

Smart Aligner – Custom Brackets Course



MultiWave Sensors

Topics Covered

Note: This training course assumes that the Introductory Course has been completed and the user is familiar with the basic operation of the Smart Aligner System.

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|-------------------------------|----------------|
| 1. Custom Bracket Definition: | Slide 3 |
| 2. Gogo Bracket: | Slides 4 - 7 |
| 3. RF Elements Bracket: | Slides 8 - 11 |
| 4. AIR 1641 Bracket: | Slides 12 - 14 |



Custom Bracket Definition

1. The Smart Aligner System has insert options that attach to the standard Bracket to change its characteristics. It uses the Ratchet Strap around the antenna to fasten it in place. The Tool mounts on the Bracket as usual.
2. A Custom Bracket does not use the standard Bracket at all. It is a stand-alone mounting device that replaces the need for the Bracket, with or without an Insert.
3. Custom Brackets are designed for specific antennas as can be seen on the following slides.



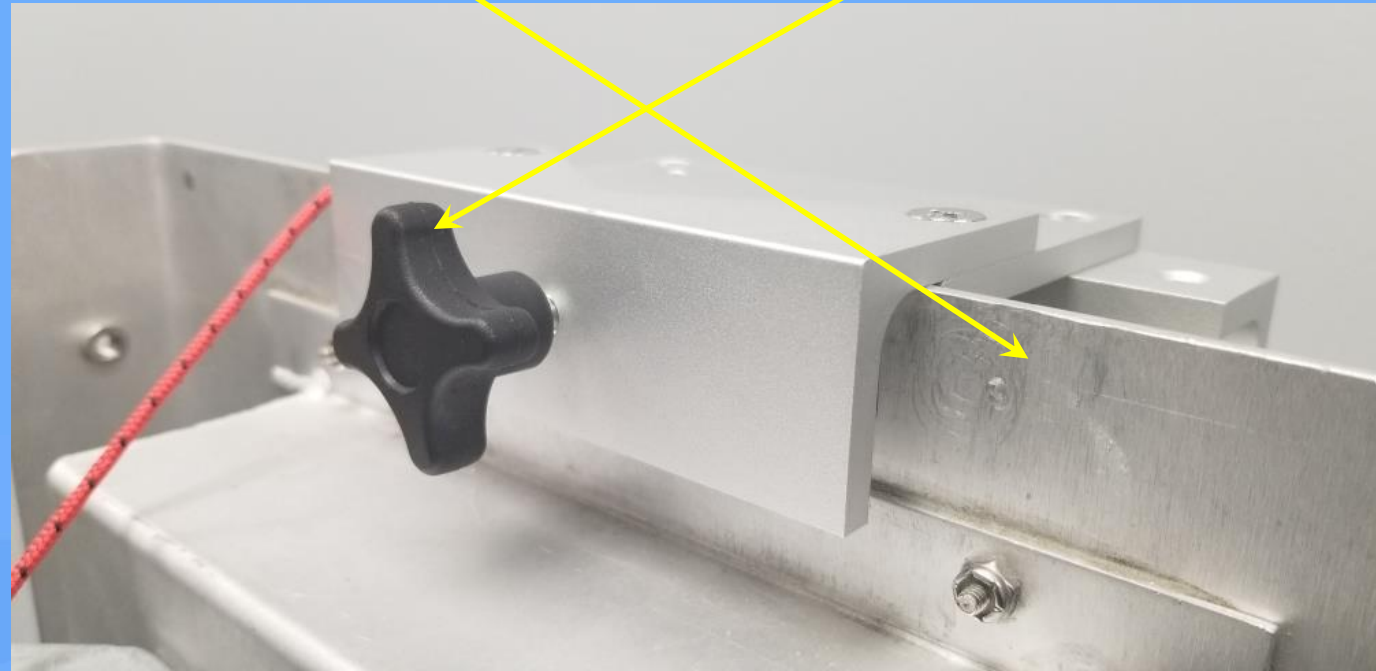
GOGO Bracket

1. The GOGO Bracket is designed specifically for GOGO antennas and is approved by GOGO. The GOGO Bracket is shown below:



GOGO Bracket

2. First attach the Tether as usual.
3. To install the Gogo Bracket, unscrew the Knob until the Bracket can fit over the vertical fin of the antenna.



