BUDDIPOLE™ LOW BAND VERTICAL FOR 80 METERS

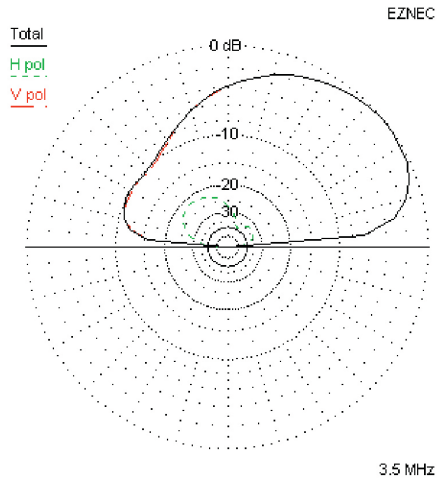
Assembly and Tuning

The Buddipole Low Band Vertical configuration utilizes the Low Band (large) coil, with one or more twenty-two inch arms above the coil and a telescopic whip (preferably the long version) on top. The resulting Buddistick™ is mounted vertically on the mast and tripod using a VersaTee™. The recommended deployment of the counterpoise wire is to slope the first 33 feet of the wire down from the VersaTee to a non-conductive support (electric fenceposts, bushes, etc) at least two feet off of the ground. The remaining 33 feet of counterpoise makes a ninety degree bend and is supported at least two feet off the ground on another non-conductive support. A Triple Ratio Switched Balun is used at the feedpoint set to 2:1 (50 to 25 ohms impedance transformation).

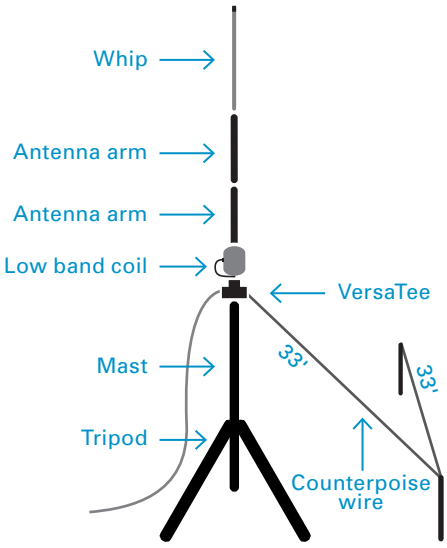
Tuning is accomplished by using an antenna analyzer or SWR meter to tap the coil for resonance. The counterpoise length can then be varied by winding the wire on a spool, reel or your hand to fine tune the SWR.

Radiation Pattern and Performance

Maximum gain occurs at a takeoff angle of thirty-five degrees, favoring the direction that the counterpoise wire slopes away from the VersaTee.



Low Band Vertical parts list	
Buddipole component	*Nr*
Telescopic whip	1
Buddipole 22" arm	2
Buddipole low band coil	1
VersaTee	1
Buddipole short mast	1
Buddipole tripod	1
Triple Ratio Switched Balun	1
Wire counterpoise with 3/8" ring terminal	66 feet
3/8 – 24 threaded half inch bolt	1



Try placing the coil on top of the feedpoint. Thread two dipole arms vertically and a fully extended whip on top. Tune single sloping and elevated radial for resonance.

This configuration is ideal for medium range 80 meter contacts and it is a reasonable performer for working DX, in spite of its compact size.

BUDDIPOLE

3155 SW 234th Avenue, Unit B
Hillsboro, OR 97123

503.591.8001 phone
530.232.2753 fax

info@buddipole.com
www.buddipole.com