

Calibration Part 2 for DirecTV & Star Choice Antennas with the 1-5/8 inch OD Post

- A. Move the azimuth base to the azimuth reading indicated in the setup menu, and then tighten the locking knob. With the azimuth set and the base locked, loosen the nuts on the dish antenna clamp so that the dish can slip on the post.
- B. On the control unit, select 101° satellite and odd numbered transponder, check to see if you have any signal. If not, 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 a signal go to step E.
If you still do not have any signal, check to be sure that the cable to the receiver is good and connected, then go to the next step.

Note: Be sure that the cable is on the first connection in the LNB. Not always required but on some LNBs this will cause a lack of a signal. If you have two cables coming from the LNB, label the one that is on the first connection. Use that one to connect to the control unit.

- C. Remove the antenna from the mast and adjust the elevation setting on the antenna down by two degrees to 42°. Return the antenna to the mast and repeat step B. If you have already tried the antenna's elevation at both 42° and 44°, you need to try the antenna's elevation at 40° and then 38°, repeating step B each time.
- D. If you still do not have any signals, recheck the zip code entered. Also check that the skew and elevation used is correct. If that is all correct, remove and reset the Access card, along with pressing the red reset button. The smart card is usually behind a door on the front right bottom corner of the receiver. The red reset button is in the same area. Wait while the receiver is restarting. Then go to the menu and select Setup... Satellite... Repeat setup... Select the dish antenna that you are installing. The round dish is for one satellite, and the oval dish is for two or three satellites. Set the elevation on the antenna back to 32° then repeat step B. If this is the second time you are at this point and still no signal, have the LNB and the antenna checked by a DirecTV provider.
- E. You need to have had some signal to be at this step. 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 your Dish antenna and the Delsand LLC stand.

- F. Now that you have the azimuth calibrated you must calibrate the elevation. Keeping the satellite at the signal strength for 101, pull back on the top of the antenna. If the reading gets stronger, then you will need to increase the elevation, if the reading got weaker then need to push on the dish is the signal gets stronger you will have to decrease the elevation. It is suggested that you take the dish off the stand and adjust the elevation by one degree. Repeat this step until this signal decreases when you pull or push on the dish.
- G. Check that the correct azimuth and elevation are set and all the levels are in their center position.
- H. Tighten all nuts used in the adjustments.



NOTE: Double checking all the signal strengths will result in having accurate settings during the calibration. This will assure that future setups will be quick and painless.

Shaw Direct (Star Choice) user are finish with their calibration.

DirectTV user should do the following.

With the stand and dish antenna calibrated, check the signal strength on all transponders for the satellites for the LNBs on the dish. For one LNB it would only be 101; for two sat LNB it would be 101 and 119; for three LNB it would be 101, 110 and 119.

Note: Occasionally, you will see a transponder that is not active, strength 00. It is possible that this transponder is reserved for upcoming programming expansion. Check to be sure that other transponders have good readings in the high 80's or 90's.

Note: In most of the US, the tilt adjustment should be fixed. However because of the large tilt angle to satellite 119 in the eastern seaboard states a small amount of tilt fine-tuning may improve the 119 signal strength. Fine tune the tilt adjustment by + or – three degrees. Check to see if 119 get stronger and 101 stays about the same.

You have calibrated your Delsand LLC stand to the DirectTV's dish. Or Star Choice's dish.

This needs to be done only once unless the dish or the LNB gets damaged.