UK ANTENNAS

Instructions and Set Up Manual

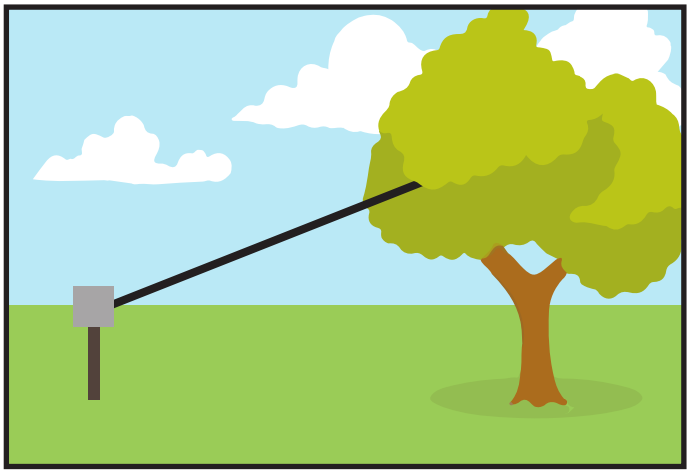
Thank you for choosing UK Antennas.

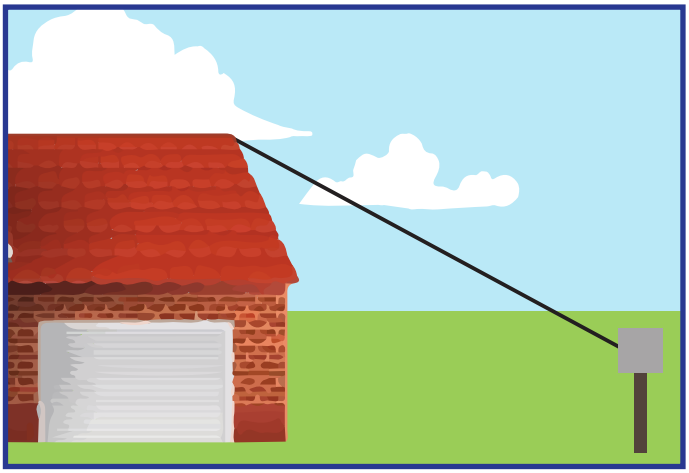
When installed correctly, there should be no need to tune the antenna although no two set-ups are the same.

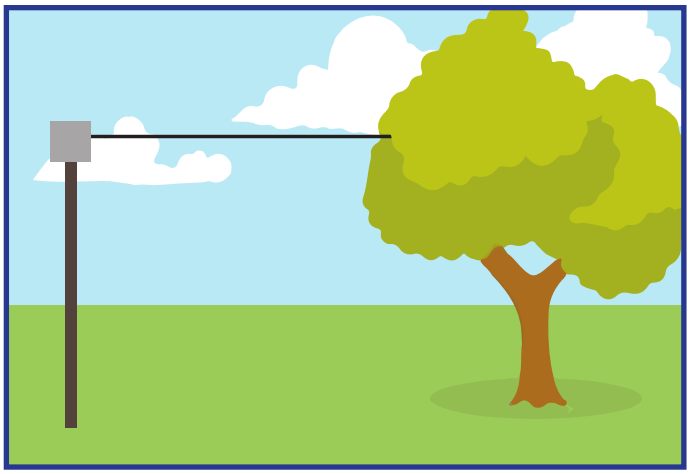
Please note that the single band antenna will only cover the band stated, DO NOT USE ON ANY OTHER BAND.

