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DJ2UT-Multiband Beam Series XP50 — 4,4 m/15-Foot Boom



The XP504 beam is an intermediate sized beam designed to replace conventional 3- and 4-element antennas. Although the boom length is a modest 4.4 metres, superb performance is obtained through the TOTAL elimination of L/C traps. Former trapped-antenna owners immediately notice increased signal reports, broader gain and SWR bandwidths, and f/b ratios that are good across the entire band – not just over one small sector. The performance graphs below illustrate the XP504.

The XP504 covers 10, 15, 20 and 40 meters. A simple, inexpensive conversion kit allows you to add 12, 17 and 30 meters at a later date.

To maintain high performance, the DJ2UT antenna is fed with a model UT-2000 balun. This is an air-core device made from high-voltage, Teflon dialectric coaxial cable. With no ferrite core to saturate, this balun will handle 2 kW output without heating and the beam is rated above maximum legal power – regardless of mode or band.

The XP504 antenna is built to very high standards of strength. Aircraft-quality aluminum tubing is used throughout, and all hardware is made of stainless steel. High-quality materials, combined with precision German craftsmanship that ensures that this Sommer antenna will provide many years of maintenance-free performance.

Dimensions

Longest element	11.2 m
Boom length	4.4 m
Turning radius	6.5 m
Max mast diameter	52 mm
Wind loading	72 sq dm
Net weight	25 kg
Wind survival	Greater than 128 km/h

Gain and SWR







Working principle





Detailed drawing with dimensions (Note! Just over 100Kb but lots of info)





