



Fig. 1



Fig. 2



Fig. 3

Please read and familiarize yourself with these Instructions before starting assembly. Also verify you have all the parts.

WARNING: Avoid HAZARDOUS LOCATIONS. Stay Clear of Power Lines And or any overhead obstructions.



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Assembly Instructions Hi-Z Antennas™ Model SD-19, HD-19 Vertical – Pg 2/2

1. THANK YOU for purchasing the Hi-Z HD-19 or SD-19 vertical.
2. Tools required; straight and phillips screw drivers, hammer, wire terminal crimper and soldering iron + solder.
3. Locate angle aluminum mount. Attach 6x32SS screw (nut inside) with one 6x32SS K-lock in pre-drilled hole. This is the top of the mount.
4. Measure 5" from the bottom of the pole and apply about 7 wraps of electrical tape.
5. Pull out telescopic mast to full length.
6. Prepare one end of the wire by stripping 1.5 inches of insulation.
7. Slide the blue crimp terminal over the stripped end to about 3 inches in. Review Figure 2 for more detail.
8. Push the stripped end through the eyelet, top end of mast. See Fig. 2
9. Fold back the stripped end of the wire and insert it back through the blue terminal. Be sure the end is visible and then crimp terminal.
10. Starting from the top and for each section make one wrap of wire around each section.
11. Place one cable tie just above the overlap, around the mast and wire. Pull tight and cut off excess tie.
12. This helps insure the sections are held in place.
13. Place the last cable tie on the pole about 8 inches above the end of the pole.
14. Cut wire 8" below the pole. Strip end and crimp terminal. Soldering is optional.
15. Place mounting angle per the footprint required for your array, at least 2 feet to no more than 2 feet 3 inches in the earth.
16. Pound / install pointed end of angle mount in the earth.
17. Install pole on the angle mount so that it overlaps by 6". See Fig. 1 & 3. Use 2 SS clamps to attach pole base to angle mount.
18. Mount the 3" diameter x 8" long white tubing with cap using 2 cable ties. See Fig. 1 & 3. This weatherproofs the Hi-Z amp.
19. Use left over wire, cut to 8" long, strip ends & crimp terminals. One end attaches to the ground terminal on the angle mount. The other goes to Hi-Z amp Ground.
20. Complete the RG-6 coax connection to the Hi-Z amp and then insert into the white tubing and push in until it stops and dress cables.
21. CONGRATULATIONS...!!!! You are very close to hearing what was previously not hearable.

CHOOSING A LOCATION FOR THE ANTENNA



For best performance, mount the antenna in a clear location away from buildings, towers, feedlines, utility wires, and other antennas.

Never mount this antenna in a location that will permit unsuspecting people to come in contact with any part of the antenna.



Never mount this antenna where a mechanical failure might allow the antenna to contact power lines or other utility wires.

Always ground the feedline to a good earth ground at the point where it enters a building for lightning protection.



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BOM per vertical:

- 1 - 19' SD telescopic mast RED OR
- 1 - 19' HD telescopic mast GREEN
- 2 - Stainless hose clamps
- 1 - Angle Aluminum mount
- 1 - 6x32SS PH screw
- 2 - 8x32SS k-locks
- 7 - Cable ties
- 1 - Blue crimp terminal
- 3 - Red crimp terminal
- 23 ft - 20ga stranded wire

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