

The PM1 series microphones are high quality, mic level output, 12 to 48VDC phantom powered, balanced output, un-pre-amplified microphones for use with professional audio consoles, security equipment or any device with compatible microphone inputs. The PM1 series microphones are also designed as a higher performance and lower cost substitute for the Crown PZM-11 phantom powered microphone.

### Microphone Placement

The PM1 should be placed as close as possible to the subject(s) to be monitored. The PM1 is 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. Do not mount the microphone near air conditioning vents, light fixtures or electrical equipment. Experimentation in the environment will determine what distances work best. For outdoor rated versions of the PM1, it is best to locate the microphone where it is not directly exposed to the elements to avoid accumulation of water, snow or ice.

### Cable Run

Run a 22 gauge, stranded, two conductor shielded cable between the PM1 microphone and the monitoring device. Keep the cable run distance at or under 500 feet. Keep the cable run away from AC power sources, light fixtures and electrical equipment.

### Adjusting the Lo-Cut filter

The PM1 contains a low cut filter which when turned on, will reduce the amount of low frequency background noise in the audio signal. The low cut filter is useful in interview room applications, point of sale, some outdoor applications or any application where picking up low frequencies is not desirable or required.

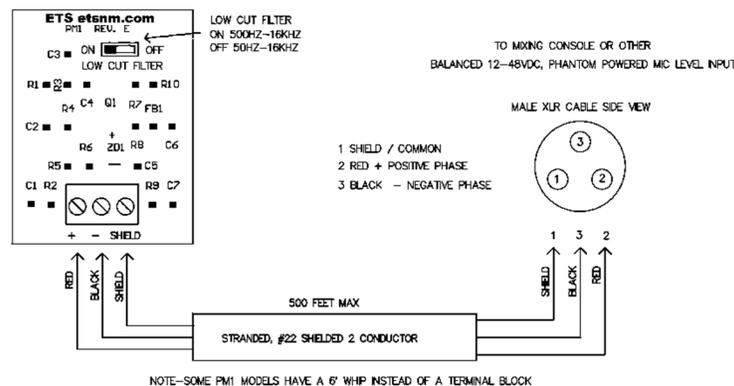


Figure 1. Cable connections

### Caution

It may be against the law to install this microphone 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.