

2/2 (4) element 7/10MHz Yagi (3.9m) Force12



A super-compact dualband 7/10MHz WARC band Yagi with single feedpoint

Rating: Not Rated Yet

Price

Sales price £999.99

Sales price without tax £832.50

[Ask a question about this product](#)

Manufacturer [InnovAntennas](#)

Description

Postage £20.00 to UK mainland (not Scottish Highlands) USA/Europe £34.00, for rest of world please This email address is being protected from spambots. You need JavaScript enabled to view it.
document.getElementById("cloak835481a575d1518e2718f181c4503af1").innerHTML = ""; var prefix = 'ma' + 'il' + '@'; var path = 'hr' + 'ef' + 't' + 'ive'; var addr = '835481a575d1518e2718f181c4503af1@innovantennas.' + '.com?subject=postage%20charge%20-%20antennas'; var addy_text = '835481a575d1518e2718f181c4503af1'; Email: document.getElementById("cloak835481a575d1518e2718f181c4503af1").innerHTML += "[<mailto:" + prefix + addr + path + ".com?subject=postage%20charge%20-%20antennas>](mailto:" + prefix + addr + path + ".com?subject=postage%20charge%20-%20antennas)";



The 4-LFAR-40/30, an Excellent super-compact Dual band LFA-R Yagi for the 40m & 30m bands on a tiny 3.8m boom!

The LFA-R is one of the latest designs from the desk of G0KSC. The LFA-R uses no reflector, just a dipole/LFA hybrid driver laid flat on the boom with one close proximity director. The dual band version has the second band drive element placed close enough for 'open-sleeve' coupling to occur in order service can be provided on a second band. This antenna does not give wide band performance (and thus is suited to the WARC bands) but does give incredible levels of gain and F/B per metre of boom. Take a look at the specifications below, we think you will agree this is an awesome performer for such a short antenna!



Performance

Gain on 7.1MHz: 7.22dBi (11.66dBi @ 20m up)

F/B on 7.1MHz: 16.94dB

Gain on 10.1MHz: 7.28dBi (11.94dBi @ 20m up)

F/B on 10.1MHz: 13.57dBi

Power Rating: 5kw+

SWR 7MHz: Below 1.9:1 from 7.05MHz to 7.15MHz (can be set any part of the band)

SWR 10MHz: Below 1.5:1 from 10.1MHz to 10.15MHz

Boom Length: 3.890m

Weight: 35Kg / 77LB

Turning Radius: 10.9m

Wind Load: 1.1 Square metres

Wind Survival: 1420KPH / 90MPH

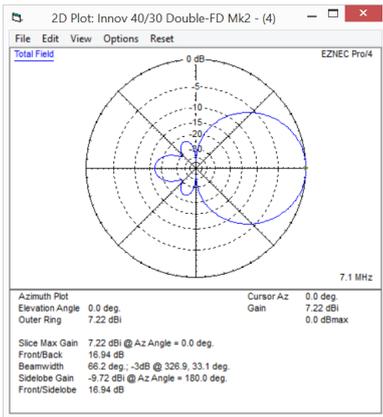
Specification

This antenna deploys elements tapering from 2 inch (50.8mm) to 3/8 inch (9.525mm) for 7MHz with elements starting at 1.5 inch (38.1mm) tapering through 3/8 inch (9.525mm) for 10MHz . The antenna has fully insulated elements which will ensure continuous, high performance for many years to come. Boom to mast brackets are included with all antennas which will support 2 inch (50mm) masts. **Boom is 3 inch square 10SWG aluminum.**

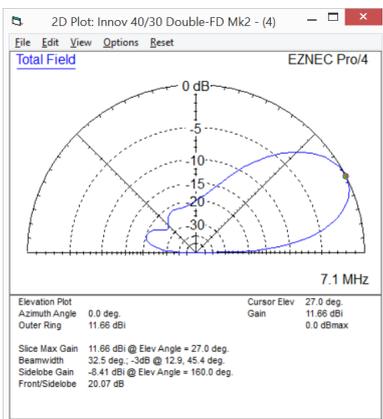
Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable! Even a digital caliper is used to measure the elements during production to help ensure the best possible results when installed.

Note: Much development time has gone into our antennas, not just on basic electromagnetic design, we are able to model the effect of insulators, booms and other objects to ensure the make-up of our antennas has least effect on performance and pattern degradation. More information can be found [here](#)

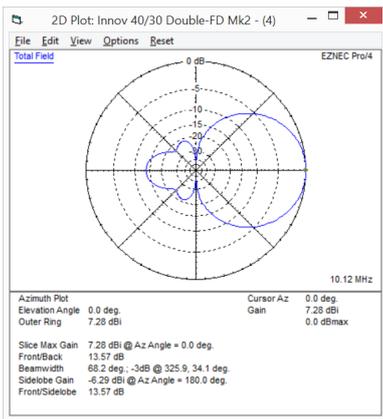
- **Marine grade stainless steel fittings**
- **Original Stauff Insulation clamps**
- **Mill finished boom and elements for highest levels of accuracy**
- **Specifications subject to change without notice**



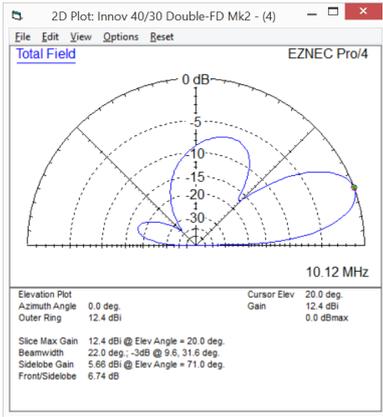
Azimuth Plot 7MHz



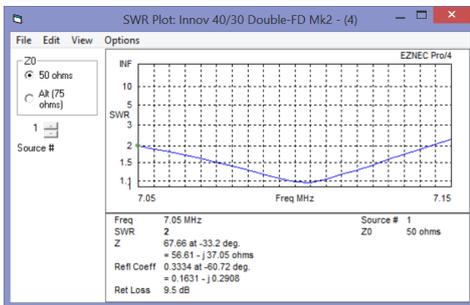
40m Elevation plot when antenna placed 20m above ground



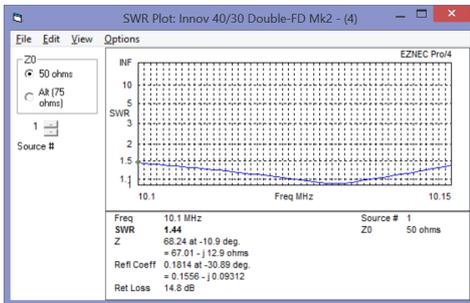
Azimuth Plot 10Mhz



Elevation Plot 10MHz (20m above ground)



SWR 7MHz



SWR 18MHz

Manufactured the right way, not the cheapest way!

Specification subject to change without notice