

## Ramer Repeater Linking User's Manual

Jim Bell Wireless Association (JBWA) embarked on an effort to link two of its repeaters together along with one repeater that belongs to the Montgomery Area Radio Club (MARC). The JBWA repeaters at Fort Deposit [146.67 (-), 103.5] and Georgiana [444.90 (+), 103.5] are linked continuously and the MARC repeater, located at Ramer [147.18 (+), 123], can be linked, when desired.

The Georgiana UHF repeater serves as the linking hub. Each of the VHF repeaters is connected to a linking radio that creates a cross band repeat of local traffic from the VHF repeater onto the UHF repeater. In turn, traffic on the UHF repeater is heard through the linking radio and repeated on the VHF repeater(s). This introduces a delay as you will hear each repeater carrier drop. This means you MUST pause, at least one second, between keying the mike and beginning your conversation to ensure that all the repeaters are activated. It works well but you must use patience.

The Ramer repeater can be linked and un-linked, through the repeater, by entering the correct DTMF tones. The tones are detected on the accessory output of the VHF repeater and used to enable/disable connection hardware between the repeater and the linking radio. In each case, you should use a long press of the first character "3" in order to allow the output of the repeater to be activated, detected and acted upon by the linking hardware.

- To LINK, enter the DTMF tones 31\*32\*
- To UNLINK, enter the DTMF tones 31#32#