Overview

Portable 10-40 meter 100W PEP magnetic loop with a built-in 6:1 reduction drive for easier manual tuning.

Key Specifications

Specification	Details
Coverage	10-40M standard
Power standard	100W PEP SSB; 50W CW; 20W Digital/FM
Optional 40-80M loop	20W PEP SSB; 10W CW; 5W Digital/FM
Optional	6M, 2M, 440 MHz
Diameter	3 ft
IP rating	IP-53

What’s Included

- Two 16-in masts
- Tuning box, 5/8-11 mount
- 10-40M outer loop
- Shielded Faraday pickup loop
- Field bag

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

Make An Offer (Without Options)

Videos

Setup and Operations

Assemble mast/loop, mount securely, and tune the resonant loop with the reduction drive.

Best For

- Portable HF operation
- Limited-space/stealth operation
- Operators wanting manual reduction-drive tuning

Performance and Technical Guidance

Click Here for the bandwidth and tuned results while using just the Default Outer Loop and Clicking Here for the bandwidth and tuned results while using only the longer Booster cable.

Signal Patterns

Green = 40 meters, Blue = 20 meters, Red = 10 meters

Vert. Elevation Pattern

Azimuth Elevation Pattern

Options and Compatible Accessories

Optional MD tripod, coax, SWR Sounder, photo-tripod adapter, 40-80M booster, and 6M/VHF/UHF add-on.

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

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1. RH

Protected_User_7f996679
Verified owner
September 9, 2026

100W 10-40M Portable HF-DLX MagLoop

Verified review - view original

Thank you for fast shipping and a great product

2. MN

Protected_User_2c2c12d3
Verified owner
July 12, 2026

★★★★★
★★★★★

100W 10-40M Portable HF-DLX MagLoop

Verified review - view original

3. JS

Protected_User_f78865a6
Verified owner
July 4, 2026

★★★★★
★★★★★

100W 10-40M Portable HF-DLX MagLoop

Verified review - view original

The antenna has been working awesome. Full disclosure, I've only worked 20m, but that's because there's been no reason to change. I bought this, had it delivered in 2-3 days, spent about 10 minutes (most spent re-figuring out my NanoVNA menus) tuning it. First time out, had it at 1.3 SWR.
I worked it a few days and had good results. 20M, West Coast US (near San Diego) and had FT8 confirmed QSOs within minutes. A couple days later decided to get it out of the living room, and was a bit more patient tuning. Again in just a few minutes, I had it 1.0 SWR for 20M FT8 (14.074 MHz I believe). Again good contacts. I have it near AC power strip, so I have a feeling when I do a better job moving all AC away it's going to go nuts.

Despite what any articles, FAQ, or even Alpha online help says, keep the middle loop aligned with outside. I started seeing >2.0 and then realized the loop was shifted.

Also, at one point no matter what, I couldn't get it below 1.8 SWR. I moved it about 12 inches northward, and elevated it about 6 inches. BAM! 1.0 almost within seconds.

I worked 20M last night (July 4th AM), sent CQ, and had a pile up from the East Coast, Puerto Rico, Canada, Mexico, and some islands off the Florida coast. 20M was popping. I had jumped on to get 1-2, and ended with 6 (all confirmed in QRZ) in just a few minutes on-air.
I put mine on an Amazon tripod for speakers (rated to 90 pounds), and it's a rock star. I can't say enough.

73s, Happy 250th Birthday to the US, and a million thank yous to the men and women who make Alpha Antennas. Ironically I was on a local 2M repeater a few days ago, and they were singing praises of Alpha's participation at their club event.

4. RP

Protected_User_eabbebe0
Verified owner
July 1, 2026

★★★★★
★★★★★

100W 10-40M Portable HF-DLX MagLoop

Verified review - view original

5. WC

Protected_User_64979a56

Verified owner
June 8, 2026

★★★★★
★★★★★

100W 10-40M Portable HF-DLX MagLoop

Verified review - view original

Excellent quality. Great customer service. Antenna works very well!

Show more reviews (100)