



## Application Note

03/06/2012

### Using the IRD port with the Super Buddy™ satellite meter

**Connections:** Coax cable from the receiver to the IRD port on the Super Buddy.

The IRD connector has two functions:

- Measures voltage supplied by the IRD
- Allows voltage supplied by IRD to power the LNB extending the battery life. However, the meter itself is always powered by the battery.

#### Run Mode:

The LNB soft key **will not** be used to power the LNB or toggle between satellites since the voltage is being provided by the IRD.

After completing the System Setup:

- 1) Press DONE or EXIT to return to the main Run screen.
- 2) Preset the elevation and skew of the dish based on the parameters provided by the Super Buddy's ZIP lookup feature (ZIP soft-key on main Run screen).
- 3) Connect the coax cable from the receiver to the bottom (IRD) port of the Super Buddy.
- 4) Connect a coax jumper cable from the top (LNB) port of your Super Buddy meter to the LNBF output port of the LNB.
- 5) For multi-LNB systems you will have to set the receiver to power the individual LNB desired. This includes any system that the dish is looking at more than one satellite (i.e. Dish Network, DirecTV, Bell TV).
- 6) Press the Left or Right arrow keys to the desired satellite (displayed at the top left of the LCD).
- 7) Fine tune azimuth, elevation and skew of dish to maximize signal level (left bar graph) and signal quality (right bar graph), and achieve LOCK.
- 8) Press ID soft-key to verify ID of satellite.
- 9) You may still verify the signal on the different transponders by pressing the UP or Down arrow keys on the Super Buddy (transponder number and frequency displayed in the top right of the LCD).
- 10) To measure the voltage supplied by the IRD; press the MENU soft key in the lower right of LCD, scroll and highlight Volt/Amp and press enter (or press V/I soft key in upper right of LCD). This screen displays the voltage being supplied to the LNB, the current draw of the LNB, the voltage from the IRD, and the battery voltage.

#### Notes:

-It is NOT recommended to keep the Super Buddy meter in line while checking receiver status due to attenuation from our circuitry.

Please ensure that you have the latest versions of North American Field Guide, Software, Dish Limits, and USA Zip Codes loaded into your meter. If your meter has older versions loaded, please use the FlashUpdate program to update your meter, as described in the Operations Manual.