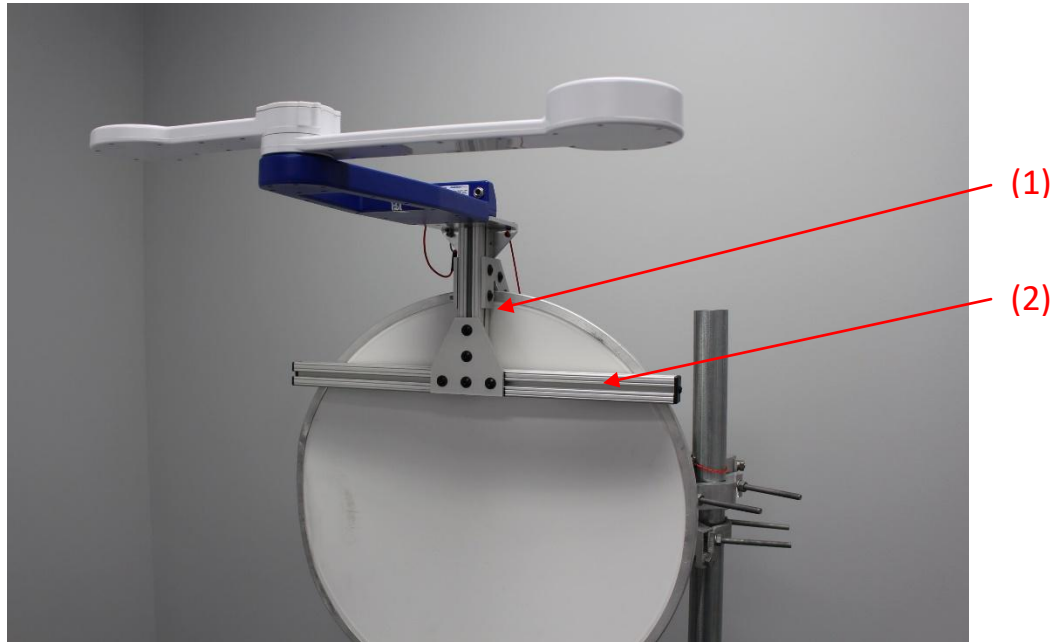


Mounting the Smart Aligner to a Microwave Point to Point Antenna using the Dish Bracket System (example shown is a Commscope VHLP2)

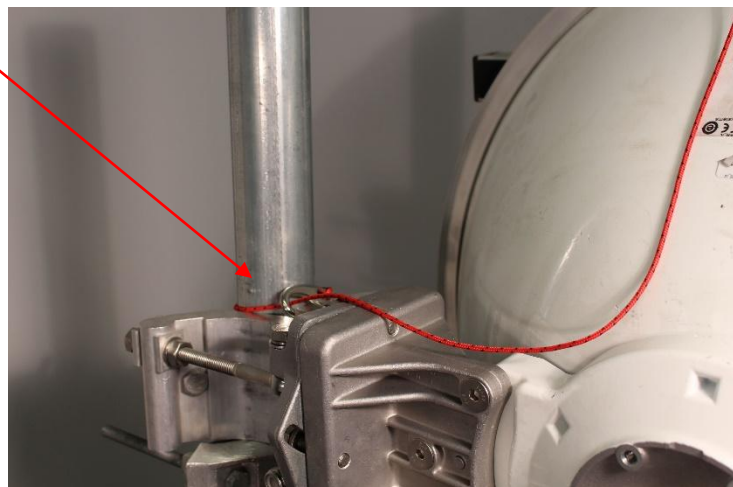


- 1) The Dish Bracket System is sold in two parts. The Dish Bracket Mount (1) is attached to the Dish Bracket Horizontal Bar (2) as per the assembly instructions on page 3. The Horizontal Bar comes in different lengths, which are used for various diameters of dishes as per the following table:

<u>Horizontal Bar Length</u>	<u>Dish Diameter Range</u>
2'	1.5' to 2'
3'	1.5' to 4'
4'	1.5' to 8'
6'	1.5' to 16'

- 2) Once the Dish Bracket has been assembled, it can be taken to the RAD center. The Universal Mounting Bracket, which comes with the Smart Aligner System, is not required.

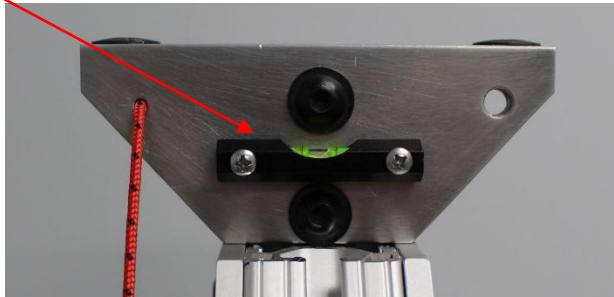
- 3) The first step to mounting the Dish Bracket is attaching the tether to the structure as shown. The tether goes around the structure and clips back onto the line.



