

FTDX9000 Software Versions

- **Ver. 506 & 11.24 (EDSP), 418 (DMU) 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

- **Ver. 0507 28-Nov-2008**

Corrects a CAT problem

Corrects a VFO B Toggle problem (CONTEST model only)

- **Ver. 0508 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"....AI 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). (AI'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. (AI'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 KEYSER 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.

- **Ver. 0519 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.

- **Ver. 0521 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

- **Ver. 0524 29-Sept-2011**

Long press the [RX-B] button, to access TRACKING MENU; long press the [RX-B], again to toggle back to normal.

The beacon setting MENU time is changed. The new setting is up to 690 seconds

Corrected the DMU (SCP) FIX mode, upper band limit out of range

- **Ver. 0525 3-Feb-2012**

The USA 5MHz (60m) channel frequency change US3 (5.368MHz to 5.3585MHz).

Permit CW transmission on the USA 5MHz (60m) channels US6 - US0.

Changed the MIC-GAIN level indication of AM/FM to the MENU setting value

Disabled the PROC function in AM/FM.

NOTES: After installing main software Ver. 0525;

For US1 - US5 channels the USB mode is fixed. For channels US6 - US0 the CW-USB mode is fixed.

PKT-PTT transmissions will disconnect the microphone.

The TNC (PSK sub carrier) setting must be 1.5 KHz.

- **Ver. DMU 420 16-Oct-2013**

Ver. 4.22 or 5.12 CPU implements improvements for the application software only.

This update software is only needed if you want to connect the FT1D, FTM-400D, or VX-8G to the Data Management Unit for the GPS capability.

Connecting the data management unit DMU-9000 to the DATA terminal of FT1D, FTM-400D, or VX-8G, will permit setting and automatic update of the latitude and longitude, and also maintains the correct time by using the GPS data.

- **Ver. 0526 22-Oct-2012**

The KEYER BUG-key [REV] setting, when the DASH side was pressed, produced tow dots, is corrected.

- **Ver. 0528 27-Mar-2014**

Corrected the contest number automatic increment when there are two or more "#" (automatic increment contest number assign) within a transmission sentence, the increment function automatically is incremented one contest number for one transmission.

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