

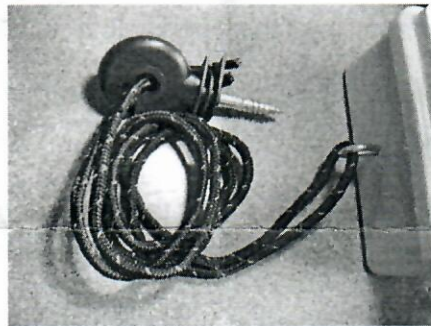
WATSON RESONANT END FED ANTENNA INFORMATION AND INSTALLATION

Please read this sheet before installation of your new antenna

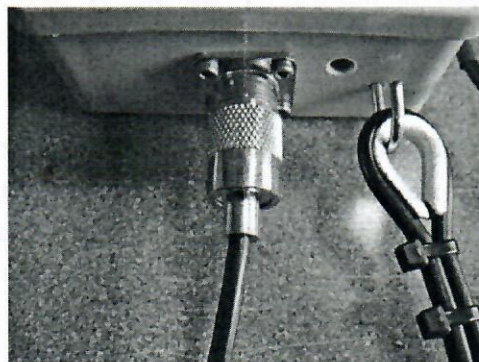
The antenna enclosed is resonant on the frequency/band it is designed for, it will not function on other bands so please do not try it as the VSWR will be high and you may damage your transceiver. **Maximum power rating is 150 watts PEP**

Also please note that the matching box along with the transmission line should be installed out in free space, as with ANY HF antenna it should not be near any metalwork, window frames or other antennas as this will detune its resonant frequency.

Suggested fitting: Tie the supplied insulator to the short cord supplied to the hook on the left hand side of the matching box. (see picture below) then screw the insulator into the house fascia board.

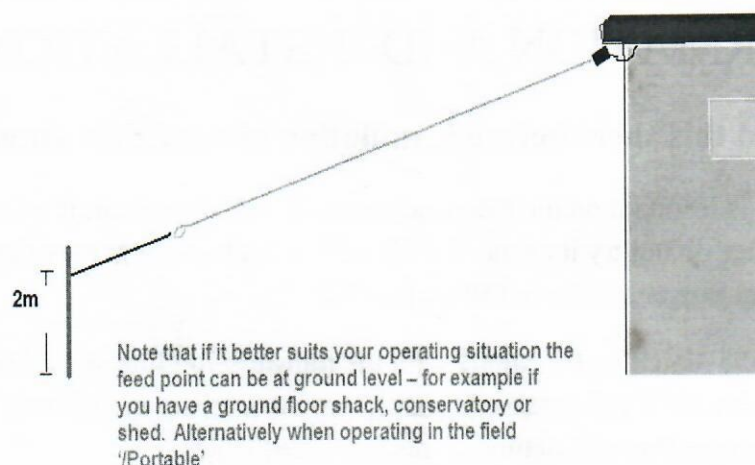


Fit your coax lead to the SO239 socket on the matching box and using the supplied self-amalgamating tape (stretch it to remove the backing) stretch the tape around the PL259 connector and coax to ensure a waterproof joint is made. Feed the coaxial cable around the thimble and secure it with the cable ties supplied. (see picture below), this is called a “strain relief” and protects the coaxial cable from being pulled out of the PL259 plug.



Finally, unwind the green Kevlar wire from the winding spool and slope it down the garden, tie it off to a fence, post or tree with the supplied cord that is on the winding spool, try to keep the end of the green Kevlar wire a couple of metres above ground.

EXAMPLE



If your operating shack is at ground level then you can do the reverse by placing the box about 2 mtrs high off the ground and slope the wire back up to the fascia board. This completes the installation.

The end fed antenna is set to near the mid centre of the band, if you require a lower (CW) or higher frequency from where the antenna is set then please do the following adjustment.

At the end of the Kevlar line there is a stainless steel eye that attaches to the cord, carefully undo the stainless steel sliding rope lock and extend the line to lower the frequency or shorten the line to increase the frequency. You will only need to shorten/lengthen the line by about 25mm for about 50 KHz shift, this will also depend on the sloping angle.

Please note that the box is sealed but has a condensation hole at the side of the SO239 socket, there are no internal adjustments and if the box is opened damage may occur to the tuned circuits.

Note: If you have bought the 60 Mtr or 80 Mtr version there are 2 additions, a coaxial lead (to join the matching box and choke balun together) and a common mode choke in a separate box. Connect the coax to the matching box and the other end to the choke, use the tape supplied to waterproof, then plug your coaxial lead into the choke and to your radio.

Good dx!