



## Application Note

08/17/2007

### Installing DIRECTV SlimLine / AT9KaKu with the SAT 9520™

Preset the antenna and mast hardware per the directions of DIRECTV.

Meter set-up:

- Channel Plan: Dual 500
- Switch Type: 22 kHz

In the Run Mode:

To find the 101° satellite

- Tune to TR 21
- Press the LNB button once to power the 101° LNB (SAT A) – no 22 kHz tone will be provided
- Align antenna until a DIRECTV Lock status is obtained.
- Optimize the alignment by obtaining the best C/N value.

To find the 110° & 119° satellites

- Press the LNB Button a 2<sup>nd</sup> time (Sat B has 22 kHz)
- Tune to desired transponder. Transponders 8, 10, and 12 are on the 110° satellite. Transponders 22 through 32 are on the 119° satellite.
- Adjust the skew of the antenna for DIRECTV Lock status and until the best C/N value is obtained.

To Look at the Ka High Transponders

Meter set-up:

- Channel Plan: DirecTV Ka
- Switch Type: 22 kHz

In the Run Mode:

To Look at the 103° and the 99° satellites

- Press the LNB button (SAT A has no 22 kHz and will power 99°, SAT B has 22 kHz and powers the 103°)
- Tune to Transponders 1-6 (find one with a signal)
- Subtly adjust the antenna alignment for the strongest signal level and best C/N value.

Note: You will not see DIRECTV Lock Status on the 99° and 103° Ka satellites because the SAT9520™ cannot demodulate these signals. However, even though the meter only displays "Search", it is still looking at each individual Ka transponder and the Signal Level and C/N values are accurate. Check with DIRECTV to see if the spot beams from the 99° and 103° Ka satellites are "hot" (live) in your area.