

# **ETS Inc.** SM1-WBE Microphone Instructions

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The SM1-WBE is a high quality, weather resistant, bullet style, 12VDC powered, flush mount, omni-directional, pre-amplified microphone for use with DRVs, I/P cameras, etc. Note- the audio output of the SM1-WBE is “line level” (0db).

## **SM1-WBE Microphone Placement.**

The SM1-WBE is designed for outdoor applications but CANNOT withstand complete submersion in water. Do not mount the microphone near air conditioning vents, light fixtures or electrical equipment. The SM1-WBE should be placed at least five feet away from the subject(s) to be monitored. The SM1-WBE is still useable in the range of 15-25 feet but is dependent on the level of background noise in the area. Experimentation in the environment will determine what distances work best.

## **Mounting**

The SM1-WBE is designed to be surface mounted on any flat surface. The “swivel” mount permits the user to point the microphone in any direction.

## **Cable Run**

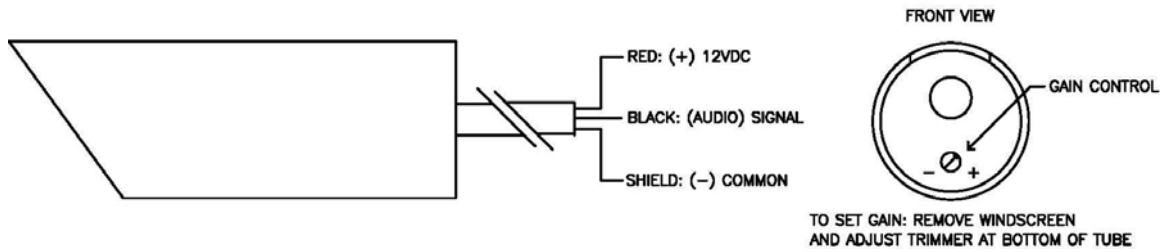
Run a 22 gauge, stranded, two conductor, shielded cable between the SM1-WBE microphone and the monitoring device. Keep the cable run distance under 1,000 feet and away from AC power sources, light fixtures and electrical equipment. Connect power to the Red wire, Ground to the shield wire and audio to the black wire. *See figure below.*

## **Adjusting the SM1-WBE gain**

Remove the windscreen and locate the gain control as shown in the figure on the back of this page. The gain is set to half-way from the factory. If the signal from the SM1-WBE is too loud, rotate this control counter clock-wise. If the signal from the SM1-WBE is too low, adjust this control Clockwise. Experiment with different settings until the desired audio level is achieved.

## **Sound Chamber Wind Screen**

Over time the wind screen may become saturated with moisture or dirt and the sound quality and volume will be noticeably reduced. If this happens, remove and soak the screen in soapy warm water. Then, rinse and wring out the excess water from the screen and reinstall it.



**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.**