

DISH Pro & DISH Pro Plus Installation Quick Reference Guide



DISH Pro (DP) Products

- DP Single LNBF
- DP Dual LNBF
- DP Twin LNBF
- DP Quad LNBF
- DP21 Switch
- DP34 Switch
- DP Adapter for Legacy receivers



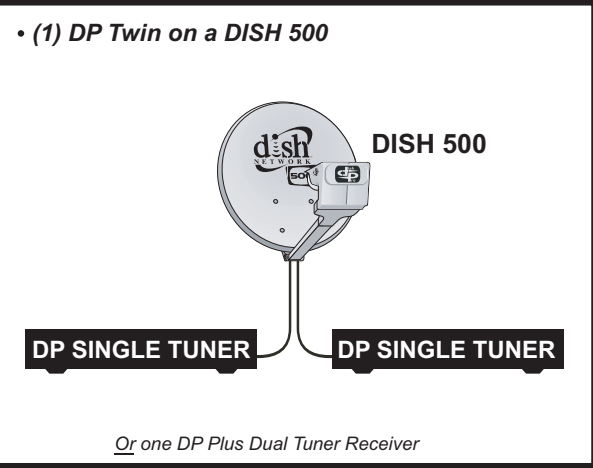
DISH Pro Plus (DP Plus) Products

- DP Plus Twin LNBF
- DP Plus 44 Switch
- DP Plus Separator

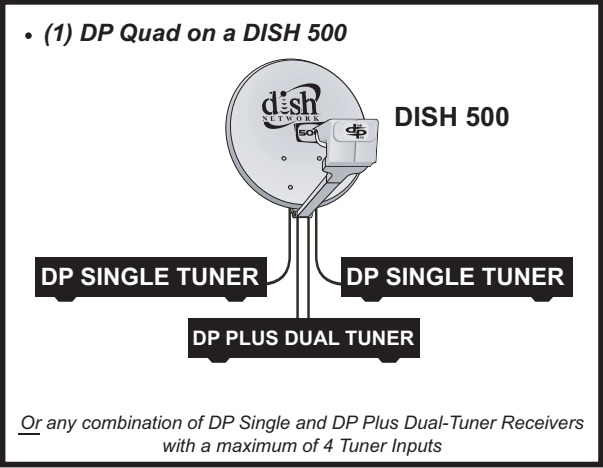


TWO ORBITAL LOCATIONS

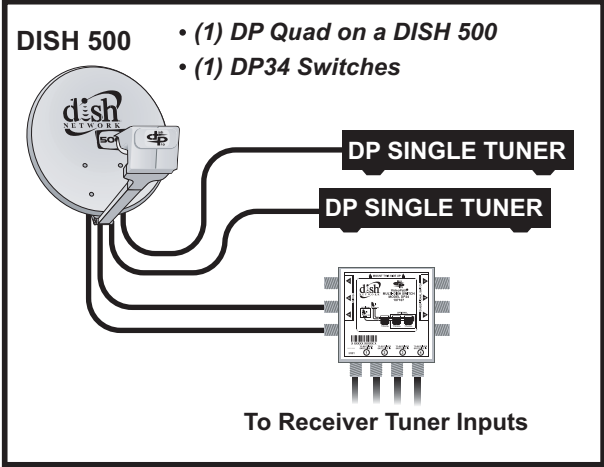
Two Orbital Locations, 2 Tuners



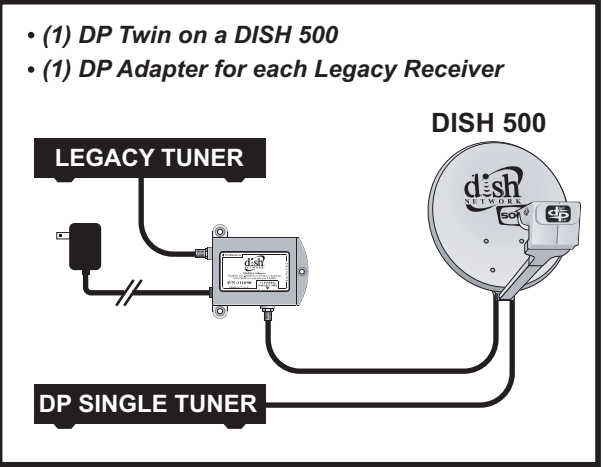