- 4) Place the Dish Bracket System over the top of the dish as shown below. The vertical post should be close to the top center of the dish. Note: If the dish has a front radome cover protruding from the front face of the dish, it needs to be removed for the Dish Bracket to mount properly.



- 5) Using the bubble level attached to the back of the Dish Bracket, as shown below, level the Horizontal Bar:

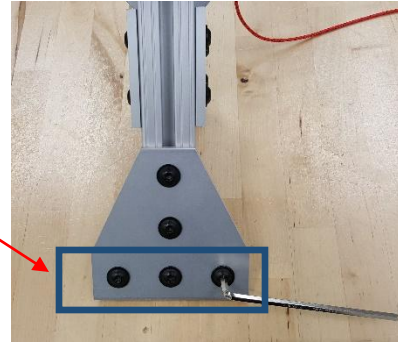


- 6) Prior to attaching the Smart Aligner Tool, put the Tool Tether fast pin into the Mount (3), then attach the Tool as shown below. The base of the Tool (blue part) must face forward when used with this bracket. It is recommended that the arms be deployed in the "T" position as shown. Proceed with the alignment. Note: There is a Dish Target Calculator function in the app's antenna profile entry screen, which can help you determine the proper path orientation.

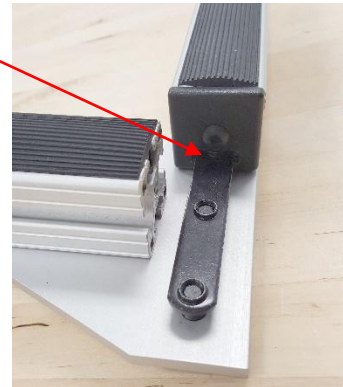


Assembly Instructions for the Smart Aligner Dish Bracket System

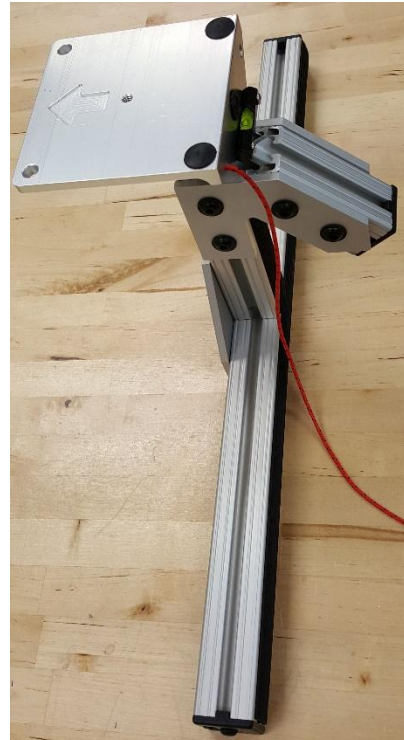
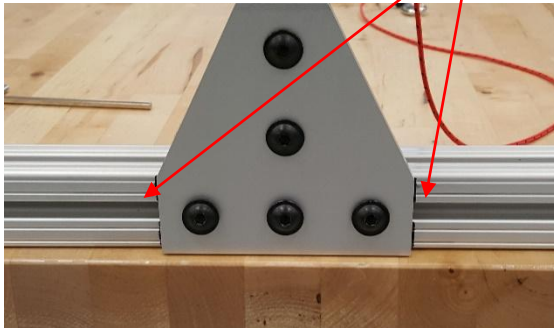
- 1) Using the supplied 3/16" hex key, loosen the 3 horizontal bar attachment screws on the Dish Bracket Mount, as shown to the right, 5 full turns. **Do not adjust any other screws.**



- 2) Insert the nut plate (attached to the 3 screws) into the end of the horizontal bar that has the cut-out as shown to the right. Insert the nut plate completely into the horizontal bar.



- 3) Stand the assembly at the end of a table and slide the Dish Bracket Mount to the center of the Horizontal Bar, between the black marks, as shown below on left. Tighten the 3 screws with the 3/16" hex key. The fully assembled Dish Bracket System should appear as in the bottom right.



Tips and Recommendations

- A) If you have multiple Dish Bracket Horizontal Bars, you only need to loosen the 3 screws 2 full turns to remove from the old bar and insert into the new bar.
- B) If you are separating the Dish Bracket Mount from the Horizontal Bar for storage, we recommend tightening the three screws completely to avoid losing the screws and nut plate. This is how the unit was shipped.
- C) After you are finished with the 3/16" hex key, you can easily push the hex key into the foam of your case to prevent misplacement.