

UNITRONIX Pty Ltd

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SEMATRON 

QD90

Manual 90cm Antenna Operation Manual

from



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Sematron UK Ltd

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Making waves...

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1.0 Case Contents

Case1: Tripod and Feed Arm



Case 2: Antenna



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2.0 Assembly Instruction

Unpack tripod



Fold down legs



Lock legs in position with thumb screw



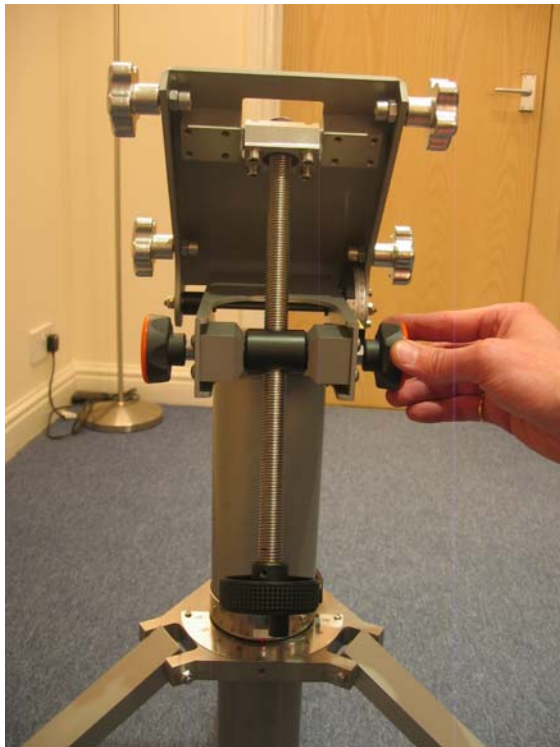
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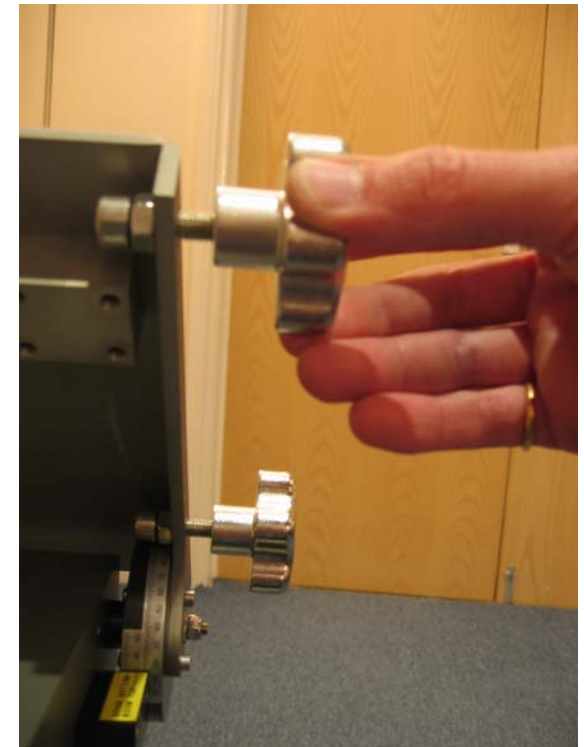
Lock elevation nuts in place
with hand nuts



Undo antenna retention
nuts



Lift antenna onto mount & locate
keyways onto the elevation plate



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Tighten the 4 retention nuts



Lift feed arm into place



Tighten the 2 retaining bolts



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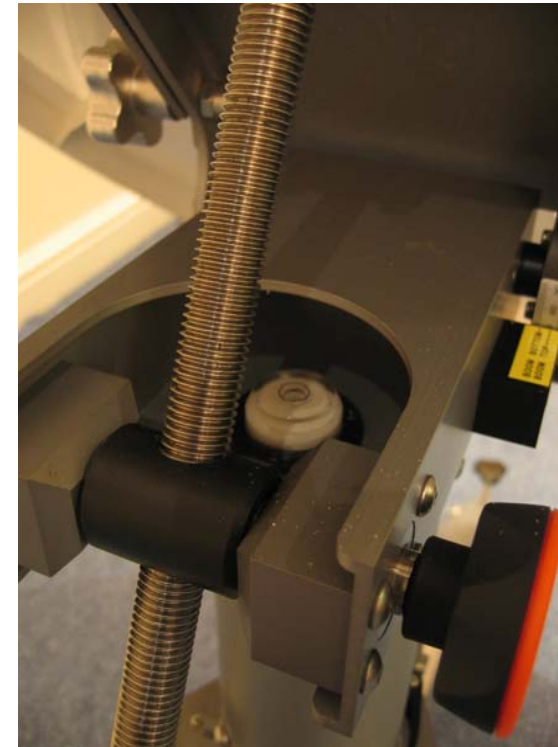
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Fit the feed arm struts

Caution! Do not over tighten the struts at the antenna fixing as this could cause damage to the reflector

Level tripod using bubble level & adjustable tripod feet



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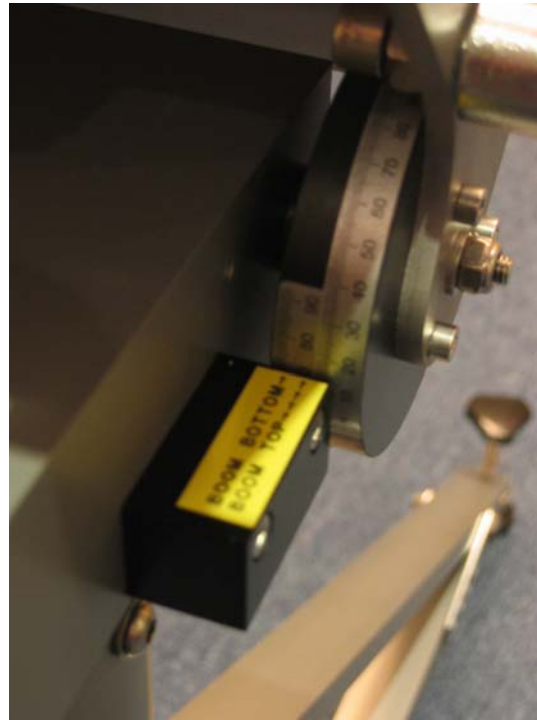
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Adjust elevation to required angle



There are 2 elevation scales. One is used with the antenna has the boom at the top & the other when the boom at the bottom (see section 3 for additional information)



To adjust the azimuth, release the brake



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Set azimuth position using scale



Lock into position with brake



To adjust polarisation, undo lock & set using the scale. Tighten lock nut to retain



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3. Additional Information.

To invert antenna from boom up to boom down operation simply undo the 4 retaining bolts & invert the mounting plate. With the antenna in the boom up configuration you have an elevation range of 0 – 55 degrees & in the boom down configuration the range is 20 – 90 degrees.



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