



RET Operation Manual





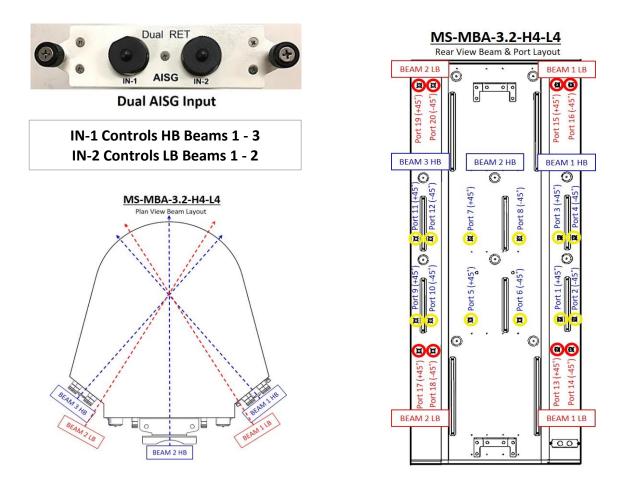
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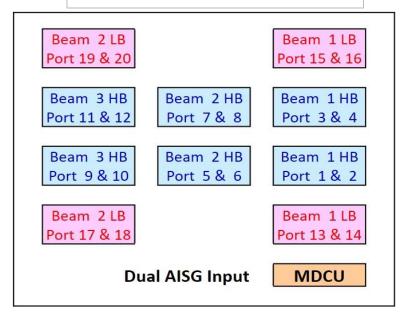
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The MS-MBA-3.2-H4-L4 antenna comes standard with an MDCU Controller and 10 motorized RET elements. Each motorized RET element control 2 ports +45/-45 of the respected beam.

Factory default firmware for the MDCU Controller is MRET (Type 17), however SRET (Type 1) is available upon request.

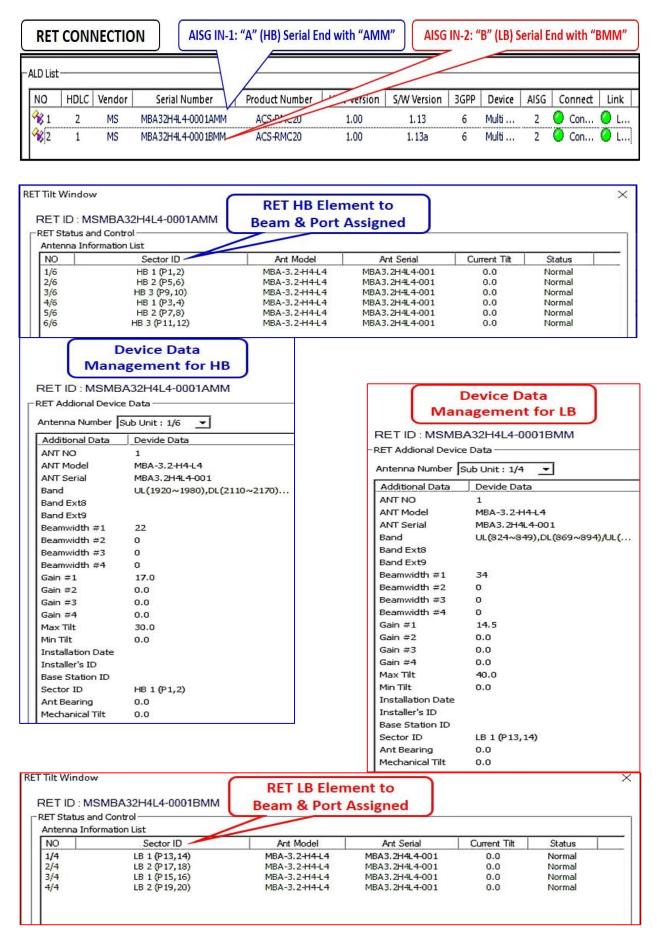


MDCU Controller RET Element mapping for MS-MBA-3.2-H4-L4



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A standard **AISG 2.0** compliant cable (not included) is used to connect the **MDCU to the AISG interface control.** Once connected, use an **AISG 2.0** compliant Control software to perform a **Sub Unit SCAN** to identify the **MS-MBA-3.2-H4-L4** RET Elements.



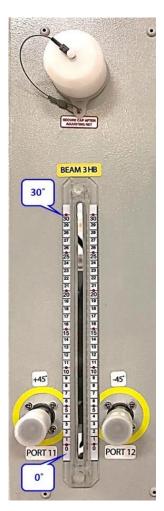
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Calibration:

Prior to use, RET Element calibration is required.

Re-Calibration is also required if manual mode was used at any point to adjust tilt

During calibration, the RET Element will use an Upper & Lower har-stop to calibrate 0°-30° (HB) and 0°-40° (LB) Degree range.



6 Beam / RET HB Elements offer a tilt range from 0° - 30° degree independantly.



4 Beam / RET LB Elements offer a tilt range from **0° - 40°** degree independantly.

tilt is indicated by the movable **RED MARKER TIP.**

The current degree of

Manual Mode

Step 1:

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The MS-MBA-3.2-H4-L4 antenna offers a manual override option.

Unscrew/Screw the cap



Step 2:



Engaged with internal

Step 3:

Pull knob out to disengaged RET for tilt adjustment

