



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

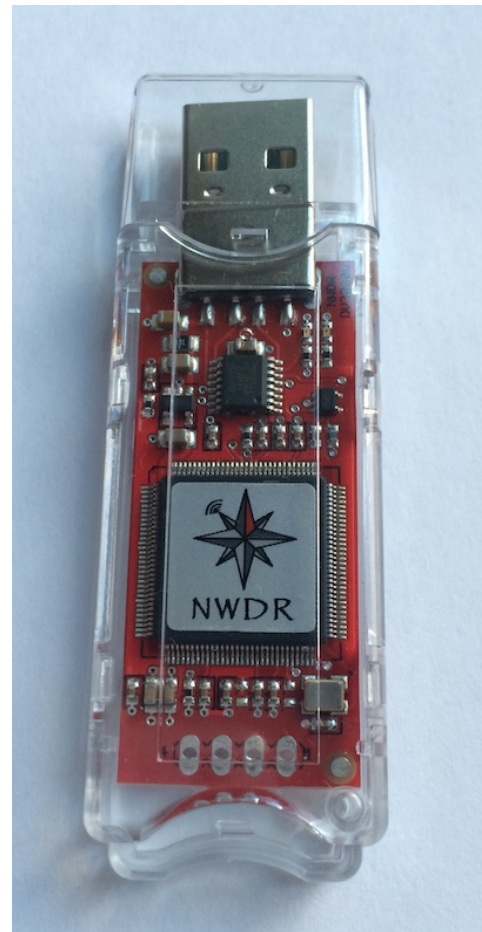
The ThumbDV™ adds D-STAR DV capability to your computer or laptop. Allowing you to get on the D-STAR network without a radio.

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.



This device complies with Part 15b of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.