GOGO Bracket

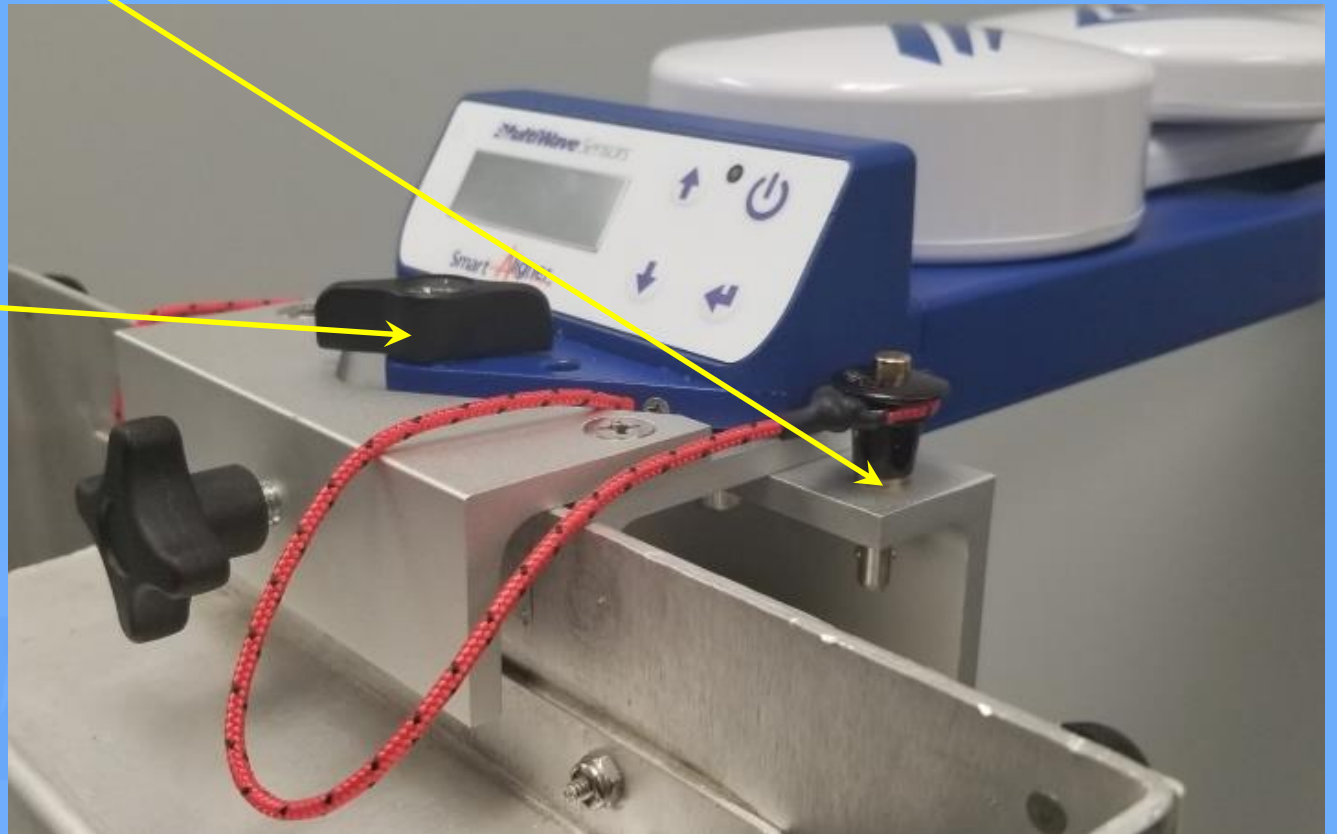
4. The Gogo Bracket should sit as per the following side view:



