

## VEC-512 *TunerAid*

### INTRODUCTION

This new VEC-512 *TunerAid* lets you tune up your antenna tuner without transmitting a single milliwatt! You can't cause QRM - there's no radiated power. You can precisely tune your antenna tuner for a **1:1 SWR** - no additional "tweaking" needed.

Protect your transceiver and antenna tuner. Avoid dangerous overheating and arcing caused by high SWR and long tune-ups. It's easy to use. Plugs between your transceiver and antenna tuner.

Adjust your tuner for a null in receiver noise by ear or by S-meter and you have **1:1 SWR!**

Tuning noise is modulated to make it easy to recognize.

And if you accidentally transmit, you won't burn up your VEC-512 *TunerAid*. Vecronic's *exclusive* RF\*Guard™ automatically bypasses your VEC-512 to prevent damage. Works with all transceivers from 160 through 6 meters.

### INSTALLATION AND OPERATION

The VEC-512 *TunerAid* connects between your transceiver and antenna tuner. A 12 Vdc, 300 mA power supply such as the AC-12 should be used to provide a proper power source for the VEC-512 *TunerAid*. Use a standard 2.1 mm coaxial plug with the center being positive and the sleeve being ground. Ensure that the **POWER** switch on the front panel is in the **OFF** position (out), then connect the power supply to the **POWER** jack on the rear panel.

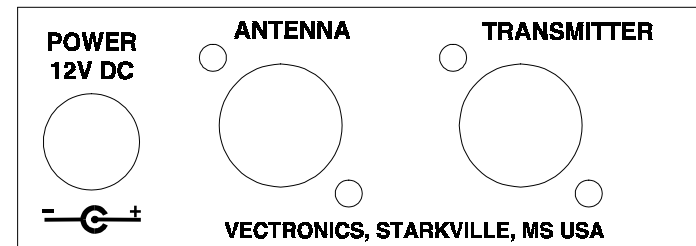
**Note:** The VEC-512 may also be powered by a **9V alkaline battery**. to access the battery connector, ensure the **POWER** switch on the front panel is in the **OFF** position (out), remove the screw on each side of the VEC-512 and remove the cover. **Be sure to replace the cover before operating the unit!**

Connect the *Antenna out* jack on your transceiver to the **TRANSMITTER** jack and antenna tuner to the **ANTENNA** jack of the VEC-512. Apply power to your transceiver and tune to the desired frequency. Next, apply power to the VEC-512 by pressing the **POWER** switch in. The **PWR** LED on the front panel of the VEC-512 should begin flashing and you should hear a pulsing "white noise" from your receiver. Adjust your tuner for a null in receiver noise by ear or by S-meter and you have **1:1 SWR!** Your antenna is now *matched* to your

transceiver! Remember to turn the power to the VEC-512 **OFF** before using your transceiver.



**VEC-512 Front Panel**



**VEC-512 Rear Panel**

### **TECHNICAL ASSISTANCE:**

If you have any problem with this unit first check the appropriate section of this manual. If the manual does not reference your problem or your problem is not solved by reading the manual, you may call *VECTRONICS* at **601-323-5800**. You will be best helped if you have your unit, manual and all information on your station handy so you can answer any questions the technicians may ask.

You can also send questions by mail to *VECTRONICS*, 1007 HWY 25 South, Starkville, MS 39759 or by Fax to 601-323-6551. Send a complete description of your problem, an explanation of exactly how you are using your unit, and a complete description of your station.