Two Orbital Locations, 4 Tuners



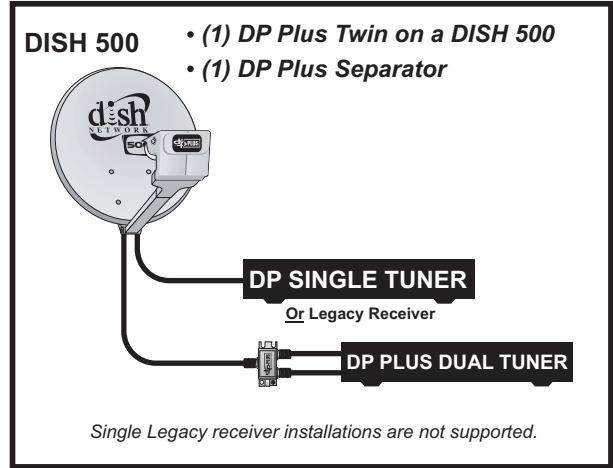
Two Orbital Locations, 6 Tuners



Two Orbital Locations with a Legacy Receiver



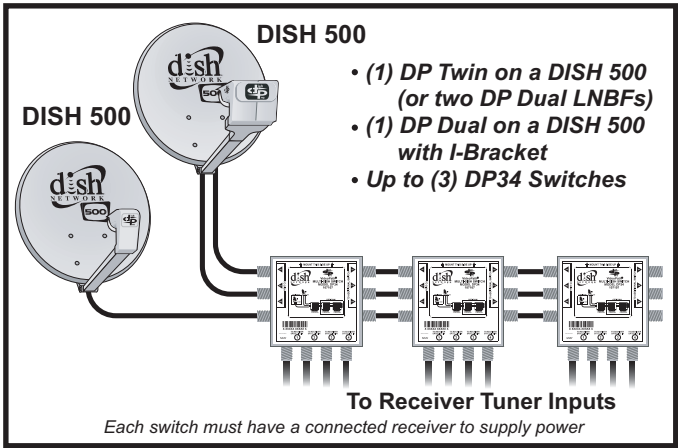
Two Orbital Locations using a DP Plus Twin



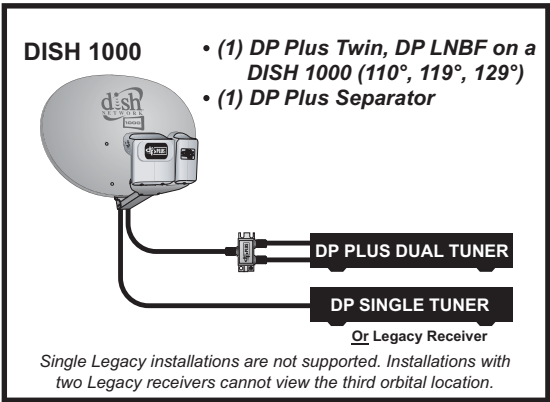
Grounding according to the National Electric Code (NEC) and all local electrical codes is required.

THREE ORBITAL LOCATIONS

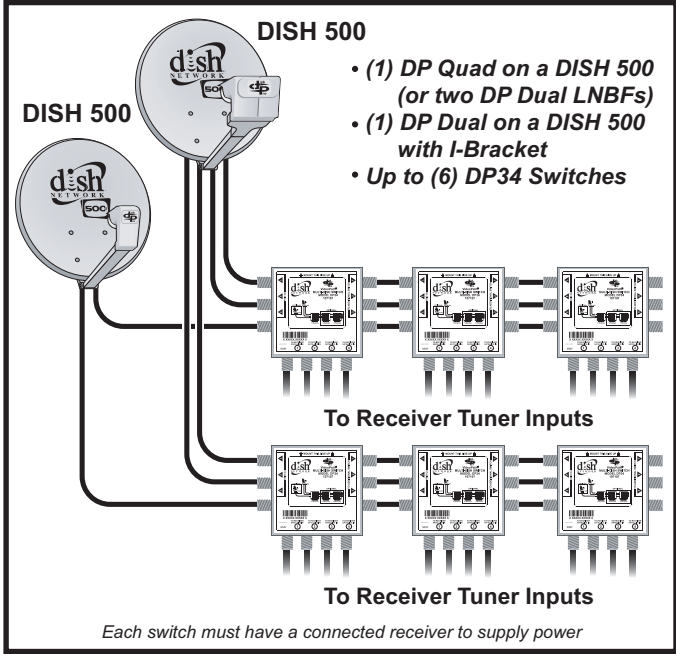
Three Orbital Locations, up to 12 Tuners



