

# Volcano CERT 2m/70cm Antenna

## Instructions

### Equipment

- Diamond X300A Dual Band Antenna
- PVC tube containing 3 radials
- Coaxial cable (50')
- 10' Mast (Bottom section with flange base)
- 10' Mast (Top section with 3 guy lines)
- "Husky" tool bag

### Erecting the antenna

**Step 1:** Remove all of the equipment pieces outlined above from the container.

**Step 2:** Determine the area where the antenna will be set-up making sure that:

1. The antenna is **not located near any power lines.**
2. There is sufficient space (approximately 8'-10' from the base of the mast) and appropriate surface to secure the guy lines

**Step 3:** Attach the upper section of the mast to the lower section of the mast by inserting the upper section into the connector attached to the lower section (the ends to be connected are numbered #1) and tighten the eyelet screw firmly.

**Step 4:** Have one person hold the mast off the ground while another person attaches the antenna to the mast. Slide the antenna on to the top of the mast and tighten the two "U" bolts with the crescent wrench from the tool bag to secure the antenna to the top of the mast.

**Step 5:** Remove the 3 radials from the PVC tube and screw them into the base of the antenna.

**Step 6:** Unravel the coaxial cable and attach it to the mast using 3-4 Velcro straps from the tool bag.

**Step 7:** Place the foot pad end (base) of the antenna on the spot where the antenna will be located.

**Step 8:** One person should put his/her foot on the foot pad of the antenna to keep it from sliding on the ground when the antenna is erected vertically.

**Step 9:** Unravel and spread apart the 3 guy lines. Position three stakes from the tool bag on the ground where the guy lines will be attached.

**Step 10:** One or two people should now position themselves under the top portion of the mast and slowly walk and lift the mast toward its base until it is upright and vertical to the ground.

**Step 11:** Loosen the 3 guy lines and position them evenly around the antenna. Pound stakes into the ground at each end point and attach the guy line to the stake. Tighten the guy line by sliding the “red” guy line adjuster until the guy line is taught enough to support the mast and the mast is perpendicular to the ground.

**Step 12:** Pound 3 stakes into the holes of the foot pad to keep it from moving.

**Step 13:** Attach the coaxial cable a radio.