

# **α ALPHA ANTENNA®**

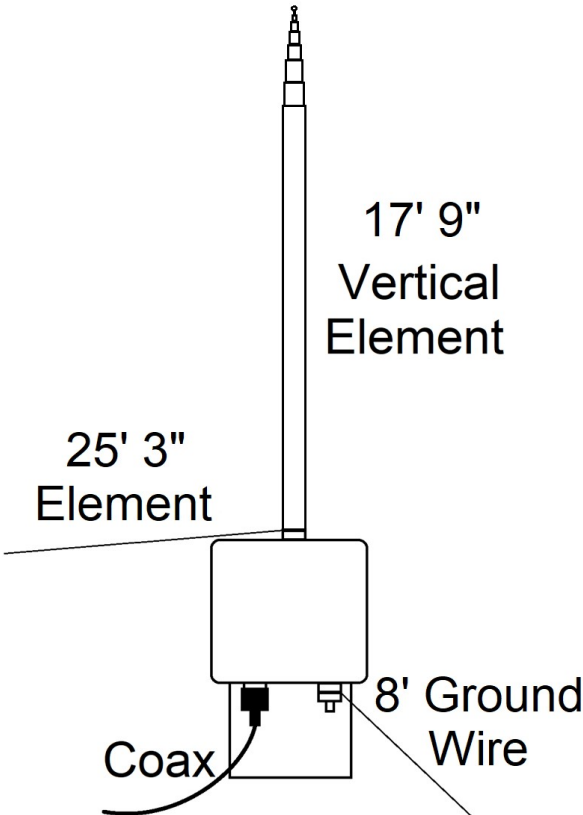
## 10-80 Meter HF Base LT Antenna

### Operation

This is a multiband system that allows the use of an external antenna tuner if it is installed over poor ground or not placed in a clear area. Please feel free to email us at [alphaantenna@gmail.com](mailto:alphaantenna@gmail.com) if you have any questions.

NOTE – Signals will launch away from the 25' 3" element.

### Deployment

	<p><b>NOTE - Never loosen any permanently affixed bolts, washers, or nuts on the match.</b></p> <p>Step 1 – Either install the Match on a wood fence post/plank using four screws by removing the included 1.25" mast mount adapter, alternatively install the antenna on your 1.25" mast.</p> <p>Step 2 – Place the 25' horizontal wire and vertical element on the top bolt of the Base Alpha Match then deploy and attach the 8' grounded counterpoise on the bottom bolt of the Base Alpha Match. The 8' grounded counterpoise wire should be run in the direction you would like your signal to launch. The 25' horizontal wire should then be run in the opposite direction.</p> <p>Step 4 – Push the stake on the 25' horizontal wire and the 8' ground wire and into the ground.</p> <p>Step 5 – Screw the Vertical Element onto the top bolt on the match then fully extend it.</p> <p>Step 6 – Attach your coax from your tuner to the SO-239 on the match.</p> <p><b>IMPORTANT!</b> When not in use or when winds are greater than 50MPH then the vertical element should be retracted.</p>
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### Specifications

ITEM	LEADING PARTICULARS
Operating Parameters	MAX POWER: 250W SSB, 125W CW, 25W Digital FREQUENCY COVERAGE: 10-80 meters (29.7-3.5 MHz)
Polarization	Horizontal and Vertical polarization
Input impedance	50 ohms
Azimuth	Semi-Directional
Elevation	NVIS & DX
Wind and ice	Guyed 50 MPH & non-guyed 40MPH wind with no ice.
Maximum/Minimum height	Stored 23 ½ inches deployed 18 feet 3 inches.