

VEC-514 *AutoTuner Extender*[™]

GENERAL INFORMATION

Does your automatic antenna tuner have limited matching range? Can't auto-tune your antenna on all bands? Do you have to pre-tune your antenna with a manual tuner?

The *VEC-514 AutoTuner Extender*[™] greatly extends your automatic tuner's matching range. Now you can match nearly *any* antenna automatically!

The *VEC-514* is a heavy duty, wide range impedance transforming device. It has been carefully designed for the flattest frequency response and the lowest loss.

Vectronic's *AutoTuner Extender*[™] transforms your antenna impedance -- up or down -- by as much as **10 times!** *The VEC-514* puts nearly *any* antenna into the matching range of your automatic tuner!

Extend your power range by transforming your antenna impedance so your tuner can be used in a **higher power Low-Q mode**. The *VEC-514* also extends *manual* antenna tuners.

You can use any transceiver from 160 through 10 meters with up to 300 watts.

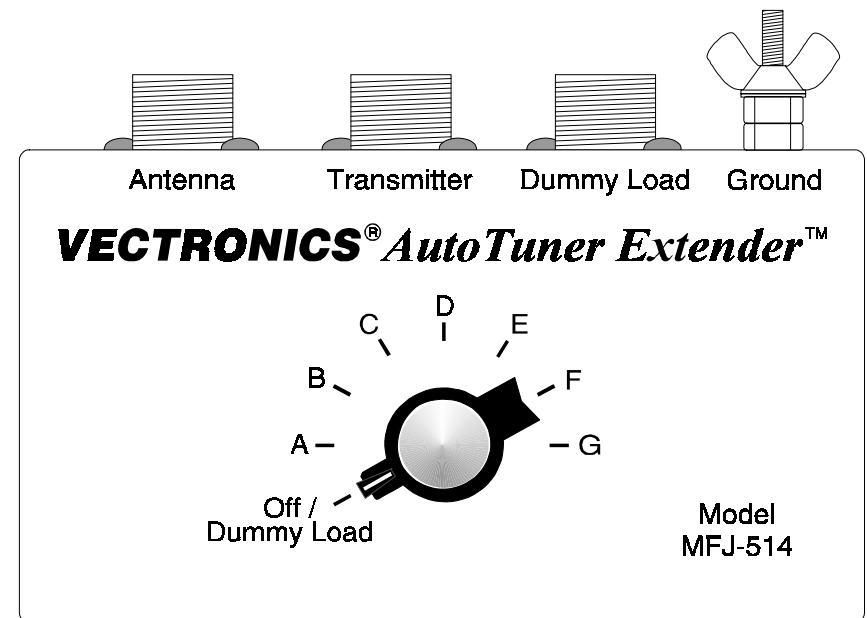
INSTALLATION

The *VEC-514* connects in-line between your transmitter and antenna. Connect your transmitter's antenna output to the SO-239 connector labeled **Transmitter**, and your antenna to the **Antenna** connector. For maximum protection of your transceiver, a 50 Ohm dummy load should be connected to the plug labeled **Dummy Load**, and the **Ground** stud connected to a *good RF ground*.

OPERATION

The *VEC-514 AutoTuner Extender* is easy to use! First, bypass your transmitter's auto-tuner. Then, while transmitting at a **low output power**, adjust the knob (from position **A** through **G**) on the *VEC-514* until you see minimum SWR on your transmitter. Now you're ready to autotune. The **Off / Dummy Load** position on the knob protects your transceiver by connecting it to an external dummy load, and by grounding your antenna to bleed off static. The switch position **D** provides a through connection from your transmitter to your antenna.

VEC-514 Front 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.