5. Tighten the Knob until secure.

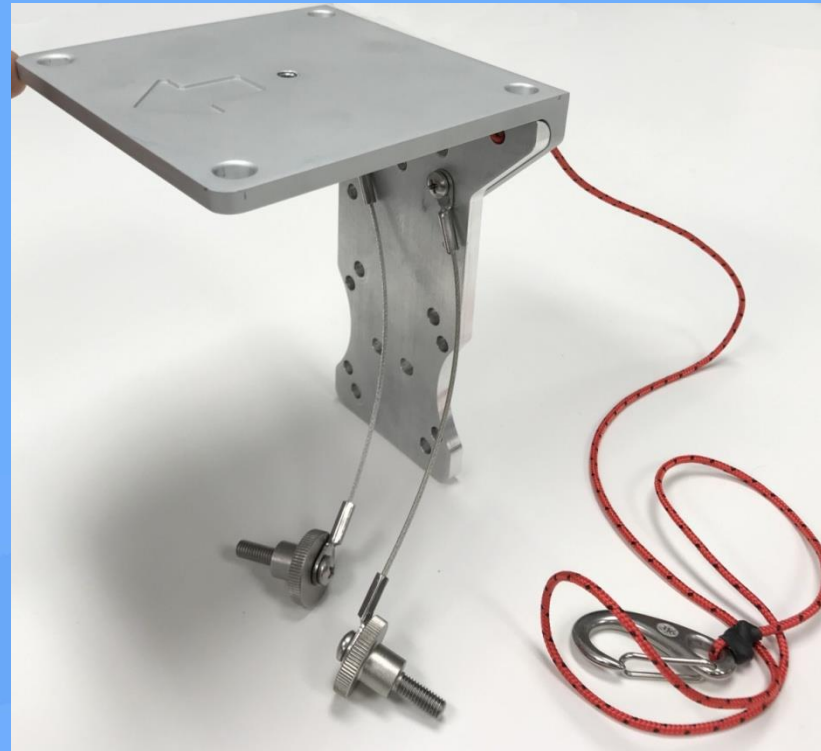
GOGO Bracket

6. Attach Tool's Tether into the hole provided.
7. Place Tool into the mounting pattern and tighten Tool Fastening Knob.
8. Use the Tool to perform the alignment as usual.



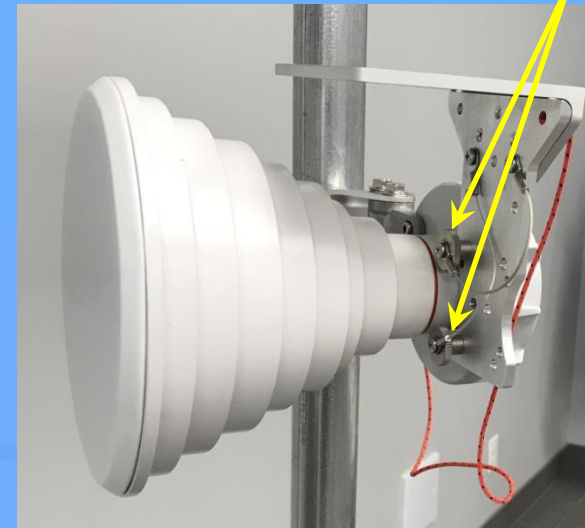
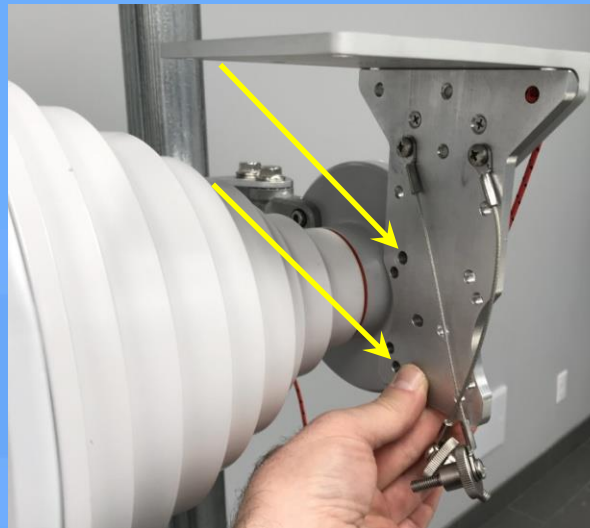
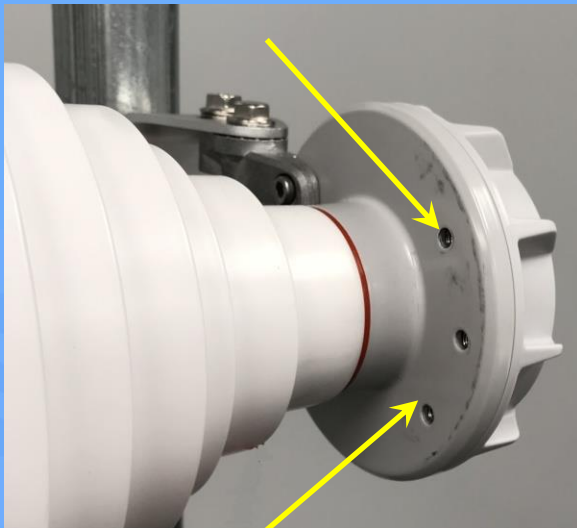
RF Elements Bracket

1. The RF Elements Bracket was designed in cooperation with RF Elements for Gen2 Symmetrical Horns. It works with all HG3-xx-Sxx Horns.



