

Field Guide

HF BASE HD SR ANTENNA

Operation

This is a multiband system that allows SWR to be tuned by an external antenna tuner if it is installed over poor ground or not placed in a clear area. If installed in a clear area and over a ground with good conditions, then a tuner is not needed.

Deployment

Vertical Element

Mounting Plate

(4) Four 35' NVIS Elements

Jumper Wire

Auto Match

8' Ground Wire

Coax

1 & 2

3 & 4

NOTE - Never loosen any permanently affixed bolts, washers, or nuts on the match.

Step 1 - Deploy the vertical element and secure each section with the included clamps.

Step 2 - Install the antenna on your 1.25" mast using the included U-Bolts. Alternatively, install the Mounting Plate on a wood fence post using four large wood screws, after removing the two mounting the U-Bolts.

Step 3 - Secure the 35' NVIS Element ring terminals & jumper wire from the vertical element on the top bolt of the Auto Match then deploy and attach the 8' Ground Wire on the bottom bolt of the Auto Match. Then secure the four NVIS elements to the securing hooks on the vertical element.

Step 4 - Pull the four 35' wires in Step 3 out at about 90 degrees from each other, just as you would guy wires, then push the metal stakes into the ground to secure the wires. The 8' wire/stake can be placed at any angle to the longer elements, however, should not run along-side your coax.

Step 5 - Attach your coax from your tuner to the SO-239 on the match.

Specifications

ITEM	LEADING PARTICULARS
Operating Parameters	MAX POWER: 250W SSB, 125W CW, 25W Digital FREQUENCY COVERAGE: 10-160 Meters (30-1.6 MHz)
Polarization	Horizontal and Vertical polarization
Input impedance	50 ohms
Azimuth	Omni-Directional
Elevation	NVIS & DX
Wind and ice	Guyed 95 MPH & non-guyed 85MPH wind with no ice.
Stored/Deployed height	Stored height 42 inches & Deployed height 19 feet