

α ALPHA ANTENNA®

Remote Alpha Loop Kit 2.1

The Remote Alpha Loop Kit enables Alpha Loop Antenna systems to be fit with a remote tuning option. Not for permanent outdoor use. Please ensure that you have received the following parts: A. Remote, B. Power Supply, C. Cable, & D. Mount.

A. Remote



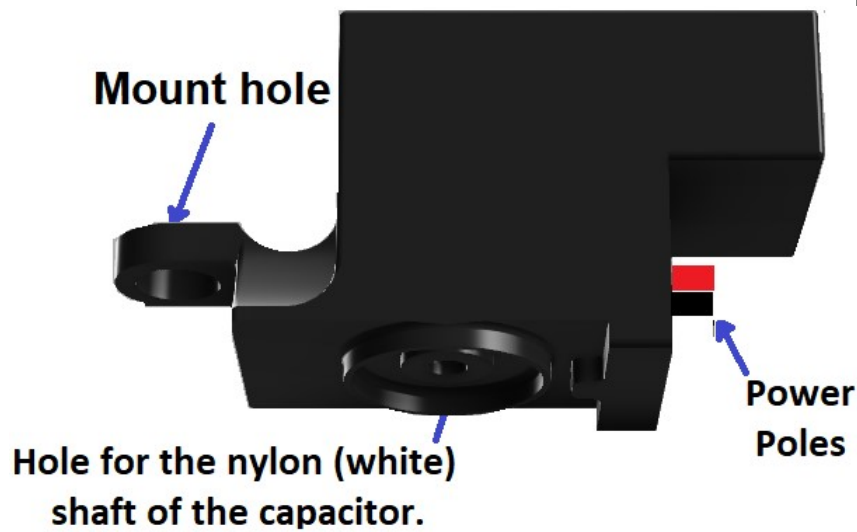
B. Power Supply



C. Cable



D. Mount



E. Mount installed on post-2022 Loop box



Support Contacts

If you have questions about your antenna, please feel free to email us at alphaantenna@gmail.com

Operation

- The knob on the Remote (A) controls the speed of the Motor (e.g. tuning).
- The buttons on the Remote (A) are pressed to tune the Alpha Loop frequency up or down.
- It takes about 90 seconds for the tuner to cycle through the entire tuning range.

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Installation Overview

Image E shows the Mount (D) installed on the post-2022 Loop tuning box. The mount is installed on the bottom of pre-2022 Loop tuning box.

Post-2022 Installation

- 1) Remove the 4 screws from the X-Wing support on the back of the Loop's tuning box. Rotate the X-Wing 180 degrees and re-install using the same 4 screws.
- 2) For loops purchased after January 2022, use 2 flat head screw drivers to pry the knob off. Otherwise:
 - Loosen the two (2) screws that hold the black knob on the box and slide it off the white nylon shaft.
- 3) Remove the lid on the Mount (D) using a flat head screwdriver, then loosen the two (2) hex screws located on the internal Coupler using a hex wrench. NOTE – You may need to power up the Remote to re-position the internal Coupler so you can see and then more easily access the hex screws that are on the coupler.
- 4) Slide the Mount (D) down the Loop's mast so it is in place per Image E. Simultaneously, place the Coupler that is inside the Mount over the *"nylon (white) shaft of the capacitor"*. Then secure the internal Coupler by tightening the two hex nuts down upon the white nylon shaft of the capacitor.
- 6) Plug the Power Supply (B) into the Remote (A) and then into a power strip that is on your desk.
- 7) Connect/secure the Cable (C) from the Binding Posts on the Mount (D) at the antenna to the Binding Posts on the Remote (A). **NOTE** - If the label on the lid is now upside down, feel free to flip the cover over.

Pre-2022 Installation

- 1) During and after installation, position the grey Alpha Match box so the tuning knob or remote is on top.
- 2) Loosen the two (2) screws that hold the black knob already on the box and slide it off the white nylon shaft.
 - If no screws are present then the black tuning knob can be pried off using two flat head screwdrivers.
- 3) Remove the lid on the Mount (D) using a flat head screwdriver, then loosen the two (2) hex screws located on the internal Coupler using a hex wrench. NOTE – You may need to power up the Remote to re-position the internal Coupler so you can more easily access the hex screws that are on the coupler.
- 4) Remove the silver tripod mounting nut that is installed on your loops X-Wing Backbone. Save this as you will use it to install the Mount.
- 5) While placing the internal Coupler over the nylon (white) shaft of the capacitor, simultaneously place the Mount hole (as depicted per 1a) over the hole where the silver tripod mounting nut was removed. Then reinstall the silver tripod mounting nut to hold the Mount in place.
- 6) Secure the internal Coupler by tightening the two hex nuts down upon the white nylon shaft.
- 7) Plug the Power Supply into your wall outlet and then into the Remote (A).
- 8) Connect/secure the Cable (A) from the Binding Posts on the Mount (D) at the antenna to the Binding Posts on the Remote (A).

Tuning

- The Remote (A) has a potentiometer that can be turned to increase/decreased the Motor speed. The switches on the Remote (A) can be used to move the Motor left or right. There is a clutch assembly in the variable air capacitor that keeps the gears from being stripped. Initial tuning is best observed on your rigs S-Meter while receiving in SSB mode. You can then tweak your SWR by transmitting at your rig's lowest power while watching your rigs SWR meter to dip. You may optionally use external SWR Meter or Antenna Analyzer to help with tuning.