

The SMEA-1PA is a microphone Interface box that is designed to be used with ETS ML1 series un-pre-amplified microphones and Power Over Ethernet IP cameras that have an audio (line level) input.

ML1 Microphone Placement

Locate the ML1 microphone as close as possible to the area of interest in the to be monitored. If a large area is to be monitored, locate the ML1 in the middle of the room. Do not mount the microphone near air conditioning vents, light fixtures or electrical equipment. The ML1 should be placed as close as possible to the subject(s) to be monitored. The ML1 is useable at distances of up to 25 feet but is dependent on the level of background noise in the area.

Experimentation in the environment will determine what distances work best.

SMEA-1 location and power

The SMEA-1 interface box is designed to be located any place along the IP camera CAT5 cable run. It must be located in between the IP camera and the PoE network switch as shown in figure 1.

NOTE- The IP camera MUST be connected or the SMEA-1 will not power up.

ML1 Cable Run

ML1s come standard from ETS with 6' cables. ML1s can be ordered from ETS with cord lengths up to 25' long. Exceeding this distance increases the risk of noise pickup in the cable.

SMEA-1 Output

The SMEA-1PA comes standard with a 6' 3.5mm patch cord. TR are the signal and S is ground. You can order the SMEA-1PA with an RCA output or flying lead option. You can also cut the end of the standard 3.5mm connector and strip back the insulation to use the wires for termination on terminal blocks. The RED and BLACK wires are the signal and the shield is ground.

Adjusting SMEA-1 Level

The level setting comes set from the factory at ½ volume. If the volume is too low or too high on your head end system, use this control along with gain settings in software to get the best possible sound. Experimentation will determine which settings work best.

SMEA-1PA Mode switch: The SMEA-1PA supports Both Modes A and B of IEEE802.3af POE. The SMEA-1PA is pre-configured for the most common use of the "end point" POE IEEE802.3af standard (mode A). If the power LED does not illuminate in this position, try the mode B position (mid span).

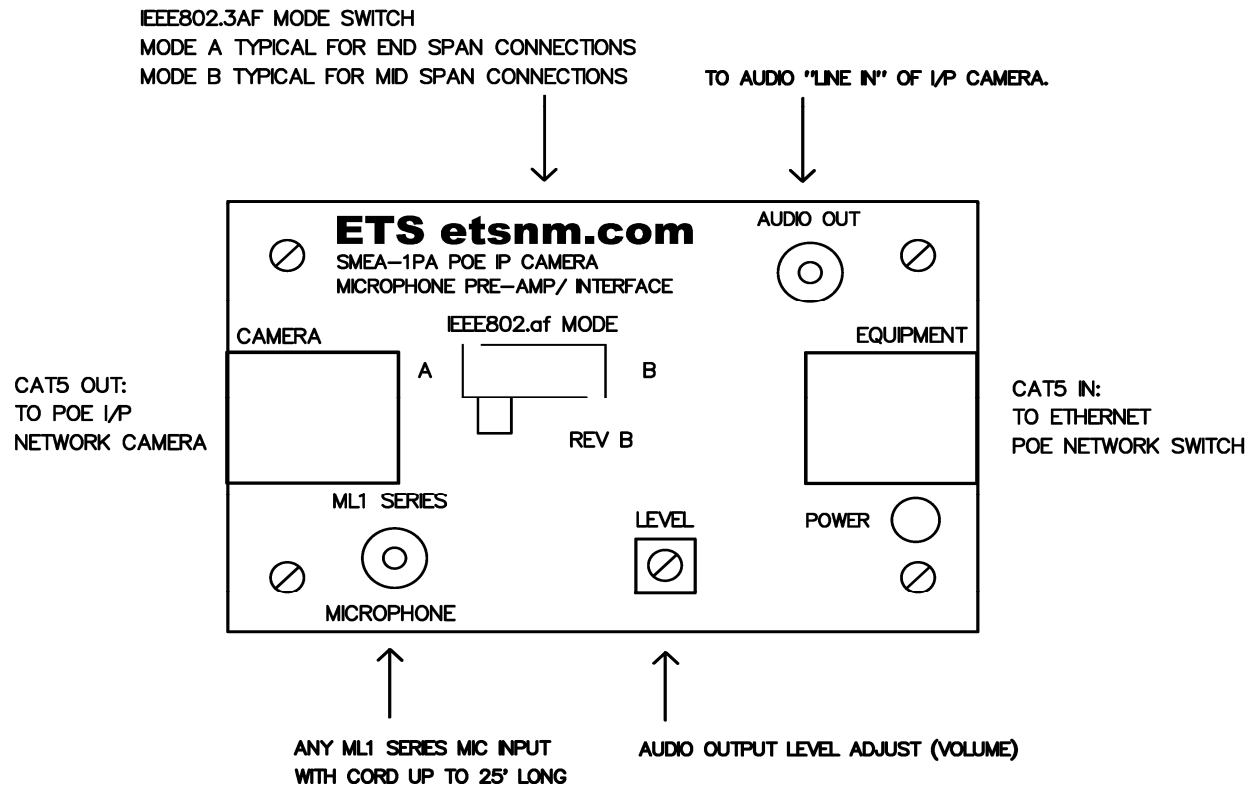


Figure 1.

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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