

ETS Inc. UMB-1SS Microphone Instructions

The UMB-1SS is a high performance USB surveillance microphone typically for use in interview room applications. The UMB-1SS features adjustable hi / low cut filters and an ALC for optimum control over sound quality. UMB-1SS Can be connected to a PC USB input via an off the shelf USB mini B to USB cable, a 4 conductor shielded cable or a Cat5/6 ethernet cable.

UMB-1SS Microphone Placement

Do not mount the microphone near air conditioning vents, light fixtures or electrical equipment. The UMB-1SS should be placed as close as possible to the subject(s) to be monitored. The UMB-1SS 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.

Cable Run

There are 2 options for cable runs for the UMB-1SS and two options for the UMB-1SS-C5. Both models have a USB type B connection that you can run off the shelf USB cables up to 30'. If you need longer distances, you can use a readily available USB cable extender. The UMB-1SS microphone has terminal blocks and a cable to USB A connector so that you can run 4 conductor #22 wire cut to exact lengths. Cable run distances can exceed 30' in most cases without a problem. The UMB-1SS-C5 and its adapter allows you to use commonly available ethernet cable to make connections.

Mounting

The UMB-1SS-BPESS-LN can be surface or flush mounted on ceilings or walls. For flush mounting, cut a 2 ¼" by 2 ¾" hole in the wall or ceiling tile to allow room for the circuit board and mount the UMB-1SS-BPESS-LN to the surface with screws. A single gang electrical box can be used for surface.

Adjusting the Lo-Cut and Hi-cut filters

The UMB-1SS's 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 just short of full clockwise. Experimentation with the settings may be required to achieve the best results for a given environment.

Adjusting the Automatic Gain Control

The UMB-1SS features automatic control of gain. The factory setting should be sufficient for most applications. This is useful for environments where it is anticipated that sound levels will range from quiet to loud. The best way to set this control is to adjust it to a comfortable volume level (on an ETS base station or PC monitor speakers) when the loudest sounds are present and constant. Turning the control + CW will increase the amount of gain reduction during loud sound intervals. If the sound is reduced too much during loud sounds, turn the control - CCW a small amount and continue experimenting until a comfortable medium is found.

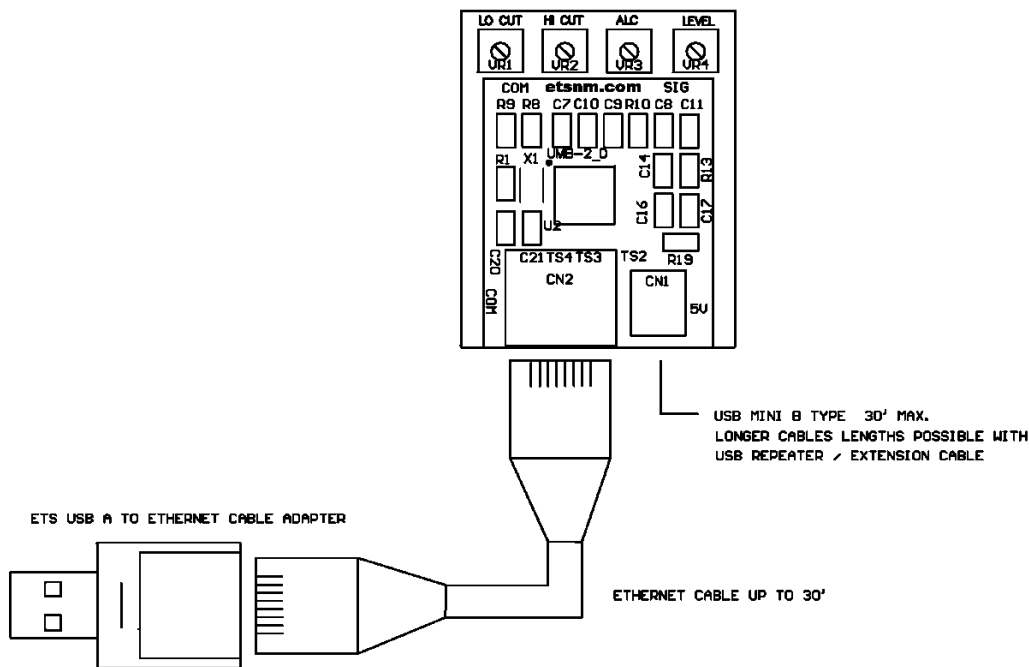
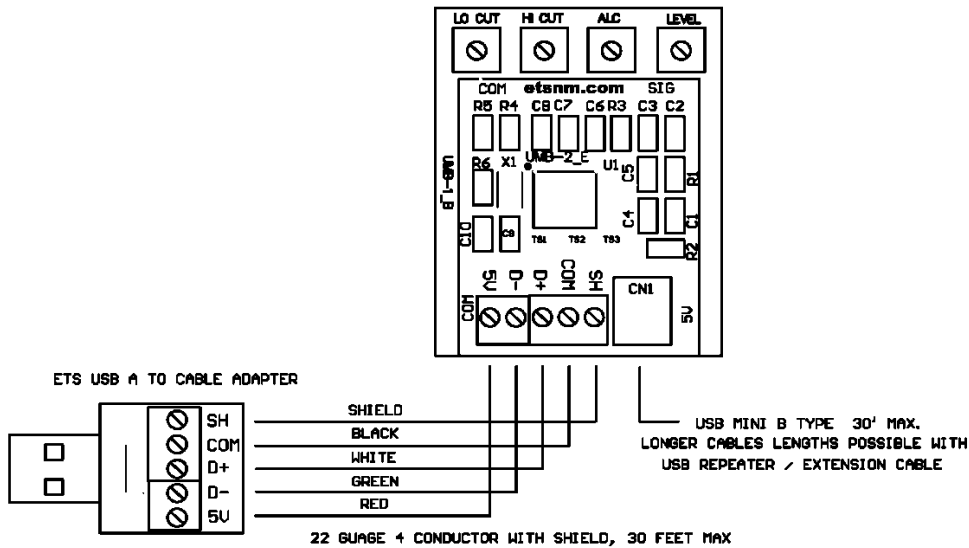
Adjusting the UMB-1SS Volume

The UMB-1SS is shipped with the Volume set at midrange. If the sound at the "head end" is too loud and / or distorted, rotate the control - CCW. If the volume at the "head end" is too low, rotate the control +CW.

Made in the USA

By

ETS Inc.



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.