

α ALPHA ANTENNA®

Model – DX

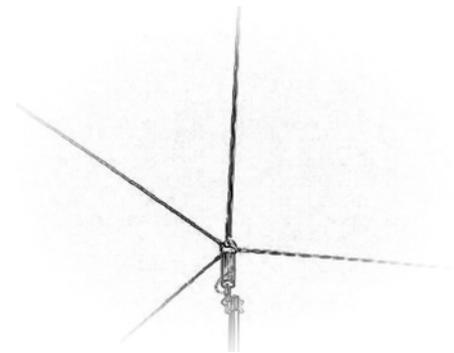
Operating Manual, Version 3.0, April 2, 2018

Assembly

Do not deploy the Telescopic elements before you have completely assembled the DX system. Always retract the Telescopic elements before moving or disassembling the DX system.

Screw either the compact Jaw Mount or Tripod on the bottom/side bolt located towards the base of the High-Q Coil.

Attach the wire radial element, at the connection point on the High-Q match labeled 'Radial'.



Place your DX system where you intend on deploying it. Next, attach your coax to your equipment and then to the PL-259 located on the side of the High-Q Coil. Make sure you use and have secured the Jaw Mount to a solid support if windy. The tripod should ONLY be used when conditions are calm.

Once you have the DX system securely mounted, and the coax run from your equipment to the DX system, continue by inserting and screwing the Vertical telescopic whip into the top hole on the High-Q match. Then insert and screw the Horizontal telescopic elements into the side holes near the top of the High-Q match. Carefully and fully extend all of the telescopic elements.

Tuning the High-Q coil

You do not need to adjust the telescopic elements to different lengths to tune the DX system. To tune the DX system, you just move and attach the spring loaded clip to the High-Q coil. A built in band guide on the side of the High-Q coil provides an estimated placement for the clip. There are four channels that run the length of the High-Q coil, which are located beneath the wiring. The location of these

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channels are designated with tick marks at the base of the High-Q coil. The spring loaded clip is inserted into any of these channels to tune the DX system.

Tuning the Radial

A 34 foot counterpoise is included, which can be deployed at various lengths to further tune the DX system. The estimated Radial lengths for each band is found in the chart below. Please note that you can improve tuning results by lengthening or shortening the radial for your specific ground conditions.

Band	Estimated Minimum	Estimated Maximum
10 Meters	7 feet 10.5 inches	8 feet 4.5 inches
12 Meters	9 feet 4.75 inches	9 feet 5 inches
15 Meters	10 feet 11 inches	11 feet 1.75 inches
17 Meters	12 feet 11 inches	12 feet 11.25 inches
20 Meters	16 feet 3.5 inches	16 feet 8.5 inches
30 Meters	23 feet	23 feet 2 inches
40 Meters	32 feet	33 feet 6 inches

Tuning Tips

You may either use an antenna analyzer or SWR meter (either internal to your rig or external) to tune your antenna. When these are not available, you may also use the loudest noise floor coming from your rigs speaker to tune the antenna. This is because the closer you are to resonance, the louder the noise floor will be coming from your rigs speaker.

Support

If you have any questions or problems, please contact us.

You can reach us via:

Email – support@AlphaAntenna.com

Phone – 1-888-482-3249

Parts and accessories are available at www.AlphaAntenna.com

Our mailing address is:

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