

## Installation Notes for QRP Baluns & Ununs

Thank you for purchasing from **Balun Designs**. Your balun or unun is built to provide a very long service life by following a few simple installation procedures:

- The enclosure used for the QRP line of baluns and ununs is designed to be lightweight and portable. **If used in a permanent outdoor installation, additional attention must be given to weatherproofing the enclosure and potential strain relief of the coax connector.**
- The fit of the cover is very tight and the use of tape or sealants such silicone II is usually more than adequate to waterproof the enclosure. As an alternative, keeping the cover plate facing down and the enclosure elevated above ground level, will achieve a very high level of waterproofing. Some owners have also installed their unit in a molded disposable food container such those from Hefty or Glad. These are usually more than adequate to keep the elements out of the enclosure.
- In addition to weatherproofing, long term outdoor installs should also utilize two small weep holes (1/16") to allow condensate to escape. These should be drilled in the lowest point of the enclosure after the orientation of the unit is established.
- The QRP enclosure is medium duty polycarbonate enclosure and not intended to support any high level of pulling force or lateral stress. Wire used for antenna elements should be 18 gauge or smaller and feed line coax should be supported as close to the enclosure as possible. Use of RG-8X or smaller coax is also recommended.
- Please note any polarity markings on your balun/unun. Reversing these connections can potentially cause damage to your transceiver and or the balun or unun in use. Power limits shown on labels are continuous duty ratings and should not be exceeded.

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