



Model – Alpha DX Antenna

Operating Manual, Version 1.2, June 25, 2018

Overview

The Alpha DX is designed to operate from 10 through 80 meters as a capacity hat antenna. It is rated at 200W PEP SSB, 100W CW, and 50W Digital.

Operation

The Alpha DX Antenna system is a complete ultra-portable multiband and multipurpose HF antenna that fits in an included canvass Field Bag. This system requires no moving clips on coils or readjusting of whips for tuning. An integrated leveling bubble enables precise spatial alignment of all elements, which results in equal take-off angles for your signal. You may also use an external antenna tuner if your antenna is installed over a poor ground or not placed in a clear area.

Excess RF Exposure Warning

In the United States, the Federal Communications Commission has established guidelines for human exposure to Radio Frequency (RF) electromagnetic fields. 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 references: <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

α ALPHA ANTENNA®

Assembly

A) Locate then assemble the Alpha Match and Tripod: Screw the Alpha Match onto the Tripod (A), taking care not to cross-thread either one.

B) Locate and install the four black 26 inch MilStick elements, and screw each hex nut onto the bolts (B).

C) Locate the 12 foot Counterpoise wire & secure the ring connector over the bolt (C) with the loose hex nut.

C.1) Proper placement of 12 foot Counterpoise is so that it is run above one of the tripod legs, otherwise the system will tip over. This is a Counterpoise, so please ensure this wire slopes away from the antenna and **isn't** laid on the ground, before staked.

D) Locate and install the one black 26 inch MilStick element, to the top bolt of the Alpha Match (D to D).

E) Extend the Legs (E) on the Tripod, and secure each with the locking mechanism.

E.1) Extend and stake the NVIS elements into the ground with the included aluminum stake.

F) Rotate the Crank (F) till the mast is fully extended, & tighten the set screw.

G) Connect your coax to your equipment first and then to the SO239 (G), and ensure that it does not coil up on itself or touch the elements.

RECOMMENDED GUYING: When wind exceeds 10MPH, the base of the extended mast in F should be used as a tie off point for 3 user supplied guy ropes.

