

The ETS EEM-1 series microphones are designed as a higher performance substitute for the 2107 and 2102P Eagle microphones.

Microphone Placement

Locate the EEM-1 Microphone near the area of interest in the room to be monitored. If the entire room is to be monitored, locate the EEM-1 in the middle of the room. Do not mount the microphone near air conditioning vents, light fixtures or electrical equipment. The EEM-1 should be placed as close as possible to the subject(s) to be monitored. The EEM-1 is still useable at distances of up to 25 feet but is dependent on the quality of the camera / encoder and the level of background noise in the area. Experimentation in the environment will determine what distances work best.

Cable Run

Run a 22 gauge, stranded, two conductor shielded cable between the EEM-1 microphone and the monitoring device. Keep the cable run distance under 500 feet and away from AC power sources, light fixtures and electrical equipment. Leave the shield unconnected at the microphone and at the equipment side, tie the shield to an earth or panel ground (see figure 1). Two conductor unshielded can be used but the distance should be limited to 500' and noise pickup could present a problem.

Adjusting the Lo-Cut and Hi-cut filters

The EEM-1 high and low frequency response can be trimmed to reduce background noise. If you are primarily interested in capturing conversations and want to reduce air conditioning and other noises, rotate both controls (hi-cut and lo-cut) to $\frac{3}{4}$ full clockwise. The low cut filter has more of an effect on reducing background noise. Some experimentation may be required to achieve the best results for a given environment.

Adjusting the EEM-1 Volume

The EEM-1 is shipped with the Volume set at midrange. If the sound at the "head end" is distorted, rotate the control counter-clockwise. If the volume at the "head end" is too low, rotate the control clockwise.

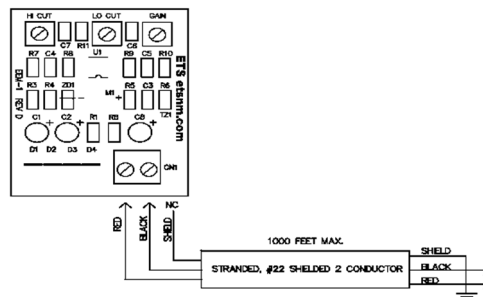


Figure 1. Cable connections

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.