

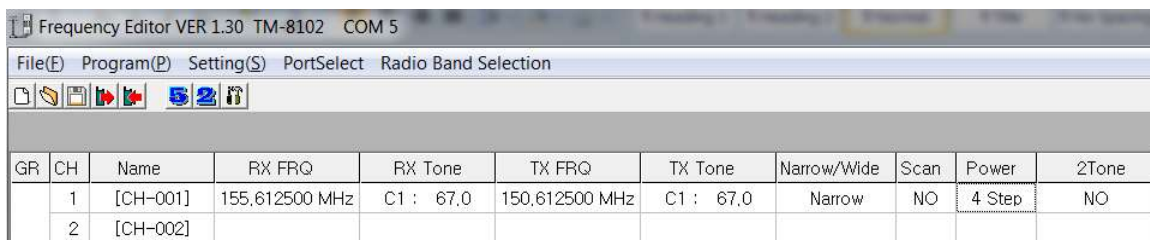
TM-8000 Repeater Programming Supplement

Subject: Repeater configuration for TM-8000. Can be configured as VHF, UHF or a Cross-Band repeater

Items Needed: XRC-31 Repeater Cable, 10A Power Supply (MS-0730 or equivalent), Duplexer (optional)

Procedure:

1. Input the frequency into RX FRQ and TX FRQ needed for repeater operation. Select the desired CTCSS or DCS code. Select the proper power level with “4 Step” being the highest power level.

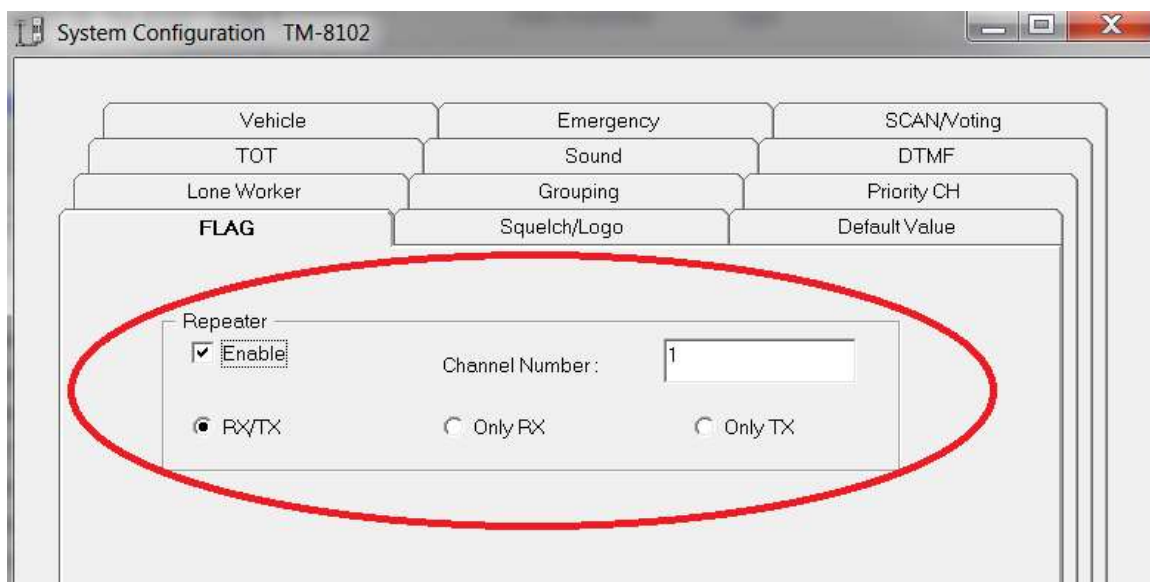


Frequency Editor VER 1.30 TM-8102 COM 5

File(E) Program(P) Setting(S) PortSelect Radio Band Selection

GR	CH	Name	RX FRQ	RX Tone	TX FRQ	TX Tone	Narrow/Wide	Scan	Power	2Tone
	1	[CH-001]	155.612500 MHz	C1 : 67.0	150.612500 MHz	C1 : 67.0	Narrow	NO	4 Step	NO
	2	[CH-002]								

2. In System Configuration select Enable. Select the Channel Number that corresponds to the frequencies used for repeater operation. If it is an in-band repeater, select Only RX or Only TX for each radio. This will eliminate any interference problems between the two radios. If making a cross-band repeater, select RX/TX.



System Configuration TM-8102

Vehicle Emergency SCAN/Voting
TOT Sound DTMF
Lone Worker Grouping Priority CH
FLAG Squelch/Logo Default Value

Repeater

☒ Enable Channel Number: 1

☒ RX/TX ☐ Only RX ☐ Only TX

3. If a transmit time-out timer is required, select TOT in the System Configuration menu. Select Enable and input the desired times.
4. If you wish to mute the audio on the receive radio, select the Sound tab in the System Configuration menu and set the Speaker Port to Back.
5. Program both radios and connect each end of the XRC-31 to a radio.
6. Set the volume level on the receiving radio(s) from 11 ~ 13 and test the repeated audio for proper sound quality.