

The MEAU-4 Microphone to PC interface is for use with ETS SM1 series microphones or similar. Features include 4 ch mixer with independent level controls, 7 band equalizer, USB interface, headphone and line outputs and Mute switch with indicator. Also features Internal DC-DC converter for connecting 12v powered pre-amplified microphones without the need for an external power supply.

SM1 Microphone Placement

Locate the SM1s microphones as close as possible to the areas of interest in the space to be monitored. Do not mount the microphones near air conditioning vents, light fixtures or electrical equipment. The SM1s should be placed as close as possible to the subject(s) to be monitored. An SM1 is usable 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.

MEAU-4 location and power

The MEAU-4 interface box is designed to be located next to the PC it will be used with. The MEAU-4 is designed to run completely off USB power. No external power supply is required.

Cable Runs

Run up to 4 each 22 gauge, stranded, two conductor shielded cable between the MEAU-4 mixer and the SM1 microphones. Keep the cable run distances under 1,000 feet and away from AC power sources, light fixtures and electrical equipment. *See Figure 1 for connection diagram.*

MEAU-4 level controls

Each microphone level can be adjusted to a higher or lower volume so that all microphones can be balanced out for similar sound levels. Experiment by adjusting each level control to achieve the desired overall volume.

USB Volume

This adjustment controls the output level of the microphone mix going into the PC.

Line Out and Level control

This is an analog output for use with any equipment accepting line level inputs. It also has its own independent volume control.

Headphone output and headphone Volume control

Use this jack with any headphone utilizing a 3.5mm stereo plug. You can adjust the volume of the headphones independently of all other settings.

AGC adjustment

The AGC is a feature designed to lower the volume of the microphones when sounds become loud. If possible, make this adjustment when the loudest sounds are occurring. Adjust it to the same level as when there are no loud noises is the idea.

Equalizer adjustments

You can switch the equalization in or out of the circuit with the equalizer switch. Experiment with Adjusting the levels to get the best sound quality for the environment the microphones are in. Repeatedly switching the EQ switch in and out will give you a reference to judge how well the EQ settings are working.

MEAU-4 audio output

This output is typically connected to the audio input of the DVR, IP camera, etc. You can extend this output up to 1000 feet using audio coaxial cable and 2 field installable RCA (or 3.5mm) connectors.

Mute Switch

Use this switch to temporarily mute the microphones if needed. Note the mute function only works on the USB output. When the red LED light is lit, the mics are all muted.

USB output

Connect this output with the supplied cable to your PC. The name of this USB device is PnP Audio Device. Run the device manager and expand audio devices if needed to identify its presence.

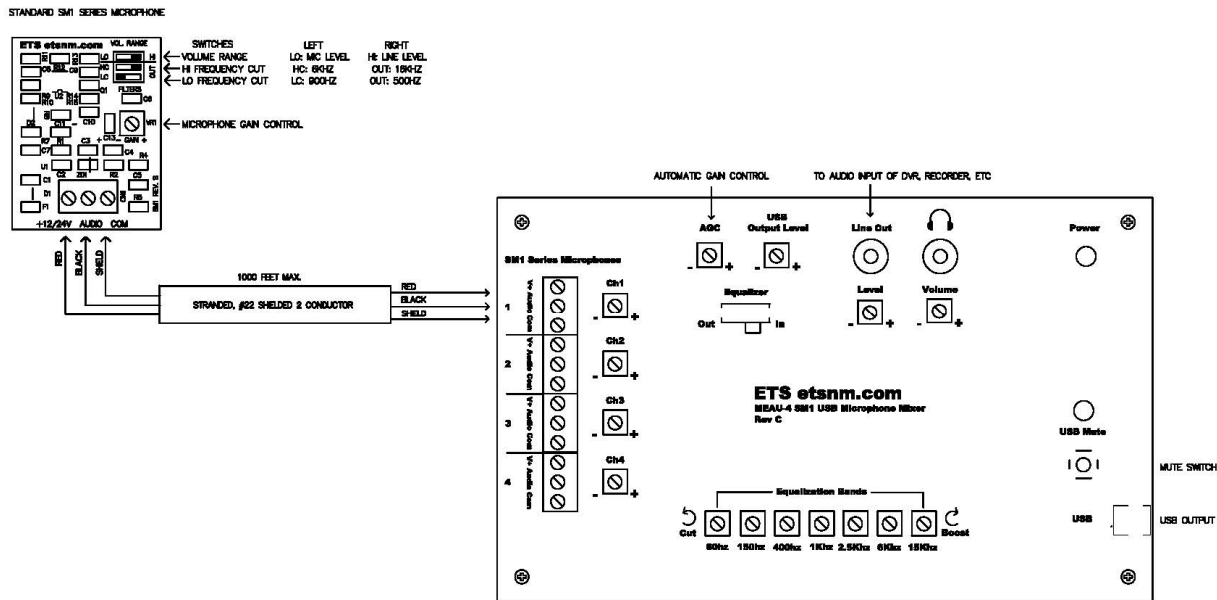


Figure 1

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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