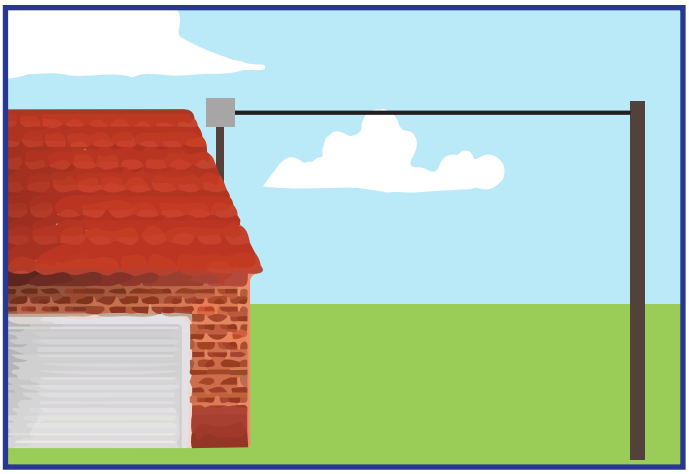
Positioning

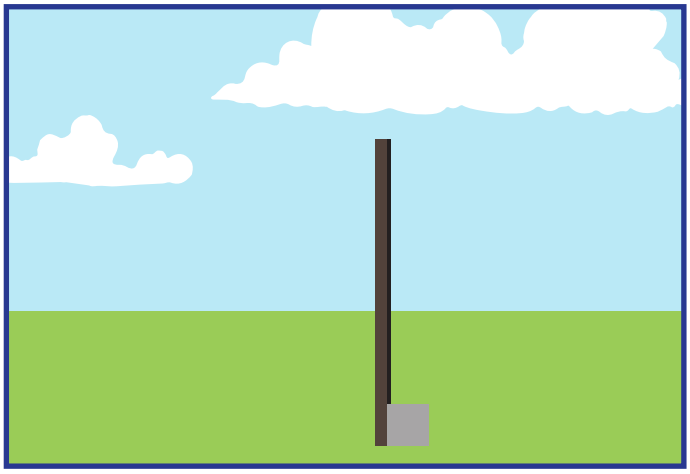
The antenna will work the best when high and in the clear, it can be used in almost any configuration: sloping, horizontal or vertical.











Positioning Notes:

- A non-metalic pole must be used in the vertical position.
- Keep ends away from conductive materials.
- Para cord on the end insulator is ideal.

WARNING: The end of the antenna and antenna terminal has a high RF voltage when transmitting.

When fed with 100W, the RF voltage will be around 500 V. Do not touch the antenna terminal or the ends of the antenna while transmitting.

Tuning

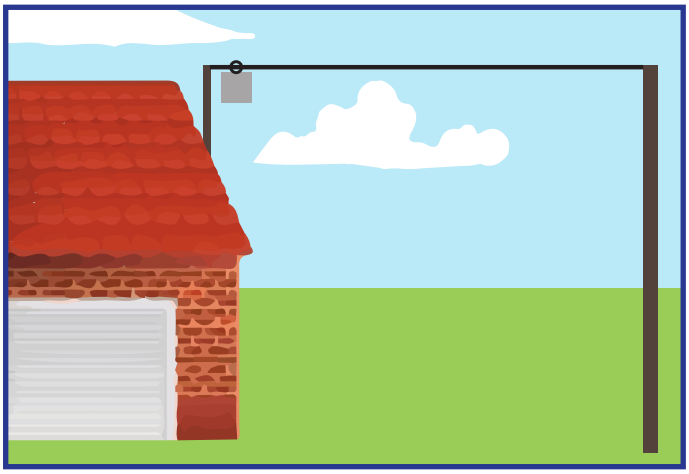
Erect the antenna in the desired configuration.
The configuration can effect the SWR but because of the high impedance it is quite forgiving compared to other antennas.

Connect the HF transmitter to the antenna connector with a SWR meter in line, or use your radio's built in SWR meter. Measure the SWR at your operating frequency and adjust the antenna wire until the SWR is at a minimum, don't cut the wire, just fold it back on itself.
If the SWR doesn't change or gets worse, then it is already at the optimum length.

If RF current becomes an issue a common mode choke can be inserted in the feed line at least 10 foot from the antenna and or at the radio end.

Non-bracket version

The non-brackets version is best supported with para cord using the eyelet at the top of the matching section box. This can be tied off on any support. Para cord is not supplied with the antennas but is available via www.ukantennas.co.uk.



Specifcation

Single band antennas

SWR <1:1.5
Power 800w PEP, 400w digi modes.

Multi band antennas

SWR <1:1.5
Power 400w PEP, 100w digi modes. High power version 800w PEP, 200w digi modes.

Antenna length is determined by the frequency.

- Mutli band (80, 40, 20, 17, 15, 12, 10m) approx 39m
- Mutli band (40, 20, 15, 10m) approx 20m
- Mono band 40m approx 20m
- Mono band 30m approx 14m
- Mono band 20m approx 10m
- Mono band 17m approx 7.8m
- Mono band 15m approx 6.7m
- Mono band 12m approx 5.7m
- Mono band 10m approx 5m