

This will fit ALL radios, the instructions assume 4 Pin Cobra/Uniden/Galaxy And Other Similar 4-Pin Radios but it can go on ANY radio , just make the pin number adjustments.

Processor Installation

1. Remove the wire connected to pin 2 of the microphone jack.
2. Connect the white wire of the shielded gray cable with the clear tubing to the location where the wire was removed in step 1.
3. Connect the white wire of the shielded gray cable with the black tubing to the wire removed in step 1.
4. Connect both shields to pin 1 of the mic connector.
5. Connect the red wire to the 12 volt switched terminal on the back of the volume control.
6. Connect the black wire of the switch to a ground connection on the PC board. (any of the metal transformer cans.)
7. Mount the SP1-a to the inside of the speaker side cover using the dual lock. Make sure the SP-1a doesn't come in contact with anything in the radio once the cover is in place.

Gray coax with clear tubing is the input.

Gray coax with black tubing is the output.

Red wire is +12 volt power.

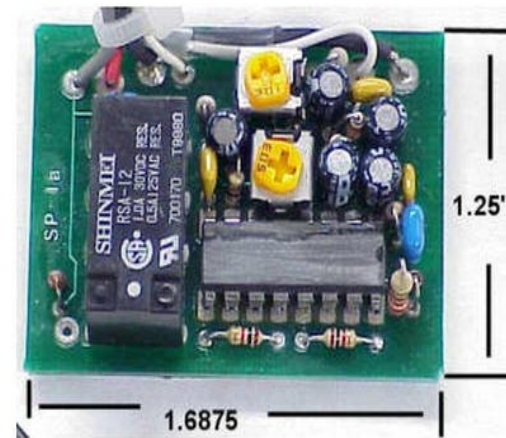
Gray wire is SP-1a switch; connect to ground to turn on processor

Processor Adjustments

1. VR-1 adjusts the compression level.
2. VR-2 adjusts the input sensitivity.



The SP-1a Speech Processor was developed by Clear Channel Corporation for the Ranger AR-3300 and AR3500 radios. It works well in most radios in AM FM & SSB. It is an audio processor that delivers an average of 90% modulation. It boosts lower levels to within 90% of it's maximum output with a very low distortion. It connects in-line of the audio Mic input of the microphone jack. It also requires a 12 Volt connection in the radio. A SPST switch can be used to switch the SP-1a in and out of the circuit. When switched off the speech processor is completely out of the circuit leaving the radio back to stock audio.



Features

- Complete Audio Processing for Condenser or Dynamic Microphones.
- Completely Shielded for High RF Immunity.
- No Batteries Needed.
- Premium Electronic Components & Circuit Board.
- 100% Production Tested.
- 90 Day Limited Warranty.