

## **On Power Up**

- Set the function switch to [Z] for zeroize, and wait for the radio to display “GOOD”.
- Switch the function switch to Load [LD].
- Load COMSEC and then set desired frequency
- Load Julian Date and Zulu time as found in the Application.

## **Single Channel Operation (setting freq)**

- Turn radio to [LD], load
- Set radio to SC (single channel), PT(plain text) with [STO]
- Press frequency and the screen will show 00000 or old frequency
- Press [CLR] for clear and enter frequency.
- Press [STO], store
- Screen will maybe flash and then turn radio to [SQ][ON]
- Perform radio check if necessary

## **Frequency Hop Operation (setting freq)**

- You set the radio to FH frequency hop in the menu with the radio at [LD], load.
- You then Fill the radio with an SKL for frequency hop operation
- Then set frequency to whatever is needed for the mission.

## **Frequent Issues**

- Mic is in whisper mode
- Time is not in sync (needs to be +/- 4 sec)
- Julian Day is not correct
- Power is not correct for application

## **Basic Front Panel Key Functions**

- ❖ **[CMSC]** (#1) used to scroll COMSEC keys.
- ❖ **[RCU]** (#2) used to convert to a remote system.
- ❖ **[SYNC]** (#3) used during FH.
- ❖ **[FREQ]** used to call channel database to display. "FILL" means channel is empty.
- ❖ **[ERF/OFST]** "ERF" stands for ECCM Remote Fill. Upon opening a frequency hopping net, the Net Control Station must electronically transmit some data to the net radios. **[OFST]** is a SC anti-jam procedure.
- ❖ **[SA] & [GPS]** keys not used at this time.
- ❖ **[DATA]** key (#4) allows you to set data rate
- ❖ **[CHG]** (change) key in conjunction with **[DATA]**, **[OFFSET]** or **[CMSC]** keys to scroll through data/options.
- ❖ **[CID]** key is not used at this time.
- ❖ **[LOUT]** key rarely used.
- ❖ **[TIME]** key used to enter Julian date and sync time.
- ❖ **[BATT/CALL]** key used to set and check battery life in a dismount radio. Also used for comms between RT and RCU.
- ❖ **[STO]** key used to place data into memory.
- ❖ **[LOAD]** key use to load data into holding memory and retrieve data from permanent memory. • **[CLR/MENU]** key is used with other keys to delete entries or stored data.
- ❖ Set Volume – (5)
- ❖ Set Channel - (MAN, CUE or 1-6)
- ❖ Set Power - (low, med, hi or PA)
- ❖ Set Mode - Single Channel(SC) and Frequency Hopping (FH)
- ❖ Set COMSEC – Plain Text (PT) and Cipher Text (CT)
- ❖ Set **[FCTN]** switch to LD • Load SC frequencies
- ❖ Press **[FREQ]** key
- ❖ Press **[CLR]** key
- ❖ Enter 3 digits for FH and 5 digits for SC frequencies
- ❖ Press **[STO]**