

THE MAGIC BAND CAN GET BETTER WITH THIS FULL SIZE HIGH GAIN BUDDIPOLE BEAM.

THIS 2 ELEMENT HORIZONTAL YAGI COVERS THE FULL 6 M BAND WITH EXCELLENT FORWARD GAIN AND GOOD FRONT TO BACK RATIO.

#### DESCRIPTION

The beam consists of a reflector and a driven element mounted to a boom consisting of two rigid arms, attached to the mast at the center.

The reflector consists of two 5' 6" whips attached to the boom with an IT adapter.

The driven element consist of two 5' 6" whips which are attached to the boom by a VersaTee adapter.

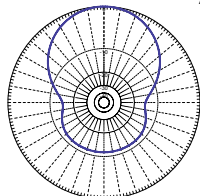
#### SPECIFICATION

FORWARD GAIN	10.37 dBi at 27 ° elevation
FRONT TO BACK RATIO	11.16 dB
VSWR	1.6:1 at 52.0 MHz
VSWR BANDWIDTH	4 MHz (1.72 :1 VSWR)

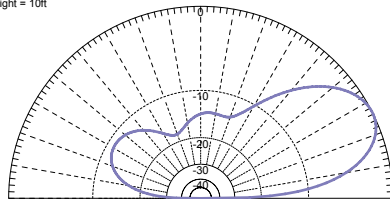
#### PERFORMANCE

##### Horizontal Polarization

f = 52 MHz  
0 dB = 10.4dBi  
Antenna height = 10ft

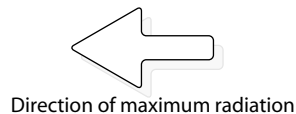
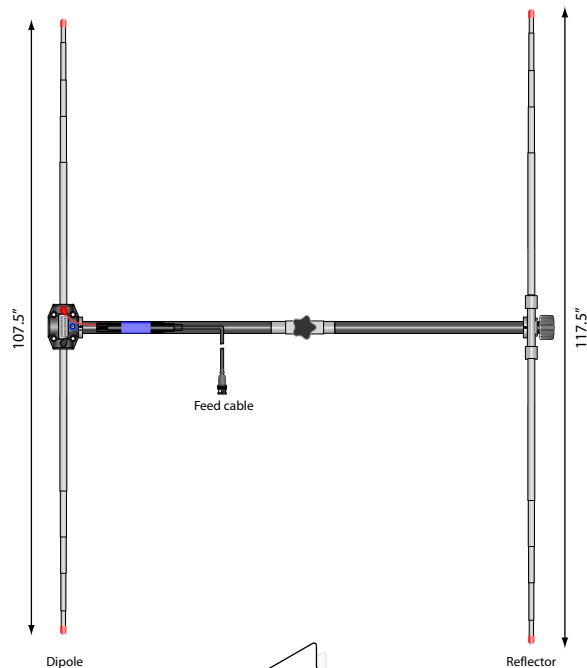


Radiation Pattern (Azimuth)



Radiation Pattern (Elevation)

#### TOP VIEW



Direction of maximum radiation

## PARTS LIST

- 1 5' 6" (1.65m) Telescopic whip x 4
- 2 Buddipole 22" (560 mm) arm x 2
- 3 Buddipole VersaTee x 1
- 4 IT adapter x 2
- 5 Yagi collar x 2
- 6 Mast adapter x 1
- 7 Buddipole 8' (2.44m) mast x 1
- 8 Buddipole Tripod x 1
- 9 3/8" x 24T x 1+1/8 long Threaded adapter x 1

## ASSEMBLY

## BOOM

Thread one 22" arm to each end of the central IT adapter to form the boom. Slip a Yag collar on to one end of the boom and thread the 3/8" threaded adapter into the end of the boom. Attach the VersaTee to the threaded adapter. Slip a second Yagi collar to the other end of the boom and attach another IT adapter to the end of the boom using a soft knob.

## DIPOLE

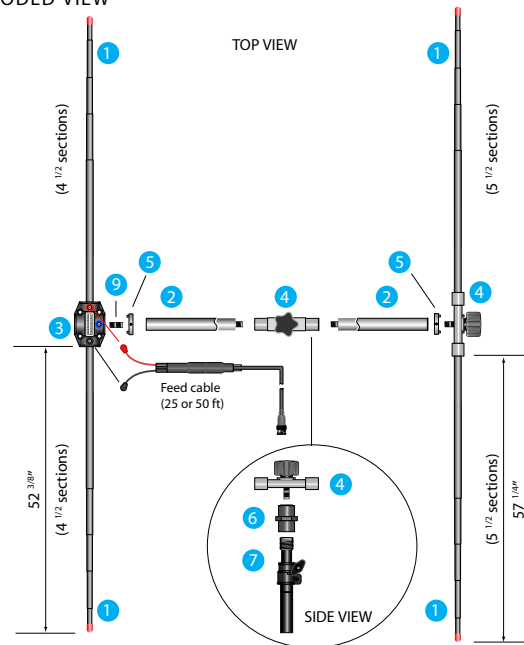
Thread two whips to the VersaTee to complete the dipole, and adjust the length of each whip so that the overall length (tip to tip) is 107.5". Swivel the Versatee on the boom so that the dipole will be horizontal when the antenna is attached to the mast. Tighten the lock screw on the Yagi collar at the dipole end.

## REFLECTOR

Thread two whips to the reflector IT adapter to complete the reflector, and adjust the length of each whip so that the overall length (tip to tip) is 117.5". Swivel the reflector IT on the boom so that the reflector will be horizontal when the antenna is attached to the mast. Tighten the lock screw on the Yagi collar at the reflector end.

Assemble the tripod and mast and thread the Mast Adapter onto the mast. Place the antenna onto the mast and secure with a soft knob as shown in the side view. Attach the feed cable to the VersaTee and secure the cable to the boom using the velcro cable wrap. Raise the mast and have fun on the 6 meter band.

## EXPLODED VIEW



WHIP LENGTHS (number of sections)

	Standard	Long
DIPOLE	4 1/2	2 1/2
REFLECTOR	5 1/2	2 3/4