



Application Note

11/15/2010

Installing WSI Weather Satellite System with Super Buddy™ satellite meter

Connections: LNB connected to top (SIGNAL IN) port of Super Buddy meter with coax cable.

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 Ku Band**
- SYSTEM H/V Sngl Pol LNB
- LNB MODEL **LO=10.75 11.7-12.2 (LO 10.75 GHz is most common in North America, but you may choose other LO options if applicable to your LNB)**
- SWITCH TYPE defaults to **none**

*To make selections, arrow up or down to the item to change and press **Enter**, then arrow up or down to the desired option 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 zip code look-up feature to obtain rough antenna settings.

- Use left / right arrow keys to select the desired satellite (orbital position displayed in upper left). Refer to your service paperwork to know which satellite to aim dish at. You will most likely be aiming at the AMC-1 satellite (103.0°W).
- Press the **ZIP** zip code soft-key, punch in the local zip code, and press **ENTER**. Approximate antenna settings will be displayed. Press **EXIT** soft-key to return to the main Run screen.

Run Mode

- Select the vertical or horizontal receive polarity (**VT** or **HZ**) with the upper right soft-key. Refer to your service paperwork to know which receive polarity to choose. You will most likely be using the vertical (VT) receive polarity.
- Press **LNB** soft-key (located on middle right side of LCD screen) to power the LNB.

After selecting the satellite, receive polarity and pressing the **LNB** soft-key to power the LNB:

- Adjust antenna azimuth and elevation to obtain maximum signal level (left bar graph), signal quality (right bar graph), and LOCK status.
- Rotate the LNB and feed horn assembly (adjusting the polarization offset) to maximize signal level and quality. Your zip code lookup screen will provide an approximate polarization offset for you.
- 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, you may also use Up/Down arrow keys to scroll through other transponders to check for proper level and quality.

Other Notes:

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