Subject: FT727 CAT programming question

Near as I can tell the CAT interface on the Yaesu FT-727 handheld duplicates keypushes. I can't find any way to push the keys to get it to go to a particular band. The u/d key toggles between bands, but that isn't much help when you're using it remotely and can't see the display.

Any ideas?
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Yes I have the official 200,000th generation photocopy faxed from Yaesu support and this is what it reports:

1 - Wiring: The tip of the phone jack is the serial output from 0x0   to 0x0f to represent signal strenth. All data to and from this little beast is TTL levels 4800 baud two inverted stop bits and one inverted data bit. My, I would like to meet the engineer that came up with that one :-)

      The ring of the phone jack is the serial data input.
      The body of the phone jack is +12 volts. You are supposed to
           get a ground from the body of the earphone jack. DO NOT SHORT
           the BODY of the CAT port to the EAR or MIC jacks. If you
           accidentally do this you let the smoke out of the IC's and
           everyone knows that IC's stop working if you let the smoke out!

      2 - Software:

      Control consists of duplicating the keystrokes that can me made   on the xceiver keypad by sending the corresponding key codes to   the CAT jack. The MSD (Most Significant four bits) select the key   column and the LSD (not to be confused with $C_{14}H_{15}N_2CON(C_2H_5)_2$ lysergic acid diethelamide) forms the key row. The function key   is simulated by setting bit 7. Serial output from the "S" meter   is sent about every 100 ms

                 FUNCTION KEY   0x0f   0x0e   0x0d   0x0c   0x0b
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                 0x0e | +RPT   SIMP   -RPT   PMS   PSET
                 0x0d | SAVT   TDEC   TSET   TXM   S/CH
                 0x0b | SAVE   TENC   SCAN   MC   SHIFT
                 0x07 | LOCK   BATT   BEEP   DUP   STEP

                 NORMAL   0x07   0x06   0x05   0x04   0x03

                 0x0e | 1   2   3   v   ^
                 0x0d | 4   5   6   M   MR
                 0x0b | 7   8   9   C   =
                 0x07 | *   0   #   VU   D

                 So to press in a direct frequency you would first press "D"
                 then enter the frequency.

                           D = 0x037
                           1 = 0x07e
                           4 = 0x07d

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     6 = 0x05d
     5 = 0x06d
     2 = 0x06e
     D = 0x037
  SIMP = 0x0ee
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I do admit it seems a little awkward at first but it does work. To start always go to a known spot. If you are unsure of the current setting of the V/U status set it to a programmed frequency and then start. If you lose sync of the V/U switch I guess your beat!