

RT-11 Autotuner



When LDG Electronics started designing autotuners, we kept adding to the features as we released each new model. This was a classic "you asked for it" scenario between us and our customers. Yes, everyone has ideas, but when the majority say they want a particular feature, we would be foolish not to give our customers what they want. We have been asked for a couple of years to design a remote mounting, water resistant autotuner.

The RT-11 is one example of us removing some features. Let's face it, if you want to mount a tuner on your tower, you may not be thrilled with having an SWR meter or status LEDs, up 70 feet in the air behind the perpetual fog obscuring the top of your tower.

An added feature of the RT-11 is incorporated from the Z-11, we've added latching relays. These relays retain their settings so the RT-11 can be powered down once it is tuned. If you shut your shack down after a night of operating, and return the next morning to the same band and antenna, the tuner is in the same configuration that you left it.

The heart of the RT-11 is a 68HC11 Microprocessor which performs many hundreds of quick tests to determine the correct combination of capacitors and inductors to load your antenna system. The happy clatter of the relays is almost music like. Tuning is performed in 1 to 5 seconds with 3 being the average. The tuner can handle 0.1 to 125 watts (100 watts continuous, 50 watts on 6 meters) of RF power.

The RT-11 can be used anywhere. The water resistant case can be mounted on a tower, in a boat or car, outside the window of your shack, in your attic... almost anywhere. The RT-11 interfaces directly to ICOM, Alinco, and Kenwood tune buttons via an optional cable. In normal HF operation, the RT-11 will load a coax fed antenna system with an SWR or 10:1 or less. If you use long wire, random length, Zepp, or other unbalanced antenna systems, we have an external 4:1 Balun that works nicely with the RT-11.



If you are considering an autotuner for use inside your shack, you might consider purchasing an [AT-11MP](#). Another option would be to use the RT-11 with our optional Remote Control. The remote control has Power On and SWR Status LEDs, Auto / Semi Auto push button, manual tune and bypass buttons. The remote control will mount under your shelf, dashboard, by the helm, etc. It gives you an added measure of control over the RT-11. If shack space is a premium, the remote could mount nicely under a shelf while the RT-11 enjoys a spot on the carpet behind your desk.



Specifications

- Designed for Remote Mounting and Operation
- Water Resistant ABS Plastic Case
- 1.8 to 54 MHz coverage
- Tunes 6 to 800 ohm loads, 10:1 SWR (3:1 SWR on 6 Meters)
- Optional Remote Control Head
- Configuration: Switched "L" Network
- Tuning time: 0.1 to 5 seconds, 3.0 Average
- Current Consumption: 7 to 250 ma, 20 ma Average
- Voltage Requirements: 11 to 14 volts (user supplies power source)
- Power range: 0.1 to 125 watts, 100 watts continuous (50 watts on 6 meters)
- For Dipoles, Verticals, Vees, Beams or and Coax Fed Antenna
- Kit Builds in 6 to 8 hours (average)
- Enclosure size: 8.5 x 5.5 x 3 (measured in inches) Weighs 2.5 Pounds
- Flange Mounting Bracket
- 6 Meter Specs: 3:1 SWR or Less, 50 Watts output or less

LDG Electronics, Inc.

1445 Parran Rd.

St. Leonard, MD 20685 USA

Phone: 410-586-2177

Fax: 410-586-8475

E-mail: ldg@ldgelectronics.com

Web: www.ldgelectronics.com