NW Digital Radio

ThumbDV™
AMBE+2 Vocoder with USB Interface

Features:
• DVSI AMBE3000 Chip
• USB 2.0 Low Power (<100mA)
   • FTDI FT230XS
   • Windows, Linux, OS X
• UART Packet Interface
   • 460.8 kbaud

D-STAR Applications:
• ircddbgateway
• Analog Bridge (DummyRepeater)
• dvtool file converter
   • Bi-directional analog to AMBE
• WinDV
• UDRX Support for D-STAR DV

Check the website for availability

AMBE HW Vocoder For:
• DMR*
• dPMR*
• Yaesu Fusion
• P25 Phase 2

No SW Support for these protocols at this time

The ThumbDV™ adds D-STAR DV capability to your computer or laptop. Allowing you to get on the D-STAR network without a radio.

The FTDI USB to serial converter has pre-installed driver support for Windows and Linux. Mac OS X is available from FTDI.
The ThumbDV™ is sold as a tested unit with applications software offered by others.

The ThumbDV™ provides a Packet UART interface at 460.8 kbaud via the FTDI 230XS.

Audio Data is sent as 16 bits pcm at 8kHz sampling rate. The AMBE Vocoder returns a 3600 bps compressed stream with FEC (Forward Error Correction) which is muxed with 1200 bps of ancillary digital data by the D-STAR protocol to produce a 4800 bps D-STAR DV stream. LEDs show Transmit and Receive.