MAGNUM S45HP - Frequency Modification

1. Make sure radio is turned off and disconnected from power source!!
2. Take off speaker-side cabinet.
3. Find the CPU Reset Board located near the front panel of the radio (see diagram below). The CPU Reset Board is mounted in the radio component side down - you will need to unmount the board to access the board controls.
4. On the CPU Reset Board are 4 jumper positions (CON1 - CON4). Each jumper position provides a different frequency range and configuration. From the list below, select the desired frequency range and configuration, and move the jumper shunt to the corresponding CON.
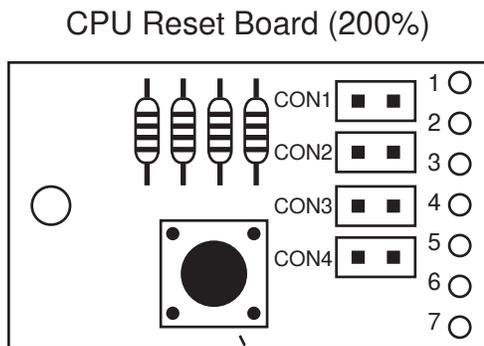
    CON1 : 10 Meter Only (28.000 - 29.699 MHz)
          *Default mode
          *All functions operate normally

    CON2 : 10 Meter & Expanded Mode
          *At turn on, the radio defaults to 10 Meter mode.
          *For Expanded mode, press FUNC and then press CALL for 3 seconds.
          *To return to 10 Meter mode, repeat above steps.
          *For information on Expanded mode operation, see CON3
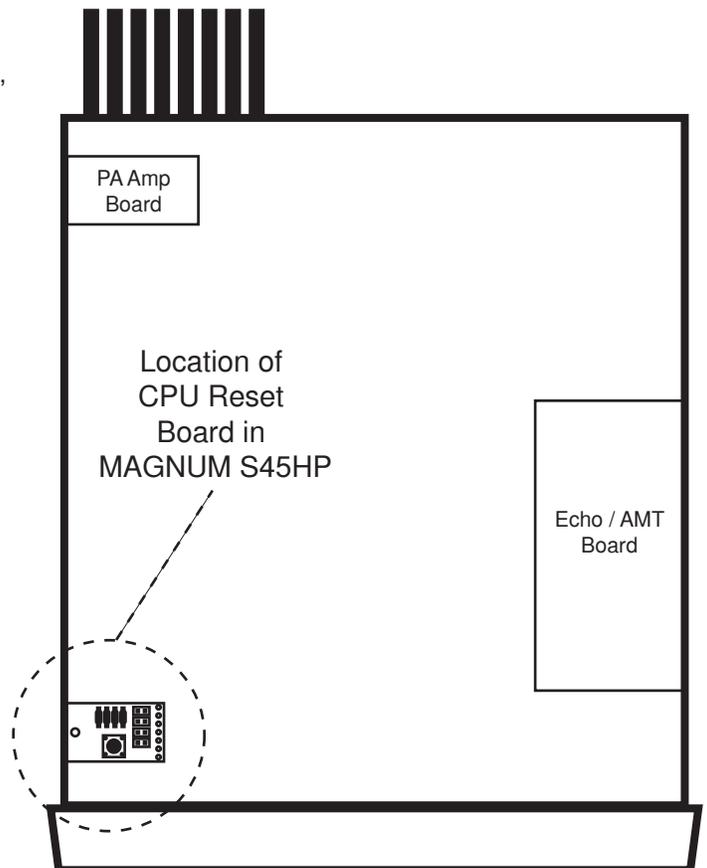
    CON3 : Expanded Mode Only (25.165 - 29.699 MHz)
          *In Expanded mode, the frequency range is divided into 10 bands of 40 channels each
          *Bands are shown on LCD display by letters (A through J) - Band E is regular 40 channel CB. To switch bands, press the CALL button (do not hold down for 3 seconds).
          *In Expanded mode, either the frequency or channel can be displayed on the LCD. To switch between freqency display and channel display, press the FUNC button and then press the CALL button (do not hold down for 3 seconds).
          *On the channel display, the small number (0 - 9) to the right of the Band letter is the 1kHz frequency display. Example: If the frequency is 27.405, then the channel display will indicate 40 E5. "40" being the channel, "E" being the Band, and "5" being the 1kHz position of 27.405.
          *In Expanded mode, the RPT and SHIFT functions do not operate

    CON4 : 40 Channel CB Only (26.965 - 27.405 MHz)
          *Only operates on the regular 40 CB channels

5. After selecting the desired frequency range and configuration, press the CPU Reset Switch (SW1) for 10 seconds.
6. Reassemble the radio, turn on and test.

CPU Reset Board (200%)

CPU Reset Switch (SW1)

PA Amp Board

Location of CPU Reset Board in MAGNUM S45HP

Echo / AMT Board

Front Panel