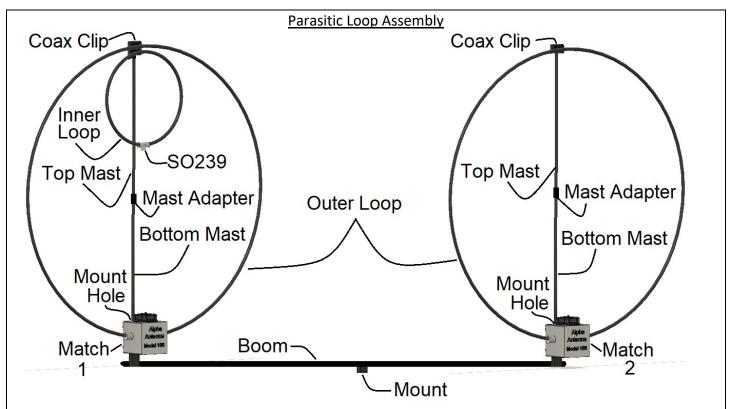
CALPHA ANTENNA®

Model – MEGA Loop ™ User Guide, Version 1.2, May 25, 2023

Operation

The Alpha MEGA Loop™ is a portable dual element 10-to-40-meter Parasitic Magnetic Loop Antenna for amateur ham radio operations. Please email us at alphaantenna@gmail.com if you have any questions.



- 1) Assemble the support masts by inserting the Bottom Mast into the Mount Hole on the Match.
- 2) Then insert the Top Mast with the Coax Clip into the Mast Adapter of the bottom Mast.
- 3) Next, attach the Large Outer Loop to the PL259s on each Match and form a circle.
- 4) Then insert the Outer Loop into the Coax Clip at the top of each Mast.
- 5) Next, place the Small Inner Loop at the top of one mast at the lower position of the Dual Coax Clip.
- 6) Attach your coaxial feedline with a PL259 to the SO239 on the Small Inner Loop.
- 7) Using the Mount on the Boom install the assembled Parasitic Loop on a mast or tripod.
- 8) Last, guy your deployment.

Tuning

Attach your antenna analyzer.

- 1. Turn the black tuning knob on Match 1 for the lowest SWR.
- 2. Turn the black knob on Match 2 for the highest SWR.
- 3. Find the lowest SWR by retuning Match 1 then switch and tune Match 2 for the lowest SWR.
 - a. REPEAT STEP 3 till the lowest SWR is achieved.