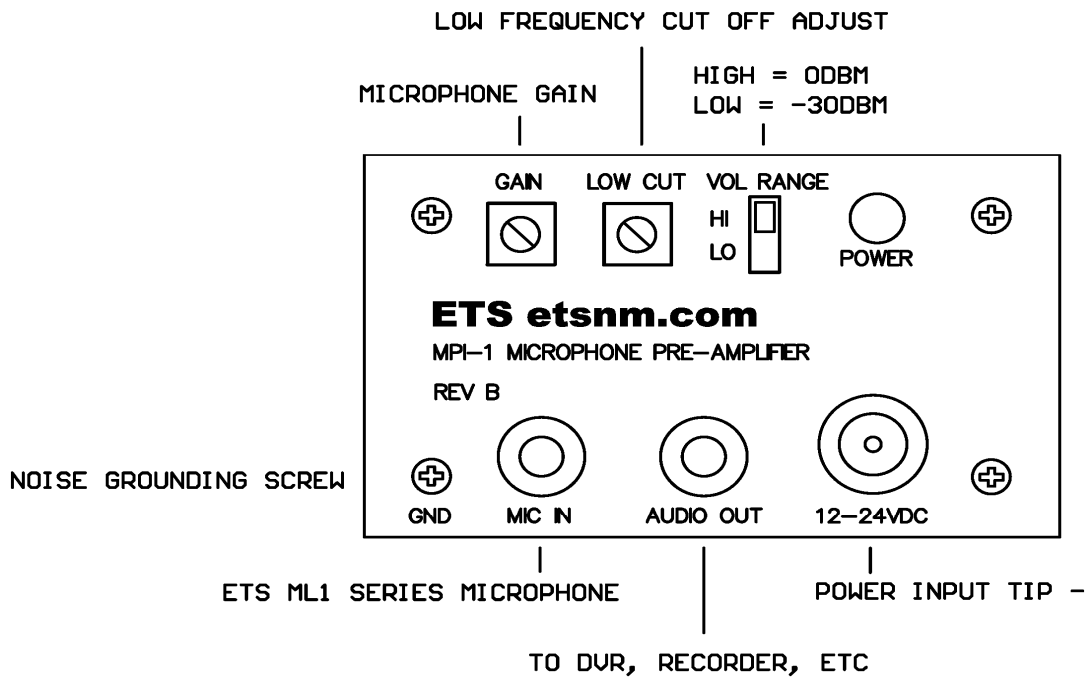


Figure 1.

### 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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by  
**ETS Inc.**