

Calibration Part 2 for Dish Network Antenna with the 1-5/8 inch OD Post

- A. On the control unit set the menu to point dish (Menu 611). Set the satellite to 119°. Slowly move the antenna on the stand to the left. Move one or two degrees and then wait for 2 or 3 seconds. Repeat until you have a signal or where you have moved over 10°. If no readings, move to the right again, moving slowly one or two degrees until you have a signal or you have moved over 10° past the original point.

If you have signal a go to step C.

If you still do not have any signal, check to be sure that the cable to the receiver is good one and connected correctly then go to the next step.

NOTE: A signal is any signal even if it is on the wrong satellite.

- B. Remove the antenna from the mast and adjust the elevation setting on the antenna decreasing by two degrees. Return the antenna to the mast and repeat step A. If you have already tried the antenna's elevation (on even number elevation) from 48 to 40 degrees you need to check the setting you recorded again. You should have had a signal. This is the point that it is recommended that you call Delsand LLC at 425 879 2929.



- C. You need to have had some signal to be at this step. The signal may be on the wrong satellite and that's ok. Check what the signal strength is showing. If it shows strength but wrong satellite, the azimuth settings must be changed as noted below.
- D. Depending on what satellite the menu is on you will need to adjust the azimuth by 9 to 12 degrees. Do this very slowly, moving one or two degrees and then waiting for 2 to 4 seconds. You should lose the current signal and then find the correct one.
1. Standing behind the dish if the Satellite is 119 with wrong sat 110 means that the azimuth should adjust to the right, if 110 and wrong sat is 119 the adjust to the left.
 2. For HD 1000.2 dishes the third satellite is 129. If the satellite is 119 and the wrong sat is 129 then adjust to the left. If the satellite is 110 and the wrong satellite is 129 adjust to the left by 19 to 21 degrees.
 3. If you cannot find the signal for the correct satellite you must return to the position where you had signal strength but wrong satellite. At that point, do a reset on the control unit by holding the "**On**" button for 10 seconds. Repeat this step. If that does not work you may have a line of sight problem or a warped dish. If the dish is warped then the settings will not apply and you may or may not get a signal. The skew is most likely the problem along with

the azimuth. Warped Dishes should be replaced. Call Delsand LLC at 425 879 2929 for more information on warped dishes. If you do not have a warped dish you can do a Check Switch in the next step.

4. Do the check switch tests. More than likely you will get a warning that not all the satellites were found and do you want to save the test? Go ahead and save the test results. You will have to tell it to save it twice. Check the satellites for port 1 and 2. It should be port 1 - 119° and port 2 - 110°. If port 1 is 110° and you have not been able to find the 119° satellite then the line of sight for 119° is blocked. A clear line of sight is a **MUST** when trying to calibrate the stand and the antenna. If port 1 or 2 is 129 then you are 10 to 20 degrees off and most likely have a line of sight problem. If that is not the case call Delsand LLC at 425 879 2929 for further help.
5. When you have a signal for correct satellite slowly move the antenna left and/or right until you have the highest signal strength. At this point, tighten the clamp on the antenna so that the post cannot slide inside the clamp.

You now have calibrated the azimuth setting for you Dish antenna and the Delsand LLC stand.

6. Now that you have the azimuth calibrated you must calibrate the elevation. Watching the signal strength pull back on the top of the antenna. If the reading gets stronger, then the elevation needs to be higher or else the elevation needs to be lower.
7. Loosen the **elevation nuts on the dish** change the elevation one degree at a time. Check each time until the strongest signal strength is obtained. It is suggested that you take the dish off the stand when you are adjusting the elevation.
8. Look at the levels on the mast and make sure that they are within the lines.
9. With the stand and dish antenna calibrated for both azimuth and elevation do a **Check Switch** test and you should have both 119° and 110° with reception verified. Tune into channel 9900 you should get, "Congratulations! You have Dish 500". If you have the Turbo HD dish 1000.2 you might not see the 129 satellite in the check switch. This may only be a display problem with the control unit, tune to channel 9901 if you get, "Congratulations! You are pointing at the 129 orbital location", you have HD., (this is a known problem with the control unit during setup.) It does not affect the TV watching.



You have calibrated your Delsand LLC stand to the Dish Networks dish. This needs to be done only once unless the dish or the LNB gets damaged.

