

## PRODUCT LAUNCH BULLETIN: DISH 500+ AND DISH 1000+

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### Introduction

The DISH 500+ satellite dish antenna receives signal from the 110°W and 119°W DBS orbital locations and the 118.7°W FSS orbital location. An optional LNB and bracket is attached to upgrade the DISH 500+ to a DISH 1000+, adding reception from the 129°W DBS orbital location.

### DISH 500+ and DISH 1000+ Equipment

- DISH 500+ and DISH 1000+ use the same reflector, mast, and backing structure.
- DISH Pro 500+ LNB Assembly includes a FSS/DBS Dual Band LNB for reception of 118.7° and 119°, and a separate DISH Pro Dual (or Single) for reception of 110°. Connect the three LNB output ports to a DP34 Switch or DPP44 Switch.
- Upgrade the DISH 500+ to a DISH 1000+ by adding a DISH 1000+ bracket. The bracket attaches to the side of the DP 500+ LNB Assembly for mounting a DISH Pro Dual or Single for reception of the 129° orbital location. Connect the four LNB output ports to a DPP44 Switch.

### Installation Tips

- Install the DISH 500+ and DISH 1000+ using the *DISH 500+ and DISH 1000+ Installation Instructions*.
- Connect the satellite receiver or peaking meter to the 119° feed, labeled “2D”, and peak the signal on 119°. After peaking, connect the LNBs to the switch (DP34 or DPP44), ensuring the 119° feed is on PORT 1, and run a check switch test. Download the latest receiver software and run a second check switch test, then fine-tune the alignment of the dish for 118.7°. Verify signal from all orbital locations after fine-tuning the alignment.
- The skew angle differs slightly between DISH 500+ and DISH 1000+. Use the correct peaking angles from the *DISH 500+ and DISH 1000+ Installation Instructions*.
- When using a pole mount for the DISH 500+ or DISH 1000+, a six to eight foot pipe length made of 16 gauge or thicker galvanized steel and with a 1 5/8” (1.66”) outer diameter must be used. The pipe must have at least three feet buried below the ground with an anti-rotation bar and be encased in concrete.
- Struts are included with the mast kit; however, their use is optional. The intended installation of the antenna system is to withstand wind forces up to 350 pounds of applied force to the reflector. If all lag bolts used to secure the mast foot at each of the four corner mounting locations cannot be installed into solid material, such as solid wood studs, solid brick, or concrete, then struts should be installed. Do not use a mast designed for use with the DISH 500 or DISH 1000 as it will not support the wind load requirements of the DISH 500+ or DISH 1000+.
- While all DISH Network satellite receivers can be connected to the DISH 500+ or DISH 1000+, the following models cannot detect the 118.7° or 129° locations: 1000, 2000, 3000, 4000, 5000, JVC-DVHS (IRR), and the DishPlayer 7100/7200. The DISH 721 currently does not support the 118.7° location, but will in the future.
- Models 2800, 6000 and DISH 721 may show “119K” for 118.7° in the **Point Dish** and **Installation Summary** screens. Other receivers that support 118.7° will display “118” in these screens.
- Receivers need to download the latest software to view 118.7° and 129°W.