α ALPHA ANTENNA®

Delta Loop for HexTenna System

Description: Provides touch free matching from 6 through 80 meters at a power rating of 250W PEP SSB, 125W CW, and 25W Digital when added to the HexTenna Antenna System.

Most effective for Long Distance (DX) & Near-Vertical Incidence Skywave (NVIS) from 10.1 to 54.0 MHz (30-6M), and NVIS propagation on 3.5 to 7.0 MHz (80 – 40M).

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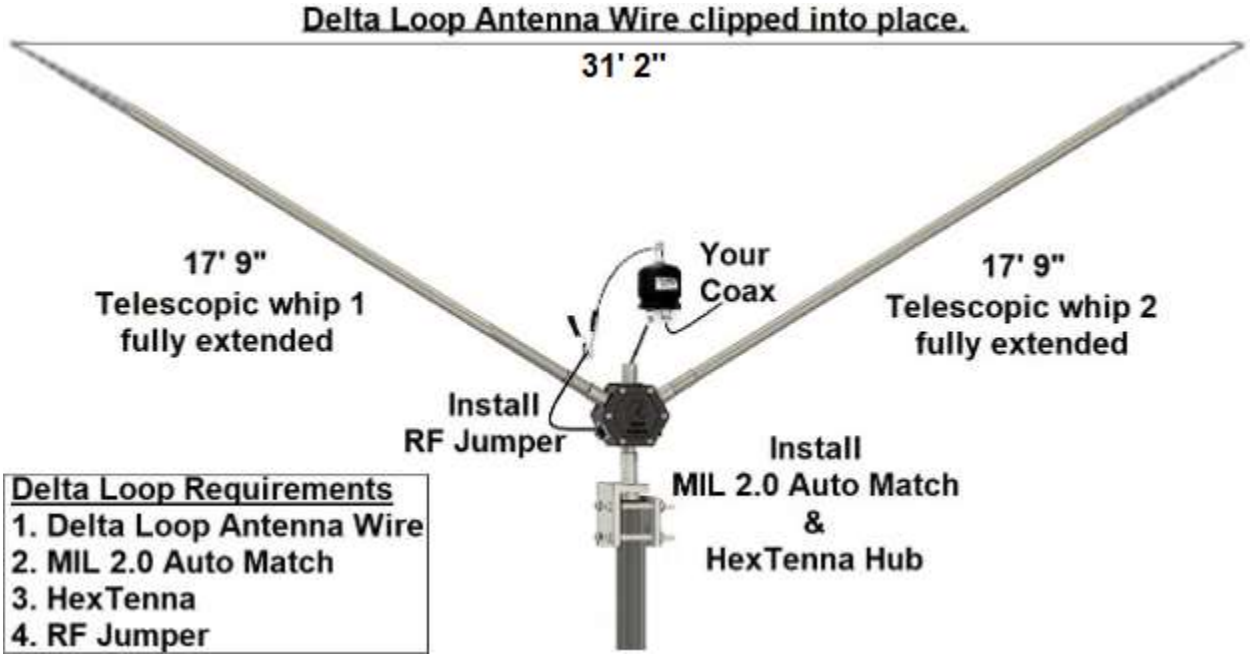
1. Layout Overview



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2. Setup Steps

1. **Choose Location**
    - Open space, away from power lines & tall metal objects.
2. **Install Elements on Hub**
    - Install Telescopic Elements on the HexTenna Hub then fully extend the elements.
    - Clip Delta Loop wire to Corona balls at the tip of both Telescopic Elements.
3. **Install Auto Match**
    - Install the Alpha Auto Match in the Vertical position on the HexTenna Hub.

- Install the RF Jumper on the top bolt of the Auto Match and place the clip on the Barrel of your coax.

4. **Assemble Mast or Tripod**
    - Deploy your Tripod or Extend mast to desired height.
    - Attach guy lines at 120° spacing, stake securely, unless using the Survivor Tripod from Alpha Antenna.
5. **Connect Feedline**
    - Attach 50Ω coax to SO-239 connector.
    - Route to tuner or directly to radio with a built-in tuner.
6. **Check Stability**
    - Ensure guy lines are tight and that wire tension is even.

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3. Quick Tips

- **With Tuner**: Full 80–6m coverage.
- **Without Tuner**: Check SWR before transmitting.
- **Windy Conditions**: Lower mast height for stability.
- **Packing Up**: Coil Delta Loop wire loosely to avoid kinks.

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4. Safety Reminders

- Maintain **30 ft (9 m)** clearance from power lines.
- Avoid operating during thunderstorms.