

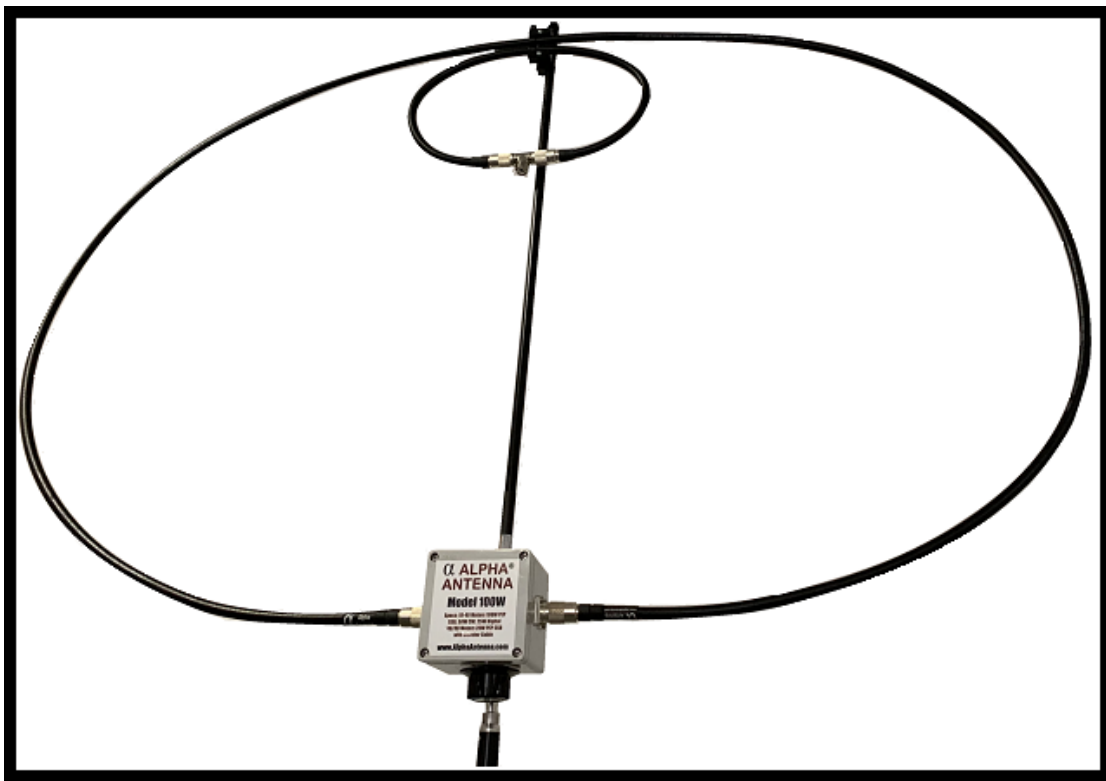
α ALPHA ANTENNA®

Model – 100W Alpha Loop

Operating Manual, Version 5.0, June 11, 2019

Operation

The model 100W Alpha Loop is a 10-40 Meter transmit/receive antenna, which handles 25 Watts Digital, 50 Watts CW, and 100 Watts PEP SSB.



Excess RF Exposure Warning

In the United States, the Federal Communications Commission has established guidelines for human exposure to Radio Frequency (RF) electromagnetic fields no matter what the antenna type. The commission's requirements are detailed in parts 1 & 2 of the FCC's rules and regulations {47 CFR, 1.1307(b), 1.1310, 22.1091, 2.1093}. It is the responsibility of the owner/operator of this device to follow all applicable warnings and precautions regarding human exposure to RF fields. Additional interference with other electrical devices can occur. Additional reference: <http://www.arrl.org/rf-exposure>

Support Contacts




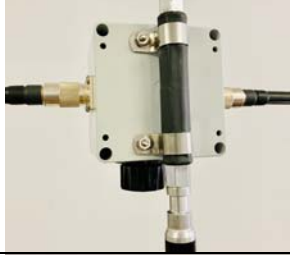

If you have questions about your antenna, please feel free to contact us.

Email: support@alphaantenna.com - Phone: 1-888-482-3249

WEB: www.alphaantenna.com – Video Tutorials: www.YouTube.com/AlphaAntenna

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Assembly

<p>Screw the tripod onto the bottom of the grey Alpha Match.</p>	
<p>Screw the center support pole onto the top of the grey Alpha Match box, then remove the Rubber Cap on the top of the center support pole. Keep that rubber cap in a safe place (like your pocket).</p>	
<p>Locate the <u>small Coaxial feed Loop</u>: Slide the clips that are attached to the small Coaxial Feed Loop onto the support pole.</p> <p>Locate the <u>large Coaxial outer Loop element</u>: Slide the clips that are attached to the large Coaxial Feed Loop onto the support pole.</p> <p>Replace the Rubber cap onto the top of the center support pole.</p>	
<p>Attach the PL259 connectors on the outer loop to the grey box: Attach the PL-259 connectors on the larger Coaxial Loop Element to the SO-239 connectors on the grey Alpha Match box.</p>	
<p>Attach your coax: Connect your PL259 to the T-Connector on the small inner loop, and then run your coax to your equipment.</p>	
<p>Tuning: Start with MINIMUM power & select your frequency, then turn the black knob on the grey Alpha Match till your rigs meter peaks with the loudest audible noise floor.</p> <p>Fine Tuning: Slide the inner/outer loop up or down the center support pole while monitoring for the lowest SWR on an inline SWR meter, your rigs SWR meter, or an antenna analyzer, as you change the distance between the loops.</p> <p>BEFORE increasing your power to 100W, please ensure your SWR is optimally tuned.</p>	<p>Optional 40-80M Booster Cable</p> <p>The Booster cable enables 20W PEP SSB on 40/60/80M and installs in <u>Series</u> with the 10-40M outer loop.</p>