



DMR Texas.net

A Place to Find All Things DMR in Texas

[Home](#) [Club ▼](#) [Events ▼](#) [Repeaters ▼](#) [Nets ▼](#) [Code Plugs ▼](#) [Status](#) [Contact](#)

Simplex

Occasionally you want to use your radio without having to use a repeater. We have that covered. You can program your radio with the following information, and use your radio in Simplex mode, no problem.

Simplex Frequencies Use

Talk Group 99, Time Slot 1, Color Code 1 are widely used.

Simplex Channel	Frequency	Admit Criteria
-----------------	-----------	----------------

Please do not use the 2m (146.520MHz) or 70cm (446.000MHz) analog call channels for digital simplex, as they are not in the band plan for narrowband digital use.

Simplex Frequencies Use

Simplex 1 (UHF)	441.0000MHz	Always or Ch. Free
Simplex 2 (UHF)	446.5000MHz	Always or Ch. Free
Simplex 3 (UHF)	446.0750MHz	Always or Ch. Free
Simplex 4 (UHF)	433.4500MHz	Always or Ch. Free
Simplex 1 (VHF)	145.7900MHz	Always or Ch. Free
Simplex 2 (VHF)	145.5100MHz	Always or Ch. Free

Please do not use the 2m (146.520MHz) or 70cm (446.000MHz) analog call channels for digital simplex, as they are not in the band plan for narrowband digital use.

The admit criteria is your choice, but this is what it means. You can set your radio's admit criteria to always, and you can talk at anytime, regardless if someone else is using the frequency/Time Slot. Setting it this way, you are unrestricted when you can transmit, but you can experience "doubling" as you would in traditional analog FM.

The setting of Channel Free will restrict you from being able to transmit, until the channel is free. This will prevent doubling, but can also allow someone with a faster PTT finger to start transmitting before you, which then you will have to wait. The radio will "bonk" at you, telling you that the channel/TG is not free. There is a trade off and benefit for each of them.

Color code free with give you the same results as channel free during simplex operations.

Theme: [Scaffold](#) by Danny Cooper.