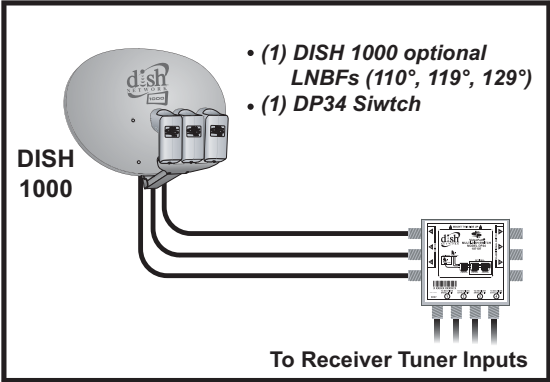
Three Orbital Locations, DISH 1000



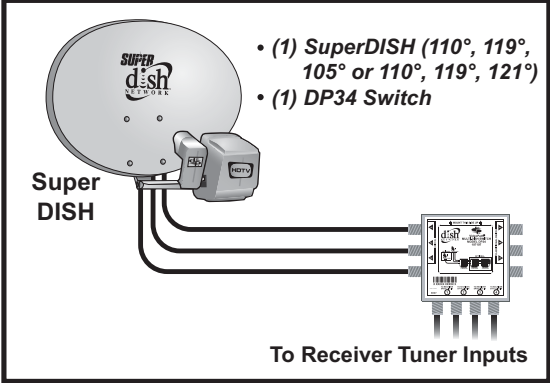
Three Orbital Locations, up to 24 Tuners



