α ALPHA ANTENNA®

6-20 Meter Add-on Element for the EmComm Loop

Description

This optional element enables 6-20 meter operations when installed in lieu of the default outer loop on the VHF UHF HF Alpha EmComm Loop's tuning box*.

Specifications

PARAMETER	LEADING PARTICULARS
Operating Parameters	MAX POWER: 50W PEP SSB, 25W CW, 10W Digital FREQUENCY COVERAGE: 54MHz to 14MHz (6M to 20M) IMPEDANCE: 50 ohms
Usage Parameters	DIRECTIONALITY: Semi-Directional PURPOSE: NVIS & DX
Physical Parameters	IP RATING: IP-53 CONNECTOR: Female BNC

Usage

DEPICTION (ASSEMBLED)

*Tuning Box Not Included

ASSEMBLY

Step 1 – Remove any mast or currently installed loop from the tuning box*.
Step 2 – Screw the PL259 connectors on the 6-20M Outer loop onto the SO239 connectors of the tuning box*.
Step 3 – Attach your coax from the Inner Hub to your equipment.
Step 4 – Install on a tripod install the included tripod legs by inserting them into the bottom holes on the tuning box*.

TUNING INSTRUCTIONS (See NOTES ~)

Step 1 – Set your rig's frequency anywhere from 7MHz through 14MHz.
Step 2 – Set your rig's mode to SSB and very slowly tune loop using the black knob marked with an 'a' till the loudest noise floor is heard from your rig.
Step 3 – Set your rig to 5W in FM Mode then transmit while tuning and watch for the SWR meter to dip to its' lowest point.
Step 4 – Select your preferred mode (SSB/CW/Digital) and begin operation.

NOTES

~Re-shaping the loop can have significant improvements to the tuned SWR.
Properly adjust Mic Gain before using SSB/AM/FM modes in accordance with your rig's user manual.

SUPPORT: Please feel free to email us at alphaantenna@gmail.com if you have any questions.