KENWOOD TM-D700 CROSS-BAND REPEATERS

Setting up & Operating
A Cross-Band Repeater

W0KAH

TM-D700 CBR

- Ensure TNC is OFF
- Set Band A to a VHF frequency
- Set Band B to a UHF frequency, set CTCSS, DCS or DTCS on and low power

TM-D700 CBR continued

- Go to Menu 1-7-6
- Rotate tuning knob till CROSS-BAND is displayed and press OK
- You are now in CBR

TM-D700 CBR continued

- To EXIT CBR
- Go to Menu 1-7-6 select OFF and press OK
- CBR is now off, ESC to go back to normal display
- This radio has PM available, save CBR settings in a PM for convenience
- You MUST ID yourself, no automatic ID

Legal stuff

- Congratulations you are a Repeater Control Operator!

- You must ID for the repeater (the D710 & V71 can do this for you) if your rig doesn't do it.

- You could voice ID; W0KAH via W0KAH cross-band repeater, but that only handles your HT and the VHF transmit, you'll need to switch freq to 146.67 & transmit low power when the repeater is not up to ID the UHF transmitter.

Legal Stuff continued

- USE CTCSS, DCS, DTCS etc. to make UHF private.

- Otherwise other users must ID for the repeater as well, both directions.

- You're responsible for the repeater and must shut it down if it causes interference (repeating intermod for example).

- Don't rebroadcast other services (except WX service) ever.

- Don't repeat other hams or other repeaters.

Other considerations

- When in CBR, the "other" repeater's carrier must drop in order to allow your mobile rig to switch directions, until it drops, you can only listen because your mobile rig is transmitting to you.

- Use the lowest power on UHF, and as low as will work on VHF

- If you can hear the repeater fine, use Locked TX A instead of CROSS BAND

- Duty cycle is 100% as long as you're using it!

The END de W0KAH

Thank YOU!