

Thank you for purchasing the AA-3913 4:1 Current Balun. The AA-3913 provides two important functions. First, it transforms 200-ohm balanced loads down to a 50-ohm source, perfect for feeding folded dipoles and 200-ohm collinear arrays with standard 50-ohm coax. Second, it suppresses common-mode RF current from flowing down the coax shield to your operating desk, causing “RF-in-the-shack.” The AA-3913 comes housed in a heavy PVC enclosure with stainless hardware and 14-gauge stranded copper pigtails that connect directly to the antenna element. It’s built to last and to keep all your transmitter power up on the antenna where it belongs!

SPECIFICATIONS

- Power Rating: 300 Watts PEP/CW
- Transform Ratio: 4:1
- Impedance: 200 ohms to 50 ohms nominal
- Frequency Range: 1.8 MHz to 50 MHz
- Configuration: Two-core Guanella design

INSTALLATION

- Strip and clean each antenna leg back about one foot – wire must be solderable.
- Bend each wire back on itself about four inches from the end.
- Install wires through the horizontal eyelet on the AA-3913 and wrap tightly 3-4 times.
- Bend each balun pigtail to form a “rain loop,” then wrap the end onto the antenna wire.
- Solder pigtail connections, allowing solder to flow all the way around.

When soldering, use care not to overheat the pigtail wires, as this may cause the PVC on the balun enclosure to soften. Also, confirm that the balun eyebolts carry all the pull force exerted by the antenna wire. The pigtails should droop loosely, forming a letter “U” and allowing rain to run off (rain loop).

SWR CHECK

Electrically breaking the common-mode path down your coax may alter both the antenna’s feed point impedance and resonant frequency. Before operating at full power with the balun installed, check your SWR at low power and make any necessary adjustments to antenna length or amplifier tuning.



TWO YEAR LIMITED WARRANTY

This Limited Product Warranty is provided by the Dealer where your Intellitron product was purchased. The Product Warranty extends only to the original purchaser of the product and is valid for a period of two years from the date of purchase. Please keep your dated sales receipt as evidence of the date of purchase. You will need it to receive warranty service. Your Dealer warrants the product will be free from defects in workmanship and materials under normal use. If the product fails to conform to the warrant and is within the warranty period of two years, contact your original dealer for a return authorization. Your dealer may choose to either repair or replace the non-conforming product.