

Mini Wire Antenna Kit Assembly Manual

Draft 2
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The Mini Wire Antenna can be used with D4D DSB Transceiver for FT8, HT-1A CW Transceiver and other QRP power level transceivers. It is tiny and light weight. You will need to supply the wire and coaxial cable by yourself since the shipping cost is high. The max OD for wire is 3mm, but it works great for thinner wire.

Applications

- 49:1 or 64:1 UNUN for EFHW
- 9:1 UNUN for Long Wire
- 1:1 BALUN for Dipole
- and etc...

Part List

- 1x BNC connector with washer and nut
- 1x 100p capacitor
- 1x Toroid Material -43 OD 16mm (Manufactured by Fair-Rite)
- Enameled Wires
 - 60cm 0.7mm OD Red
 - 60cm 0.7mm OD Shining Golden
 - 60cm 0.7mm OD Dark Golden
- 5x Cable Tie
- 1x Main PCB and 2x Insulator PCB



Chart

Application	BNC	CAP	Toroid	Radiator Wire
EFHW (49:1 UNUN)	Install	Install 100p	Twisted 2:14, common - G , 2 turn - B , 14 turn - L , see above photo	WL for long wire of half wave length
9:1 UNUN	Install	No Need	Tri-filar, F - G , D and E - B , B and C - R , A - L , see below	WL only for long wire of random length
Dipole (1:1 BALUN)	Install	No Need	Tri-filar, A - L , B and C - G , D and E - R , F - B , see below	WL and WR for both ¼ wave length

