



## Application Note

07/26/2011

### Installing Cascom 111.1°W Anik F2

### C Band systems with Super Buddy™ satellite meter

#### C-Band LNB

**Connections:** C-Band LNB connected to top (SIGNAL IN) port of Super Buddy satellite meter

#### 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                    **Generic C Band**
- SYSTEM                    **H/V Sngl Pol LNB** This selection is referring to Horizontal/Vertical Single Polarity LNB setup
- LNB MODEL                **LO=5.150 3.4-4.2**
- SWITCH TYPE              defaults to **none**

*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, mount to mast and grossly align azimuth. You may want to use the ZIP postal code look-up feature to obtain rough antenna settings.

- Select the horizontal polarity (**HZ**) with the upper right soft-key. The polarity indicated on the Super Buddy meter should always match up with the receive polarity related to your feed horn position.
- Press the left / right arrow keys to select the desired satellite, Anik F2 111.1°W (orbital position displayed in upper left corner of LCD screen).
- Press the **ZIP** zip code soft-key (located near lower left corner of LCD screen). Type in the local postal code or latitude/longitude coordinates using the numeric keypad and then press **ENTER**. Approximate antenna settings (magnetic compass heading, elevation, polarization offset) will be displayed.

#### Run Mode

After selecting the satellite and receive polarity:

- Adjust the antenna azimuth and elevation to obtain maximum signal level (left bar graph), signal quality (right bar graph), and LOCK status.
- Adjust the polarization offset by rotating the feed horn assembly and adjust the feed horn focal depth distance to maximize signal quality, if necessary.
- Press the **ID** soft-key to verify the satellite. "ID VERIFIED" means you are pointed correctly.
- If "ID FAILED" is displayed, press **SCAN** soft-key and Super Buddy will find which satellite you are aimed at.
- If desired, press Up/Down arrow keys to scroll through other transponders to check for proper signal level and signal quality. It is recommended to aim the dish initially while tuned to the default transponder.

#### Other Notes:

-It is recommended to display the C/N signal quality value instead of the arbitrary IRD value since the IRD value scale is more appropriate for smaller dishes. To change your settings, press the **MENU** soft-key in bottom right corner of LCD screen. Use Up / Down arrow keys to scroll to Options and press **Enter**. Use Up / Down arrow keys to scroll to the Quality field. Then use Left / Right arrow keys to select C/N. Press **EXIT** soft-key twice to return to main Run screen.