10-80M HF Vertical Antenna plus 2M and 220/440MHz, ProMaster DX

Product Overview

28.5-foot no-radial base vertical covering HF 10-80M plus 2M, 220 MHz, and 440 MHz, with optionally available Counterpoise **.

Use our Make an Offer Program and Click this button if you can’t afford full price.

Make An Offer (Without Options)

Key Specifications

Specification	Details
Coverage	3.5-57 MHz, 144-148, 219-225, 420-450 MHz
Power	250W PEP SSB; 125W CW; 25W Digital
Overall height	28.5 ft
Vertical element	27 ft
Wind	85 mph without ice
Weight	11 lb
Mast	selectable 1.25 or 2 in

Best For

- Permanent/base multiband HF/VHF/UHF
- Operators wanting no radial field
- Wide amateur-band coverage from one vertical

What’s Included

- Heavy-duty mount/hardware
- 27-ft telescopic vertical
- Jumper wire
- Alpha Match with SO-239

Options

- Four Counterpoise, which will:
  - Enhance Low Band performance
  - Consistent omni-directional patterns
  - Stabilize DX performance
    - INSTRUCTIONS: Place two at 180 degrees from one another, or four at 90 degrees, to the bolt on the ground side of the Alpha Match.
      - These are to be sloped down away from the antenna and should not be laid on the ground.

Setup and Operation

Install on the selected mast size, fully deploy the vertical, connect jumper and feedline, and provide proper RF equipment grounding.

Performance and Technical Data

Average HF Antenna SWRs.	
Band.	**SWR**
70cm (420-450 MHz)	1,2:1.
1.25m (219-225 MHz)	1,7:1.
2 Meters	2,3:1.
6 Meters	1,9:1.
10 Meters.	1,7:1.
12 Meters.	1,6:1.
15 Meters.	1,3:1.
17 Meters.	1,3:1.
20 Meters.	1,8:1.
30 Meters.	1,6:1.
40 Meters.	1,1:1.
60 Meters.	1,4:1.
80 Meters.	1,9:1.

* An antenna tuner may be required if the antenna is not placed in a clear area. Otherwise, an internal antenna tuner can be used for best results.

** Either two or four 17-foot raised counterpoise may be attached to the ground bolt on the Alpha Match.

Support Resources

- User Manuals: Alpha Antenna User Manuals hub.
- Videos: Related videos.
- Guidance / FAQs: Available HERE.
- Customer Reviews: Scroll to bottom of this page.

We Listen

We are dedicated to improving all of our systems. Specifications and descriptions are subject to change without notice.

5.0
★ ★ ★ ★ ★
★ ★ ★ ★ ★
Based on 3 reviews
5★
100
100%
4★
0%
3★
0%
2★
0%
1★
0%
Search
1-3 of 3 reviews
Most Recent ▼

1. RC

Protected_User_d92f37ad
Verified owner
Featured Review
October 7, 2026

★★★★★
★★★★★

10-80M HF Vertical Antenna plus 2M and 220/440MHz, ProMaster DX

Verified review - view original

I have been waiting for this antenna to be released for a while now. I was happy to see it finally available on the website, and bought it as soon as stock was available.

As we all know, antennas like this design are always a compromise. When you give up radials there is a trade-off with efficiency, space, and several other factors that can severely degrade performance. However, Alpha (in my opinion) always does a bit more than others in the industry to pull ahead in performance. They add a ground and are built for use with or without a single counterpoise element. This uses very little space and provides a substantial benefit when chasing DX contacts.

The build quality is what I have come to expect from Alpha- bomb-proof. Its more of a military or industrial build quality than standard commercial. It only has a couple of parts and they all can easily be replaced individually if needed. Living in Florida, I appreciate the high quality, and I am happy to pay for it. No rust or corrosion right off the beach.

I own a lot of antennas. Like many HAMS, I enjoy testing them all and they all have a place or purpose. This antenna has become my primary base station antenna for home use. I live in a residential HOA with limited space for a radial field. This antenna can be set up within minutes and performs substantially better than the other “no radials required” options out there. All bands under 2.0 SWR with no tuner. Moderate noise for a vertical but not “noisy” at all. I own both the Promaster HD and Promaster DX. Love them both. Keep up the good work & 73!

2. BC

Protected_User_cabd2e44
Verified owner
October 30, 2026

★★★★★
★★★★★

10-80M HF Vertical Antenna plus 2M and 220/440MHz, ProMaster DX

Verified review - view original

Well built, easy to assemble, great performing antenna that takes up little space. The customer support is superb

3. DO

Protected_User_1a38126f
Verified owner
September 28, 2023

★★★★★
★★★★★

10-80M HF Vertical Antenna plus 2M and 220/440MHz, ProMaster DX

Verified review - view original

Outstanding antenna!