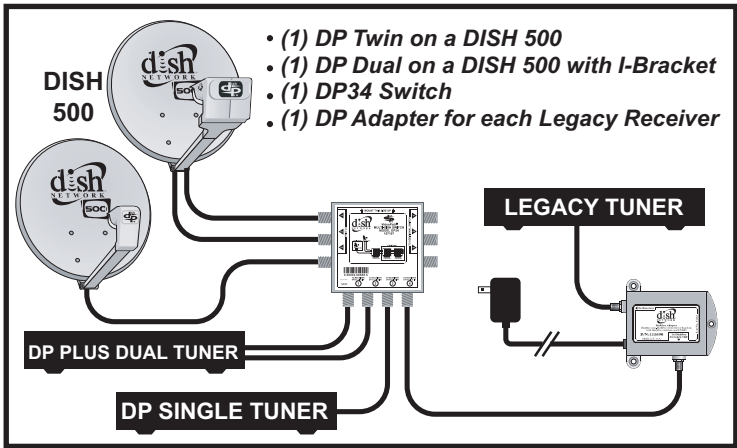
Three Orbital Locations, DISH 1000



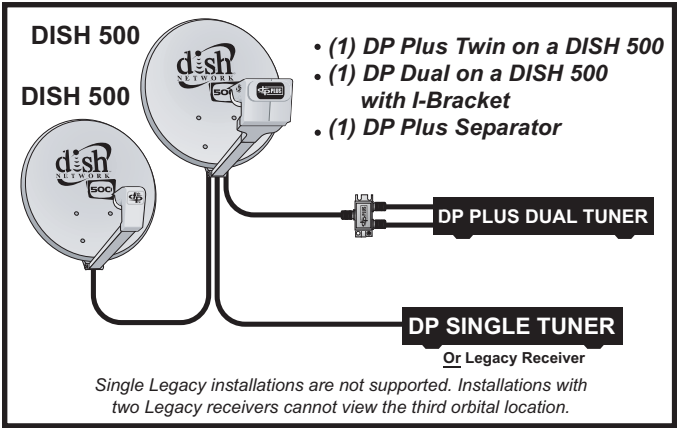
Three Orbital Locations, SuperDISH



Three Orbital Locations with a Legacy Receiver

