

# hy-gain

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## TH3-MK4 Triband HF Beam 3-Element 10, 15, 20 Meter

# INSTRUCTION MANUAL

### General Description

The Hy-Gain TH3-MK4 is a 3 element, 3 band beam antenna designed for operation on the 10, 15, and 20 meter amateur bands. The TH3-MK4 uses Hy-Gain's full power "Hy-Q" traps, and HyGain's rugged boom-to-mast bracket. The TH3MK4 will mount on a standard 2" O.D. mast and can be rotated with Hy-Gain's CD-4511 or HAMIV rotators. All hardware is stainless steel.

New features in the TH3-MK4 compared to the TH3-MK3 include - all stainless steel hardware, a new Beta-match, 3 settings, and a 4 piece boom - ideal for DXpeditions!

Specifications	
<i>Electrical:</i>	
Gain (ave.)	5.8 dBd (8.0 dBi)
Front-To-Back Ratio (max.)	25 dB
Maximum Power	1500 Watts PEP
VSWR at resonance	Less than 1.5:1
Input Impedance	50 ohms
Matching System	Beta (DC Ground)
<i>Mechanical:</i>	
Boom Length	14 ft. (4.3m)
Boom Diameter	2 in. (51mm)
Longest Element	27' 5" (8.36m)
Turning Radius	15' 4" (4.67m)
Accepts Mast	1.9 to 2.5in. (48 to 64mm)
Net Weight	35 lb. (16 kg)
Shipping Weight	40 lb. (18 kg)
Maximum Wind Survival	95mph (153 kmph)
Wind Surface Area (max.)	4.6 sq. ft. (0.4 sq. m)
Wind Load at 80 MPH	118 lb. (53.6 kg)
Hardware	All Stainless Steel
Suitable Rotators	Hy-Gain CD-45II or HAM-IV

