40/20 METER DUAL BAND INSTALLATION - ATTACHMENT

INTERNATIONAL ANTENNA COMPANY

888-268-4214

You are the proud owner of the new **DOUBLE BAZOOKA DUAL BAND ANTENNA.** The first thing to do is to consider which direction you want your maximum signal to radiate. The Antenna tends to be omni-directional, however, the largest lobes radiate from the sides. If you want your maximum signal to radiate North and South, extend the ends East and West. The antenna should be mounted in an inverted "V" configuration for the best results. The apex should be 25 to 40 feet above around.

Mounting on a push up pole or tower is easiest. Suspend the apex of the antenna from the eyehook provided at the center of the "T" mold. Next, extend the ends of both antennas outward and downward so the antenna forms an upside down "V". Mount the ends at least 10 to 30 feet above the ground forming an angle between 90 and 120 degrees from horizontal. Were horizontal would be 180 degrees. The 40 meter antenna leg on each side must be on the top of the 20 meter antenna leg.
Note ensure the 20 meter leg is not wrapped over the 40 meter leg.

When mounted as an inverted V keep the ends of the antennas separated by 3 to 7 feet in height at the ends to avoid interaction. An alternate configuration is to mount the 40 meter as a horizontal flat top and the 20 meter as a slight inverted V you created is between 90 to 120 degrees.

The ends may be fastened with cord to poles or whatever, using proper safety rules in safeguarding that persons, pets, and other objects cannot come in contact with any of the elements as shock hazards or RF burns could result.

- **Whenever connecting the ends of the antenna to an object it is recommended that a light or medium relief "springs" with a safe working load limit of 5 lbs be installed to compensate for any movement of the antenna or connecting object. "DO NOT USE A TENSIONER DEVICE"**

After mounting, the antenna, connect a 50 ohm feed line such as RG-58, RG-8 or RG-213 coax to the antenna and your transmitter. With a very low amount of output power applied to the antenna at your desired frequency, measure the SWR. An antenna analyzer may also be used to measure the SWR. Each of the antennas should exhibit an SWR of less than 2:1 250 KHz of the 40 and 20 meter bands. The antenna is cut for the CW portion of each band from the factory so further adjustment is optional.

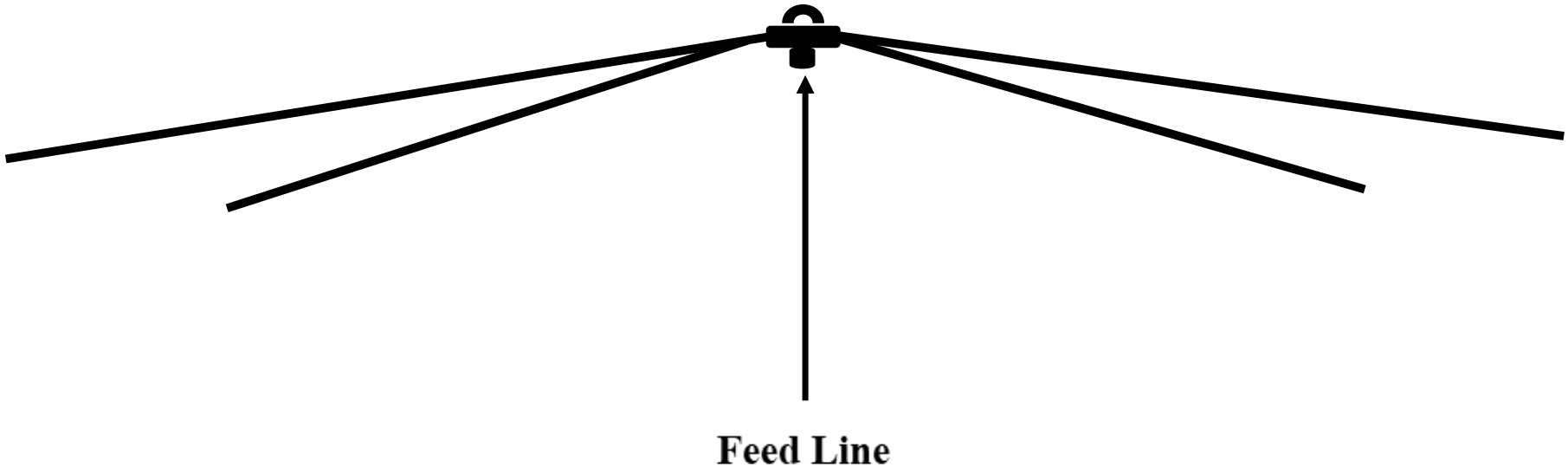
To lower the SWR, fold the 300-ohm twin lead back on itself ensuring it is flat on itself with no gaps equally on each side. The fold over of either 12, 24 or 36 inches must be done in a (**single fold over not multiple fold overs)** on each side of the antenna. This procedure will raise the operating frequency from the CW portion of the band. For more detail see tuning instructions on the IAC website located in the information section. Once the lowest SWR is obtained tie wrap the folded end securely to retain its position. If you measure a higher SWR, make sure that the antenna is not near or touching any metal objects such as rain gutters, aluminum siding, metal roofs, or metal push up pole.

Under certain conditions an antenna tuner may be required to obtain a lower SWR.

After making sure the SWR is within spec and everything is clear of the antenna. You are ready to operate and enjoy all of the great signals and DX contacts that this antenna offers.

We at IAC wish you the greatest DX' ing and are sure you will be pleased with your purchase.

IAC ACCEPTS NO LIABILITY FOR DAMAGE OR INJURY RESULTING FROM THE INSTALLATION AND USE OF THIS ANTENNA.



Dual Band Configuration