

ETS Inc. HPDA-3 Monitoring Station

Instructions

The HPDA-3 is a flush wall mounted, headphone monitoring station for use with ETS SM1 series microphones. The HPDA-3 is housed in a double gang stainless steel plate for ease of installation on electrical boxes. The HPDA-3 features independent amplifiers and volume controls for up to 3 headphones. The HPDA-3 also features DVR connectivity for live and playback sound monitoring.

SM1 Microphone Placement

Do not mount the microphone near air conditioning vents, light fixtures or electrical equipment. The SM1 should be placed as close as possible to the subject(s) to be monitored. The SM1 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

Run a 22 gauge, stranded, two conductor shielded cable between the SM1 microphone and the HPDA-3. Keep the cable run distance under 1,000 feet and away from AC power sources, light fixtures and electrical equipment. Connect power to the + terminal, the audio signal to the "audio" terminal and ground to the - terminal. The Ground of the power and audio signal must share a common ground for proper operation. See *Figure 1 for connection diagram*.

Mounting

The HPDA-3 can be flush mounted in a wall or surface mounted. We suggest you use a remodel box for sheet rock installations.

Adjusting the SM1 Gain

We suggest setting the gain on the SM1 microphone full clockwise and if needed make any further mic gain adjustments with the "Mic Level" control on the HPDA-3.

Setting the SM1 Hi-Cut/Lo-Cut Jumpers

The normal frequency response of the SM1 microphone is 500-13Khz. When both switched "in", The "HI Cut" and "Lo Cut" filters set the SM1's frequency response to 900-6Khz. Enabling one or both of the filters is useful when background noise needs to be further reduced and intelligibility of speech emphasized. We recommend experimenting with the switch settings to achieve the best result for your application.

Headphones

You can plug any type of headphones into these jacks and adjust the volume with the corresponding volume control.

DVR or audio recorder connection

The HPDA-3 can be connected to a DVR as shown in figure 1. The switch on the front of the HPDA-3 is used to set the source to live audio or DVR playback audio. If a recorder is not used, place the switch in the live (right) position. For playback, place the switch in the left position. If a recorder is not used, the microphone will not be heard in the "playback" position of the switch.

STANDARD SM1 SERIES MICROPHONE

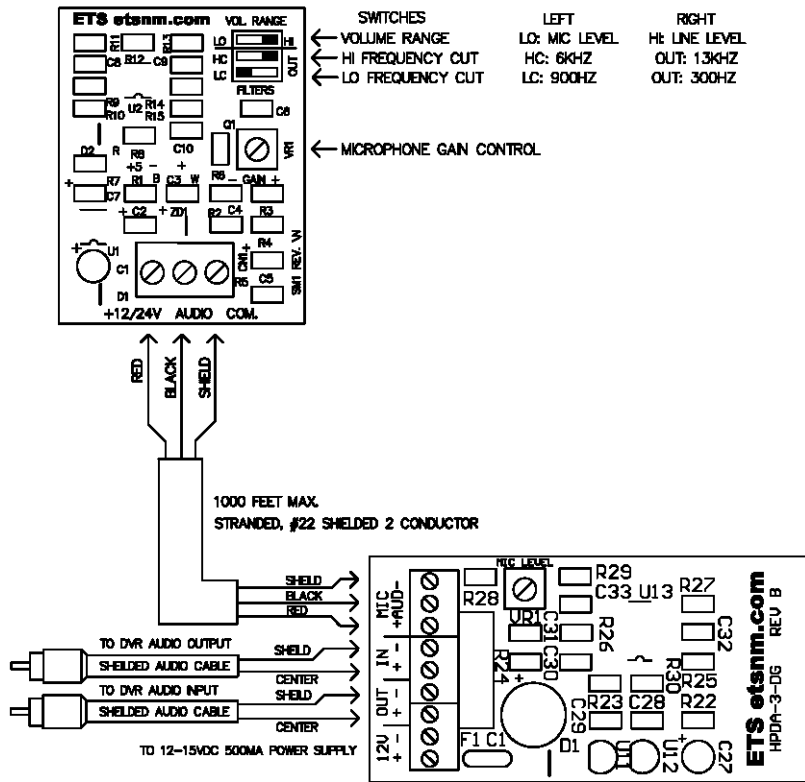


Figure 1.

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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