Application Note
8/6/2014

Installing **Shaw Direct** using the AI Turbo S2 satellite meter

KU XKU DS

Connections: Connect coax cable from an LNBF output port to AI Turbo S2 meter's ODU / LNB port.

Meter set-up
Press the **SYST** System soft-key (located near top left corner of LCD screen) to enter the System Setup menu. Then select the following:

- REGION your geographic region
- SERVICE **Shaw Direct**
- SYSTEM choose **xKu** or **Ku** or **DS** depending on your model of LNBF
  xKU = new quad maps
  KU = old quad maps
  DS = Dual Stacked
- LNB MODEL **(N/A)**
- SWITCH TYPE defaults to **22kHz**

*To make selections, press up/down arrow keys to scroll to the item to change and press **Enter**.*
*Press **EXIT** or **DONE** to return to Run Mode*

Antenna Pointing
Install the mast plumb, preset the antenna vertical angle and skew, mount to mast and grossly align azimuth. You may want to use the AZ/EL postal code look-up table to obtain rough antenna settings based on your postal code.
Note: Shaw Direct uses the Anik F1R and Anik G1 (107.3W) and Anik F2 (111.1W) satellites.

- Press the **AZ/EL** soft-key near lower left corner of LCD screen, type in the local postal code using the numeric keypad, and press **ENTER**. Approximate antenna settings will be displayed. Press **EXIT** soft-key to return to the main Run screen.

Run Mode

- Press **LNB** soft-key once (located near middle right side of LCD screen) to power the LNBF.
  LNB1 = 107.3W (Anik G1 and Anik F1R)

After pressing the **LNB** soft-key to power the LNBF:

1) Adjust the antenna azimuth, elevation, and skew to obtain maximum signal level (left bar graph), signal quality (right bar graph), and LOCK status.
2) Press the **ID** soft-key to verify the satellite. "ID VERIFIED" means you are pointed correctly.
3) If "ID FAILED" is displayed, press **SCAN** soft-key and AI Turbo S2 will find which satellite you are aimed at.

4) If desired, you may also use Up/Down arrow keys to scroll through other transponders to check for proper signal level and quality. It is recommended to align the antenna using the default transponder.
5) Press **LNB** soft-key again (located near middle right side of LCD screen). The meter now sends a 22 kHz signal to tell the LNBF assembly to look at the second feed horn. LNB2 = 111.1W (Anik F2)
6) Repeat steps 1 through 4 to optimize signal reception from Anik F2 satellite (111.1W). You can then toggle back to LNB1 to make sure your signal reception from Anik G1 and Anik F1R (107.3W) is still good.

-It is NOT recommended to keep AI Turbo S2 meter in line while checking IRD (receiver) status due to attenuation from our circuitry.