FTDX9000 Software Versions

- **<u>Ver. 506 & 11.24 (EDSP), 418 (DMU)</u> The original PEP software, 1-Nov-2008**

    AGC   attack time fine-tuned

    DNR   superior SSB mode noise reduction

    DNF   greater reduction of beat tones

    Contour - new autopeaking feature added

    Digital Filter   increased Sharp/Soft differentiation

    SSB speech processor audio augmented

    Faster CAT COMMAND communication

    CW side tone clarity

    Activate RTTY monitor while transmitting

    Reduced Ringing during CW super narrow receive band width settings

- **<u>Ver. 0507</u>   28-Nov-2008**

    Corrects a CAT problem

    Corrects a VFO B Toggle problem (CONTEST model only)

- **<u>Ver. 0508</u>   4-Dec-2008**

    Added CAT commands: FT0, FT1: simplex/split (toggle)

    FT2: SIMPLEX

    FT3: SPLIT

    VS0： VFO-A [A] (active)

    VS1： VFO-B [B] (active)

    Mu Tune Bar display for Menu 16 uTUNE option is improved

Ver. 0509 13-Dec-2008

Add MENU #022 LEVEL Indicator for
PITCH・SPEED・CONTOUR・NOTCH・DNR CW DELAY・VOX DELAY (Press
the [ENT] key to set the command to "ON" or "OFF")

Add MENU #036 CAT data Indicator (ENABLE/DISABLE)

Add the CAT Command (CO) for APF, ON

- ## Ver. 11.29 (EDSP) 3-Jan-2009

DELAY characteristic of AGC close to analog AGC

- ## Ver. 11.39 (EDSP) 12-Jan-2009

Improved RX-TX switching noise

NOTE from Yaesu with this update:

If you have EDSP V11.29 in your FTdx9000, do not continue to use it.

Please install the new EDSP **V11.39**. It has improved the RX-TX switching noise,
and an important engineering change, no operational changes are included.

On inquiry about the change, "An engineering issue is always important. No
additional information is released."

- ## Ver. 0510 1-Feb-2009

Added values are now indicated on the VFD display for MIC, PROC and RF
PWR. (Press the [ENT] key to set the command to "Enable" or "Disable"
MENU #022 LEVEL INDICATOR).

Changed the position and the set point of the PROC knob. The 10 o'clock
setting provides 5 to 10 db compression. (*It is recommended that you utilize
the monitor function and adjust the [**PROC**] knob suitable audio, between
9:00 to 12:00 o'clock position).

- ## **Ver. 11.45 (EDSP) 1-Feb-2009**

  The characteristic of the CONT LEVEL is changed. (Positive peaking capability was restored with this update, but we lost the ability to toggle modes with the "press and hold"....Al L.)

  Add MENU #87 (MAIN-CW-APF/CONT) and #90 (SUB-CW-APF/CONT) to select CONT or APF.

  The characteristic of the MIC and PROC LEVEL is changed.

  Detection frequency precision of CW-DET.

- ## **Ver. 0511 15-Feb-2009**

  Add MENU #87 and #90 (Available Values: APF/CONTOUR/APF&CONTOUR).

  Press the [CONT] switch for 2 seconds to activate the APF (Audio Peak Filter) which provides a very narrow audio filter in CW mode.

- ## **Ver. 11.50 (EDSP) 15-Feb-2009**

  Corrects a low audio problem found in Ver. 11.45.

  Corrects the CW-DET indication problem found in Ver. 11.45.

- ## **Ver. 0512 31-Mar-2009**

  When AFP is active the control LED can be selected to blink or steady. The timing of the AFP blinking indicator can be selected MENU # 023 (STEADY ON or BLINKING 1 ~ 60 sec).   (Al's note....if you set the value to 5 it will blink every 5 seconds)

  The CW-DET indication is improved.

  Corrects the CAT MG command.

  Falsing of LEVEL INDICATORS is improved. (Al's note...corrects display of erratic speed display as reported by Bob KW4CQ)

  Frequency or Level display is shown instantly when the VFO knob or level adjustment knob is rotated (Level items turned on listed in MENU 22).

Ver. 0513   2-Apr-2009

Correct the PC keying.

Change the adjustment characteristic of the TX power control. (After installing V0513, you should verify your TX power level settings)

The level indication requires a quicker knob rotation to activate, before making fine adjustments. A slow knob rotation may not activate the display

• Ver. 0514   9-May-2009

Improve response time of the values indicated on the VFD display. (CW Speed display, DNR, etc now displays more rapidly....Al's note)

Correct the PC-keying.

Correct the INDICATOR VOX-DELAY.

Correct the AM reception GAIN.

Correct the MEMORY KEYER output.

• Ver. 11.53 (EDSP) 9-May-2009

The DNR algorithm is not reset between TX/RX, to eliminate the increased receive noise after a transmission.

Increase the response of the compression level meter in conjunction with the PROC knob. (Max up to 12dB).

• Ver. 0515   23-Jul-2009

The REC (Record Function) setting will be recalled when the power is turned on if REC was turned on before power was turned off

The CAT MW command is corrected

In the QMB-MT mode, when the VFO frequency is moved, the memory channel indication is cleared to 0.000.

The DSP firmware write mode may be accessed by pressing [CONT] + [DNR] while pressing Power On.

Holding of the [down]F6 or [up]F7 keys will permit scrolling through the DMU [MCH-LIST], when the DMU-9000 is installed.

The FH-2 [down][up] keys are made the same function as the MIC-UP/DN keys.

In 30-500 kHz BAND operation, the IPO is always ON. (LED does not light)

When there is no SUB receiver installed, the SUB-DNR, and SUB-CONT level indicators will not be displayed.

- ## Ver. DMU 420   18-Aug-2009

Ver. 4.20 or 5.10 CPU implements improvements also includes all previous updates):

- Some CITY and COUNTRY list names corrected.
- Add and corrected some LOG BOOK Entities list.

Two types of computers are used in the DMU-9000. You must use the correct software for your computer.

- If you have version 03xx or 04xx you must down load V0.08/V4.20. If you have V0420 you have the latest software and do not need to update.

- If you have 05xx you must download V0.09/5.10. If you have V0510 you have the latest software and do not need to update.

- ## Ver. 0518   30-Nov-2009 (Al's note....there is no V516 and V517)

The CW MEMORY KEYER MESSAGE TEXT save is corrected.

The FH-2 [<-][->] keys are made to increment the frequency at 100kHz up or down.

CW carrier is corrected to change LSB - USB when the indication is changed on VFO B.

Correct the CW Auto Mode.

DMU Band Scope Display Signal Peak Frequency is centered.

- ## Ver. 11.54 (EDSP) 5-APR-2010

The current release is EDSP V11.54 for current production units for the FTdx9000, FT2000 and FT950. Between 11.53 and 11.54 there was a slight correction of the FM transmit frequency offset. We have released this on the website however there is really no necessity to install this version as all other performance is not affected.

- ## **<u>Ver. 0519</u>   24-Apr-2010**

    KEYER: The extraneous "dot" memory is eliminated during rapid keying when the dash output starts.

    CAT: Correct the 1.5 kHz shift when CAT "FA" command is used to change frequency on the 5MHz band.

    SCOPE: The right edge signal position on the display is corrected.
    SCOPE: The left edge signal is corrected when the frequency is changed on the display.
    SCOPE: The 1.5 kHz SSB shift in DUAL MODE is corrected.

- ## **<u>Ver. 0521</u>   26-Aug-2010**

    In Split different mode operation between VFO-A and VFO-B, the DMU display is corrected to show operation.

    Stabilize initial power on display