

DISH Pro Technology 20 Questions

(Answers on page three)

1. Which of the following are not DISH Pro compliant receivers:
 - a) DISH 301
 - b) DISH 501
 - c) DISH Player-DVR 510
 - d) DISH 721
 - e) Model 6000
 - f) Model 4900
2. DISH Pro LNBFs can be used with SW21, SW44 or SW64 switches. True or False.
3. DISH Pro DP34 switch can be used with which of the following:
 - a) Legacy Single LNBF
 - b) Legacy Dual LNBFs
 - c) Legacy Twin or Quad LNBFs
 - d) All of the above
 - e) None of the above
4. DISH Pro DP34 switches cannot be used outdoors. True or False.
5. DISH Pro DP34 switches require an external power inserter and wall transformer (like an SW44 or SW64). True or False.
6. When connecting the DISH Pro LNBFs to the DP34 switch, you can mix and match the feeds from the DISH Pro Twin and the third orbital location (for example, Port 1 - 119°, Port 2 - 61.5°, Port 3 - 110°). True or False.
7. When connecting the receivers to the DP34 switch, you must start with Port 1. True or False.
8. To add on more than four single-tuner receivers, you'll use another DP34 switch, splitters and load barrels (like a two-SW64 install). True or False.
9. In an installation with DISH Pro receivers (like a DISH 311 or DISH 508) and non-DISH Pro ("Legacy") receivers (like a Model 4900 or Model 6000), it's a good idea to use a DP34 switch for the DISH Pro receivers and connect the DP34 to an SW44 switch hooked up to the non-DISH Pro receivers. True or False.
10. Choose the correct DISH Pro frequency range:
 - a) 950 – 1450 MHz
 - b) 950 – 1650 MHz
 - c) 1650 – 2150 MHz
 - d) 950 – 2150 MHz

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11. RG-59 is not recommended for DISH Pro installations. True or False.
12. RG-6 copper clad steel center conductor cable is sufficient for a 200' (from LNBF to furthest receiver) installation. True or False.
13. RG-11 cable does not work in a DISH Pro installation. True or False.
14. Which items must be rated up to 2150 MHz in a DISH Pro installation:
 - a) RG-6 cable
 - b) Ground Blocks
 - c) Diplexers
 - d) Surge Protectors
 - e) All of the above
15. DISH Pro Twin LNBFs do not work with DISH Pro DP34 switches - you must use two DISH Pro Singles (or DISH Pro Duals), instead. True or False.
16. "Bandstacking" means we now use just one cable from the LNBF to the switch per orbital location, instead of two. True or False.
17. What frequency tone does DiSEqC use to send the DISH Pro messages from the receiver to the switch to the LNBFs and back:
 - a) 22 MHz tone
 - b) 22 KHz tone
 - c) 22 GHz tone
 - d) No tone is used
18. DiSEqC 2.0 provides DISH Pro installations with diagnostics using two-way communication. True or False.
19. Which is the operational voltage range for DISH Pro LNBFs and switches:
 - a) 13 volts to 11 volts
 - b) 18 volts to 13 volts
 - c) 18 volts to 16 volts
 - d) 19 volts to 10.5 volts
20. DISH Pro Check Switch screens can show you:
 - a) LNBF type connected
 - b) Switch type connected
 - c) Good connections, no RF
 - d) If Odd/Even transponders are received,
 - e) All of the above

DISH Pro Technology 20 Questions – Answers

1. Models 6000, 4900 and any other receiver released prior to DISH 301 are “legacy receivers”. They cannot work alone in a DISH Pro installation – you must use a DISH Pro Adapter. All DISH Pro receivers have either the DISH Pro or DISH Pro Plus logo.
2. FALSE. DISH Pro LNBFs cannot work with original switches.
3. E. NONE OF THE ABOVE. DISH Pro switches cannot work with original LNBFs.
4. FALSE. The DISH Pro DP34 switch CAN be used either indoors or outdoors. For outdoor installations, please note the correct positioning of the switch as indicated on the label.
5. FALSE. The DISH Pro DP34 switch does not need power insertion; power comes from a connected receiver.
6. TRUE. You can connect any feed to any of the three ports of the DISH Pro DP34 switch – order is not important.
7. FALSE. You can connect any receiver to any port of the DISH Pro DP34 switch – power can come from any port.
8. FALSE. You do not need splitters or load barrels when “trunking” together multiple DP34 switches for up to 12 tuner inputs.
9. FALSE. You cannot “mix and match” DISH Pro and legacy switches (or LNBFs). SW21, SW42, SW44, SW64, etc. cannot work with DISH Pro LNBFs or DISH Pro switches. You must use ALL DISH PRO or ALL LEGACY in an installation. The DISH Pro/DISH Pro Plus receivers, though, can work in both types of installations (their software can detect the type of installation they’re in).
10. D. 950-2150 MHz.
11. TRUE. You cannot use RG-59 cable in a DISH Pro installation.
12. TRUE. RG-6 copper-clad steel center conductor is perfectly acceptable; RG-6 solid copper center conductor has better performance characteristics.
13. FALSE. RG-11 is an excellent choice for large commercial applications.
14. E. All of the above.
15. FALSE. A DISH Pro Twin can be used to directly connect two single-tuner receivers or one dual-tuner receiver (like DISH 721); or each port can directly connect to a DISH Pro DP34 switch – one port defaults to 110°, the other to 119°.
16. TRUE. Odd transponders are in the 950 to 1450 MHz range; even transponders are in the 1650 to 2150 MHz range.
17. B. 22 KHz tone.
18. TRUE. DiSEqC 2.0 is what allows us to have diagnostic information, using a 22 KHz tone.
19. D. 19 volts to 10.5 volts.
20. E. All of the above, thanks to DiSEqC 2.0!