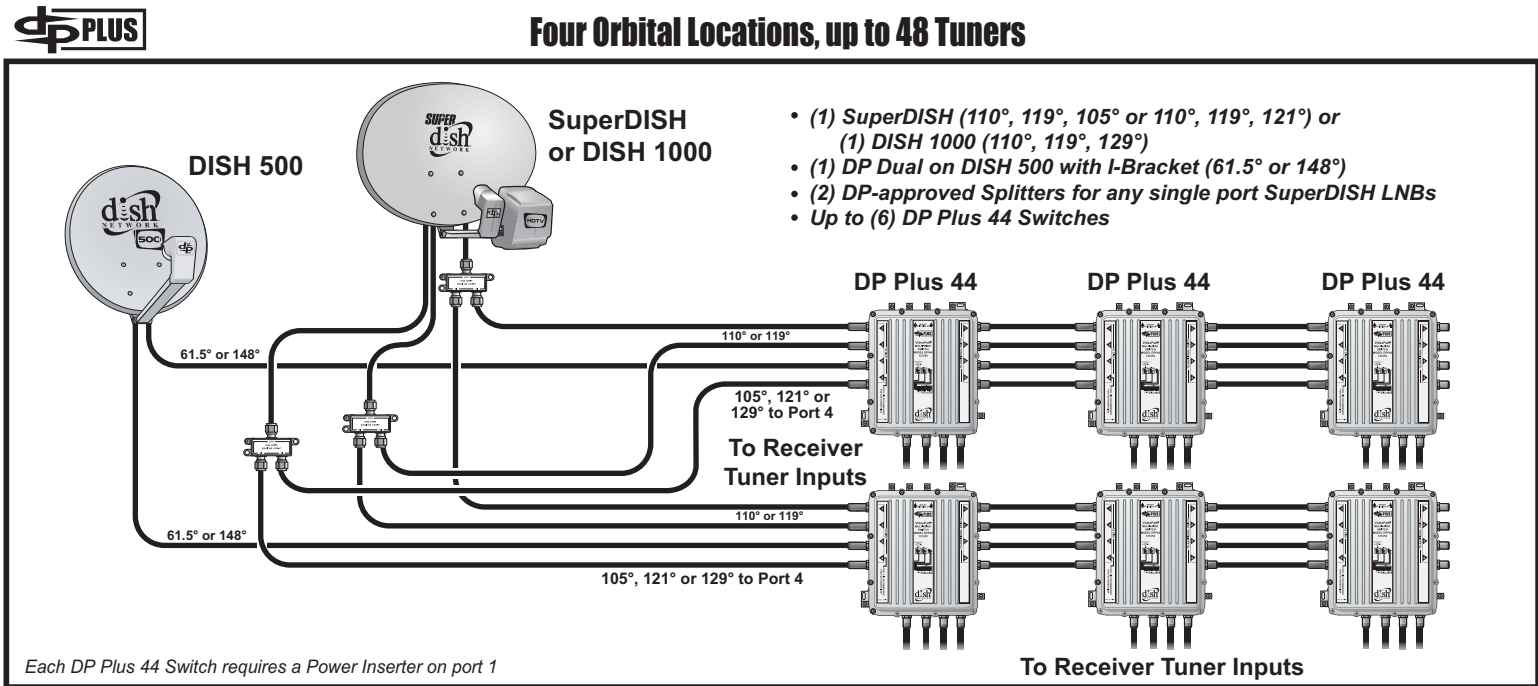
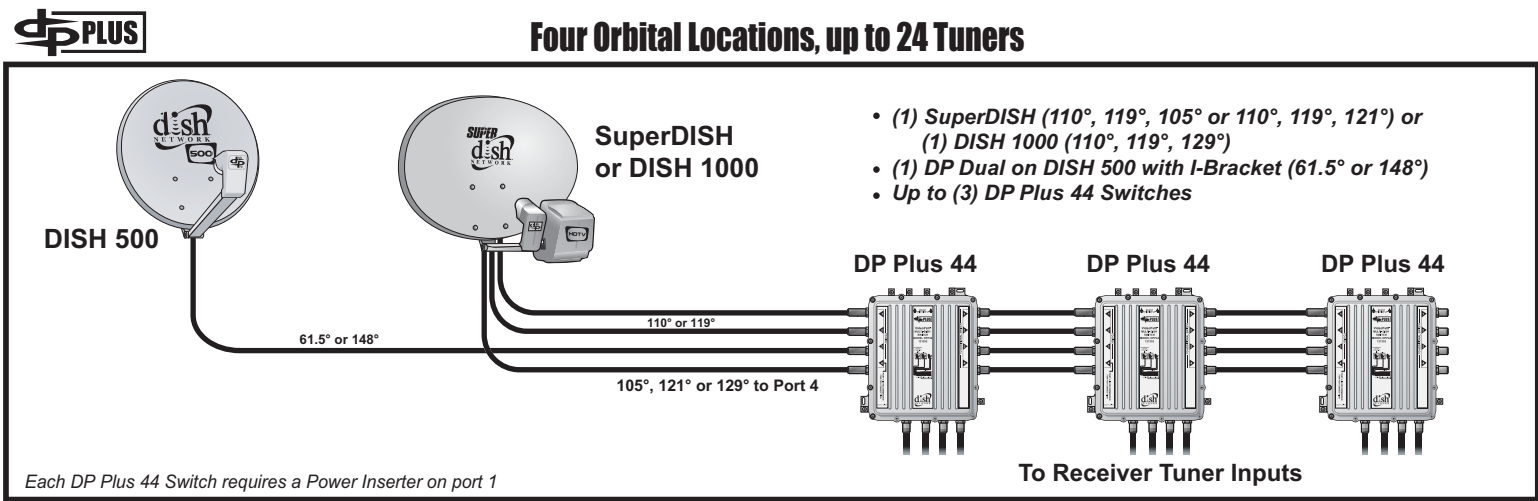
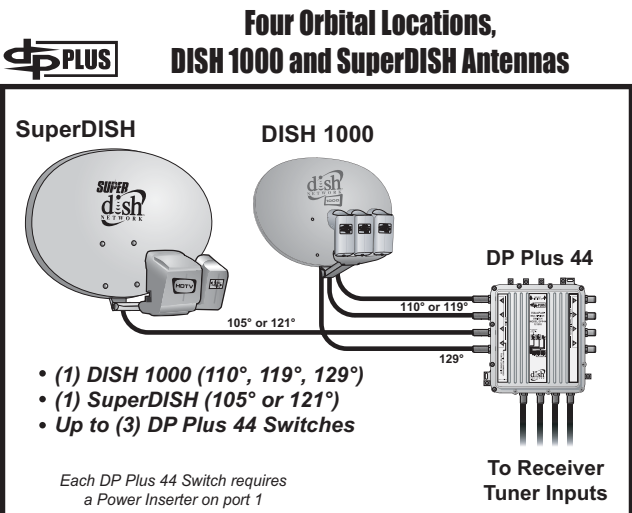
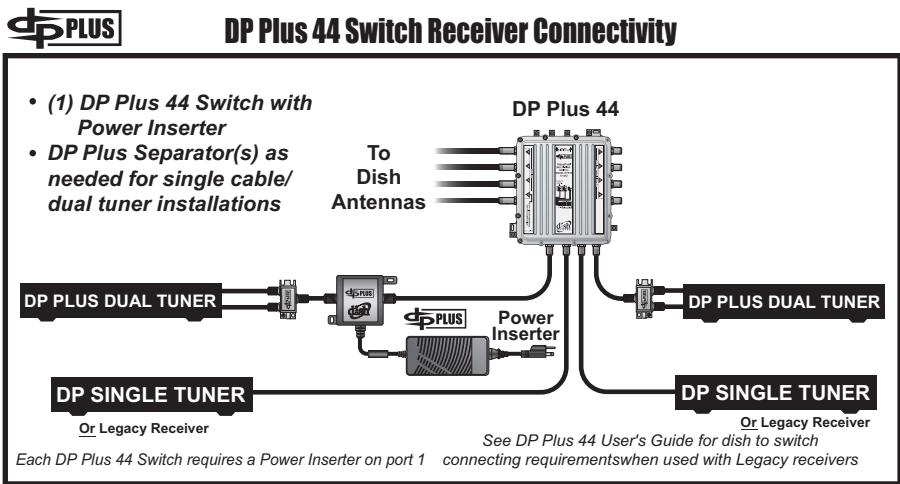