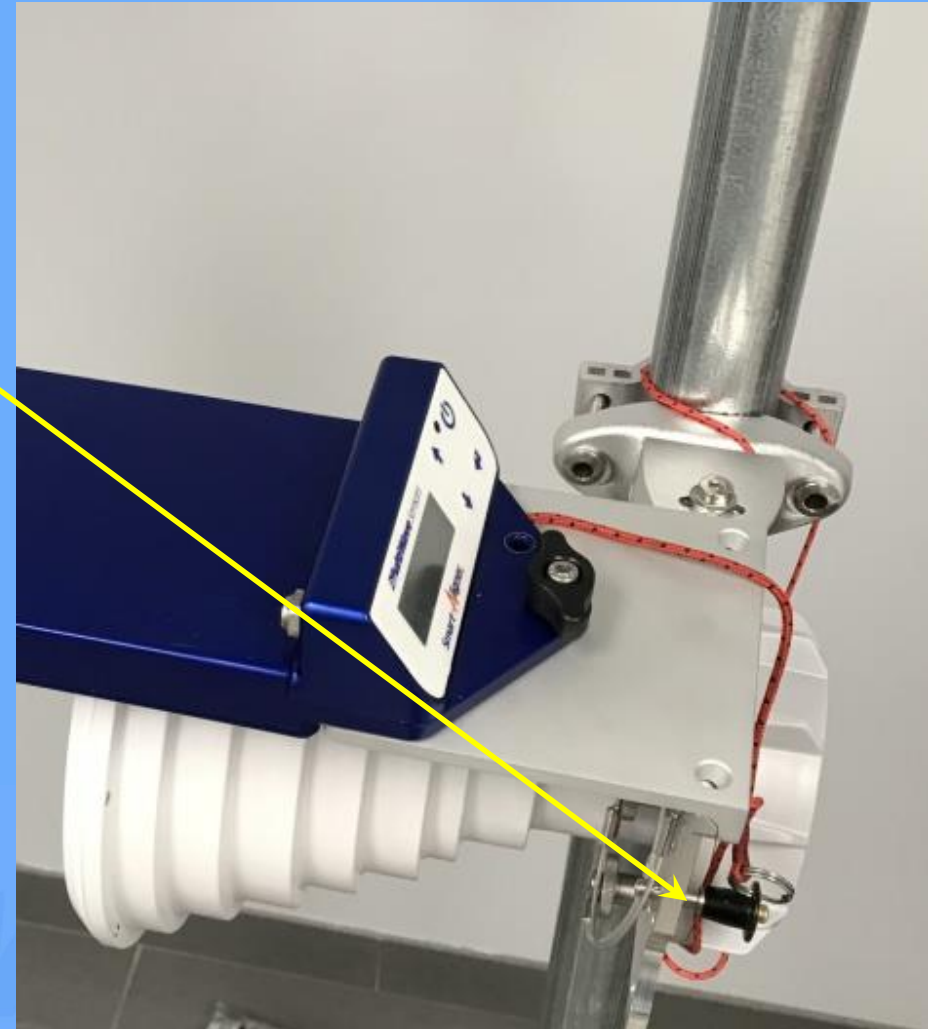
RF Elements Bracket

2. Bracket is mounted into the upper and lower holes.
3. Tether the Bracket as usual.
4. There are multiple hole patterns for different antenna models. Hold the Bracket up to the holes and determine which pattern matches.
5. Fasten the Bracket in place with the supplied tethered screws.



RF Elements Bracket

6. Insert the Tool's Tether into the hole provided.
7. Mount the Tool in the desired orientation and fasten as per usual.



RF Elements Bracket

8. Align the antenna as per usual.



AIR 1641 Bracket (pictures to be added)

1. This Bracket was designed to attach to the mounting bracket of the AIR 1641 Antenna. As such, it will fit a number of AIR models using that mounting bracket.



AIR 1641 Bracket (pictures to be added)

2. First tether the bracket as usual.
3. Make sure that the Catch Plate is vertical before inserting into the oval cut-out.
4. Rotate the Catch Plate horizontally.



AIR 1641 Bracket (pictures to be added)

5. Hold the Bracket firmly against the side of the Mounting Plate of the antenna and push the Fastening Lever down to lock.
6. Attach the Tool's tether into the hole as shown.
7. Mount the Tool and align the antenna as normal.



Course End

The logo for MultiWave Sensors features a stylized wave icon on the left, followed by the text "MultiWave" in a bold, italicized sans-serif font, and "Sensors" in a lighter, italicized sans-serif font.