```
*******************************************************
```
RELEASE NOTES: v5.03

December 31, 2013
```
*******************************************************
```

In General …

The sequence of internal releases since introducing Keyer Mode in V5.0 have mostly been correcting subtle errors and making operation more reliable. While this is not a critical/mandatory release, we do recommend that you perform the software update to v5.03d when convenient, as it will enhance your experience when using your NUE-PSK Digital Modem.

Version 5.03d

Added External Monitor (MON) feature to send the modem's Tx and Rx data characters to the modem's type 'B' USB serial port (square jack on the side of the modem case), in addition displaying them on the modem's LCD. This feature, toggled on/off by the ctrl-E keystroke, shows "MON" at the right side of the modem LCD when active, and allows modem data to be sent to a terminal emulation program running on a PC, and thus may allow the operator to more easily view the incoming and outgoing modem data. Notes: (1) The PC's serial port must be set to 115 Kbps N81, no flow control. This may be set in the terminal emulator application running on the PC; and (2) A USB flash drive containing a new "ftrfb.ftd" file must be inserted to the modem upon initial power-up in order that the modem's USB controller chip is updated to the correct version.

Version 5.02a

Fixed bug that would keep 8.3 file formats from being properly terminated in the EEPROM. ***

Adjusted voltage conversion constant to improve battery voltage measurement accuracy.

Version 5.01c *(internal release only)*

Made change to allow full 8.3 file names. ***

Added file name format validation to Ctrl-N function.

Fixed bug causing a series of keyboard spaces to toggle out of Tx mode.***

Fixed bug causing some control keys (e.g., Caps Lock) to add garbage chars in Insert Mode.***

Version 5.01b *(internal release only)*

Add limit checks to all EEPROM read operations to avoid address errors when strings are not terminated.

Made sure usbblock is cleared when Ctrl-U is pressed and there is no thumb drive plugged in.***

Fixed problem keeping CW Direct mode to be properly exported in CONFIG.TXT.***

Added logic to use USB command responses and trap and display USB error messages.

Added retries to closing log files.

Version 5.01a *(internal release only)*

Fixed bug causing PTT to drop out in BPSK mode. ***

Blocked changing m_SymbolRate when CW speed is changed in non-CW modes. ***

Version 5.01

Added resets to keyboard state flags when 0xAA (BAT complete) received from keyboard.***

Changed keycode scan table to process extended key pad characters Enter and '/' same as non-extended.

Stopped inter-word SPACES in DLE sequence from moving text cursor.***

Added 1/4 second Tx/Rx side tone lockout when using built-in keyer.

Eliminated screwed up text display following an Acquire or frequency change.***

Terminate a macro and clear the Tx buffer when End is pressed.

Play macro 1 - 7 when keyer inputs prosigns m1 - m7 in Rx mode (no DLEs required).

Forced LastScanCode to 0x00 with each keyer input to avoid processing keyer input as a macro. ***

Enable TUNE mode in Rx with 'mm' and disable it with any keyer input.

Changed CW Direct mode to key PTT directly from the keyer, no waiting for word boundaries.

The ESC key controls keyer side tone on/off in CW Direct Tx mode.

Block CW keying from turning off PTT in TUNE mode. ***