

Section 7 / Item 56

**(56) Repeater (Cross-band)**

Turning on the cross-band repeater function will allow the radio to work as a small local repeater. The radio will TX on one channel, RX on the other channel.

**Note:** Cross-band Analog-Analog: Must be UHF-VHF, or VHF-UHF cross bands.

Cross-band Analog-Digital: Must be UHF-VHF, or VHF-UHF cross bands.

Cross-band Digital-Digital: UHF-VHF, or VHF-UHF cross bands, different times lot.

Cross-band Digital-Digital: Same UHF or same VHF bands, different times lot.

Cross-band Same frequency Digital-Digital: TX and RX are at same frequencies, but different times lots on VFO A and VFO B. Radio must also be in Double Slot operation.

***\*\* Please Turn Off Digital Monitor when using the Cross-band repeat function\*\****

Analog (A) to Analog (A) Cross band Repeater Setup

- a.** To set the channels or frequencies you will want to use with cross band operation, the radio must be set to display both the Main Channel (VFO A) and the Sub-Channel (VFO B).
- b.** Set the analog channel with simplex or repeater frequency.
- c.** Turning the Repeater function ON in the Radio Settings menu.

Analog (A) to Digital (D) or Digital (D) to Analog (A) Cross band Repeater Setup

- a.** To set the channels or frequencies you will want to use with cross band operation, the radio must be set to display both the Main Channel (VFO A) and the Sub-Channel (VFO B).
- b.** Set the analog channel with simplex or repeater frequency, and set the digital channel with simplex frequency only.
- c.** Turning the Repeater function ON in the Radio Settings menu.

Digital (D) to Digital (D) Cross band Repeater Setup

- a.** To set the channels or frequencies you will want to use with (D) to (D) cross band operation, the radio must be set to display both the Main Channel (VFO A) and the Sub-Channel (VFO B).
- b.** Enter the Simplex channel or Simplex frequency for VFO A and the Simplex channel or frequency for (VFO B).
- c.** Set the correct Color Code and set the two (VFO) channels to DIFFERENT Time Slots (TS)
- d.** Set the radio to Double Slot operation.
- e.** Turning the Repeater function ON in the Radio Settings menu . CPS Channel Menu -> DMR Mode = Double Slot

***\*\*Allows the VFO A and V O B at same frequency but different time slot, the radio will work as a digital single frequency repeater.***