Three Orbital Locations, with DP Plus Twin



Grounding according to the National Electric Code (NEC) and all local electrical codes is required.

FOUR ORBITAL LOCATIONS



Grounding according to the National Electric Code (NEC) and all local electrical codes is required.

DISH Pro & DISH Pro Plus Installation Considerations

LNBFS AND SWITCHES

- DISH Pro LNBs work with DISH Pro Plus switches. The DISH Pro Plus Twin functions the same as a DISH Pro Twin LNB when connected to any DISH Pro Plus switch.
- Cannot connect DISH Pro Plus Twin to DISH Pro 34/DISH Pro 21 switch.
- DISH Pro Plus 44: 119°/110° on first (top) two ports.
- Legacy LNBs and switches can never be used with DISH Pro or DISH Pro Plus LNBs and switches.
- The maximum recommended cable length is 200 feet from the LNBs to the furthest DISH Pro or DISH Pro Plus receiver; 150 feet for Legacy receivers.
- When mounting switches, position according to instructions on the label.
- Use drip loops to direct water away from F-connectors.

LEGACY RECEIVER INSTALLATIONS

- The DISH Pro Adapter must be used to connect any Legacy satellite receivers to a DISH Pro LNB or Switch.
 - **Legacy Receivers include:**
 - Models 1000, 2000, 3000, 4000, 5000, 6000, 2700, 2800, 3700, 3800/3900, 4700/4900
 - DISHPlayer Models 7100, 7200
 - All OEM-equivalent models (e.g. RCA, JVC, Phillips)
- The DISH Pro Adapter is NOT needed when a Legacy receiver is directly connected to a DISH Pro Plus LNB or Switch.
- 1000, 2000, 3000, 4000, 5000, JVC DVHS IRR, and DISHPlayer 7100/7200 model receivers do not support 4 orbital location installations or reception from the 105°, 121°, and 129° orbital locations.

DISH PRO PLUS (DP PLUS) RECEIVERS

DP Plus receivers can be connected with a single cable to DP Plus switches or LNBs when used with a DP Plus Separator.

See the “Receiver LNB/Switch Compatibility Chart” for details.

SINGLE-CABLE, DUAL-TUNER INSTALLATIONS

- Three DISH Pro Plus components must be connected together for this type of installation:
 - DISH Pro Plus LNB or Switch
 - DISH Pro Plus Separator
 - DISH Pro Plus (dual-tuner) Receiver
- Two single-tuner receivers **cannot** be connected to a DP Plus Separator – they are not DISH Pro Plus receivers.

INSTALLATION MATERIALS

Materials used in a DISH Pro or DISH Pro Plus installation must be rated to 2150 MHz and pass DiSEqC 22 KHz tone.

These materials include:





- RG-6 cable
- Ground blocks
- Diplexers
- Splitters
- Line amps
- Barrel connectors
- Wall plates
- Surge protectors

DISH Network Retailers, please refer to the latest “DISH Pro/DP Plus Compatible Accessories List” located on the Retailer Care Site.





FOR MORE INFORMATION (available on the Retailer Care Site):

- “Quick Facts” and “Installation Considerations” documents for:
 - DISH Pro Plus Technology
 - DISH Pro Plus 44 Switch
 - DISH Pro Plus Twin
 - DISH Pro Plus Separator
 - Single-Cable, Dual-Tuner Installations
- Installation Guides
- Distribution Diagrams

Receiver & LNB/Switch Compatibility Chart

				
Legacy LNBs & Switches	DISH Pro LNBs	DISH Pro Switches	DISH Pro Plus LNBs	DISH Pro Plus Switches
Single, Dual, Twin, Quad SW21, SW42, SW44, SW64, SWAJ	DP Single, DP Dual DP Twin, DP Quad	DP21 DP34	DP Plus Twin	DP Plus 44
Legacy Receiver	Yes	Yes, with DP Adapter	One, with additional receiver. Two, but only viewing 110° and 119°	Yes
DISH Pro Receiver	Yes	Yes	Yes	Yes
DISH Pro Plus Receiver	Yes	Yes	Yes	Yes
DISH Pro Plus Receiver with DP Plus Separator	No	No	Yes	Yes

LNB & Switch Connectivity Chart

				
DISH Pro LNBs	DISH Pro Switches	DISH Pro Plus LNB	DISH Pro Plus Switches	
DP Single, DP Dual, DP Twin, DP Quad	DP21 DP34	DP Plus Twin	DP Plus 44	
Legacy LNBs or Switches	No	No	No	No
DISH Pro LNBs	---	Yes – DP Single or DP Dual using DP Plus Twin's input port	Yes	
DISH Pro Switches	Yes	No	DP34-Yes, but DP34(s) will not have DP Plus capabilities or 4 th orbital location	
DISH Pro Plus Twin	Yes – DP Single or DP Dual using DP Plus Twin's input port	---	Yes – LNB's input port will be disabled. DP Plus capabilities will occur within the DP Plus switch	
DISH Pro Plus 44 Switch	Yes	DP34-Yes, but DP34(s) will not have DP Plus capabilities or 4 th orbital location	Yes	