ETSInc. SA1HP Speaker Driver Instructions

The SA1HP is a single speaker driver designed to connect to the audio output of DVRs, I/P cameras etc, for two way audio applications. Note- the audio input of the SA1HP is “line level” (0db).

Speaker Placement
Locate the speaker (S) as close as possible to the area(S) of interest in the space to be monitored. Do not mount the speaker(S) near air conditioning vents, light fixtures or electrical equipment. The speaker(S) should be placed at least 5 feet away from the subject(s) to be addressed. A speaker 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.

SA1HP location and power
The SA1HP interface box is designed to be located next to a DVR or I/P camera. The SA1HP requires a 120VAC power source within 3 feet of its location.

Speaker Cable Run
Run a 20 gauge, stranded, two conductor shielded cable between the SA1HP amplifier and the speaker (s). Keep the cable run distance under 1,000 feet (70v mode only) and away from AC power sources, light fixtures and electrical equipment. *See Figure 1 for connection diagram.*

Multiple speakers (public address system)
Note-70v speaker systems allow long cable runs with multiple speakers and minimal power losses across the speaker wires. Use 70V speakers only in multi-speaker applications. Select wattage taps on speakers for desired volumes and total wattage not to exceed 30 watts. Connect all speakers with parallel wiring. You can use one 70V speaker and select the maximum power level tap.

70V / 8 Ohm speaker output switch
If you want to use an 8 Ohm speaker, place this switch in t he 8 Ohm position and limit your speaker cable run to 250 feet. If your are using a single 70V speaker, place the switch in the 70v position and pick the wattage tap closest to 30 Watts.

70V / line audio input switch
If you are using the SA1HP to boost the power level of an ETS bas station speaker output OR tying into an existing 70V public address system, place this switch in the “70V” position. If you are connecting the SA1HP to a DVR, I/P “line level” audio output, place this switch in the “line” position.

SA1HP level control
The speaker level can be adjusted to a higher or lower volume. Experiment with the level control to achieve the desired volume.

SA1HP audio line input.
This input is line level (0db). Connect this to the audio output of your DVR, I/P camera, etc. If the audio output are screw terminals, cut one end off the supplied patch cable and strip back the wires. Connect the center conductor to “+” terminal and the shield to the “-“ terminal.

Connecting STW base stations
Run a #22 shielded cable from an ETS base station speaker output to the SA1HP 70V input and select 70V input mode. Connect + to +, - to – and shield to shield.

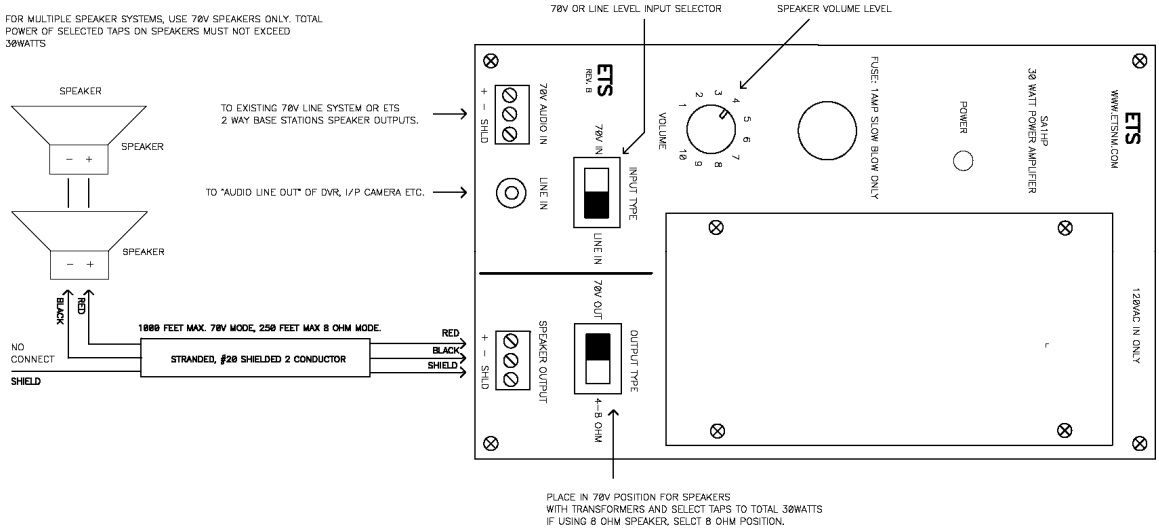

Figure 1.

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.