

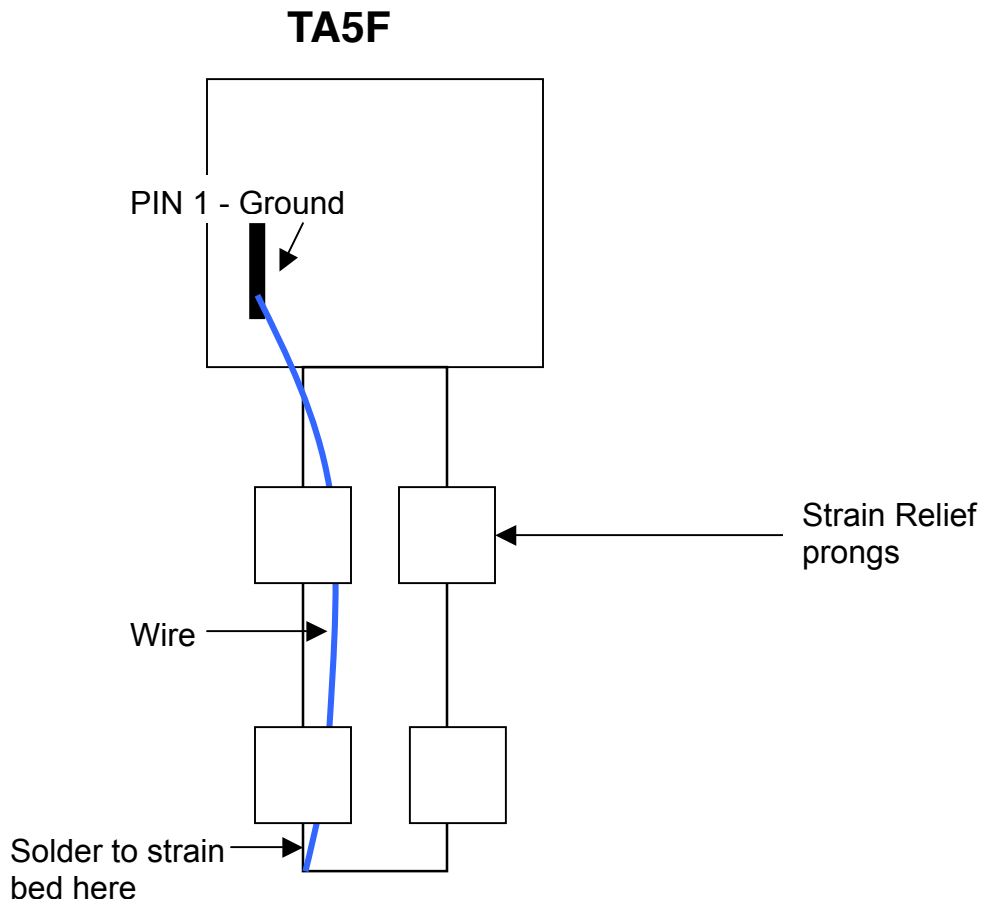
# REDDING AUDIO, Inc.

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97 SOUTH MAIN STREET, #10 NEWTOWN CT 06470  
PHONE: 203. 270.1808 FAX: 203. 270. 2934  
www.reddingaudio.com sales@reddingaudio.com

When wiring a TA5F for use on a [Lectrosonics SM](#) series transmitter, further than the different wiring scheme, it is also recommended to shunt the ground to the shell. Below is an example that we found to work very well, and it is durable. Just take a wire and solder it from PIN 1 of the TA5F to the strain relief bed as shown below. This is not an issue related to Voice Technologies; it is consistent with other lavalier brands as well on some SM transmitters. The problem is an intermittent RF “pinging” sound in the audio.

For VT500, VT506, VT502, VT700 and VT800



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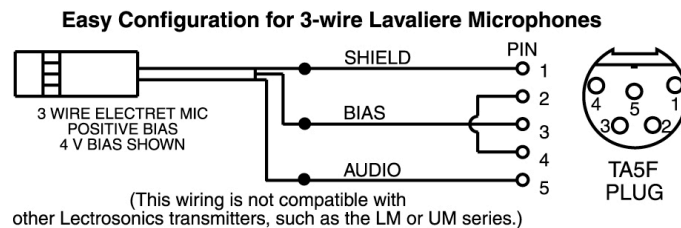
## VOICE TECHNOLOGIES TECH MEMO

Redding Audio offers Voice Technologies lavalieres VT500 and VT506 wired exclusively for Lectrosonics SM and "A" version Servo-Bias input models.

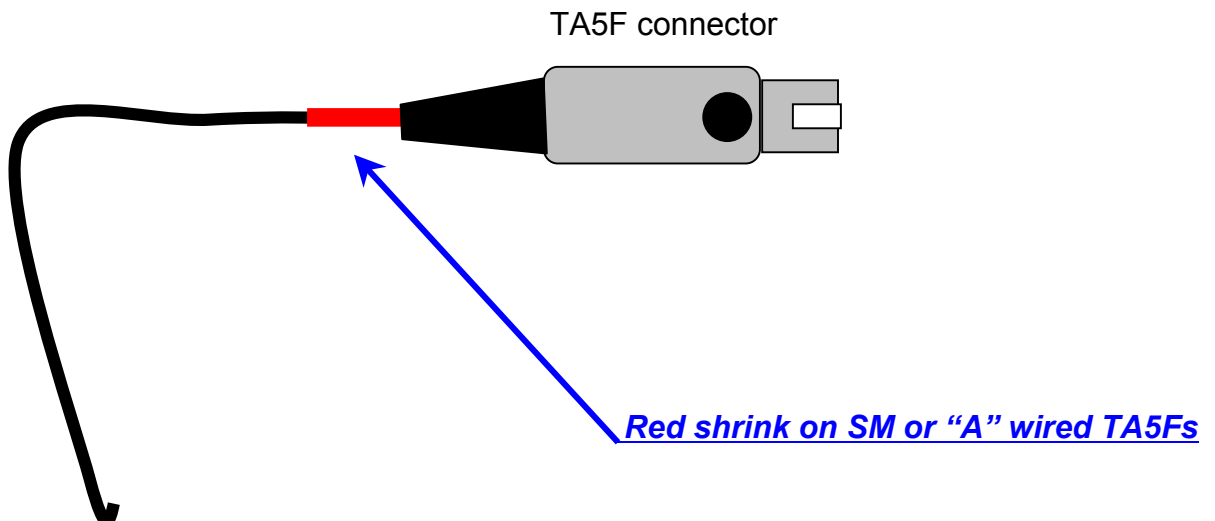
Thorough listening tests reinforced the benefits of going with this alternate SM wiring which will not work in original UM or LM models. We found that this wiring, plain and simple sounds the best. A standard 3-wire VT for UM and LM will work in the SM series, but does not sound all that good and doesn't take advantage of Lectro's input circuitry improvements.

## SM (+ All Servo-Bias Versions)

- Ground: Pin1 (also tie to strain bed)
- Bias +VDC: Pin 3
- NF-Audio: Pin 5
- Bridge Pin 2 to 4



**We differentiate all SM wired mics with RED colored tubing that is visible out of the connector as shown below.**



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## “Legacy” UM & LM (The original 3-wire wiring for Lectro’s before the Servo-bias input schema)

- Bias +VDC: Pin 2
- NF Audio: Pin 3
- Ground: Pin 1 (or 4)
- Bridge Pin 1 to 4

