

ALINCO DR-635 CROSS-BAND REPEATERS

Setting up & Operating
A Cross-Band Repeater

W0KAH

Alinco DR-635 CBR

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



- ▣ Turn radio off

Alinco DR-635 continued

- ▣ Hold down Band button and turn radio on
- ▣ It's now in CBR



- ▣ To Exit CBR, turn radio off, hold down Band button and turn radio on

Alinco DR-635 continued

Note that the DR-635 will flip-flop frequencies such that the Transmit frequency will always show on the Left/Main side of the display

You **MUST** ID yourself, no automatic ID

Alinco DR-635 continued



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!