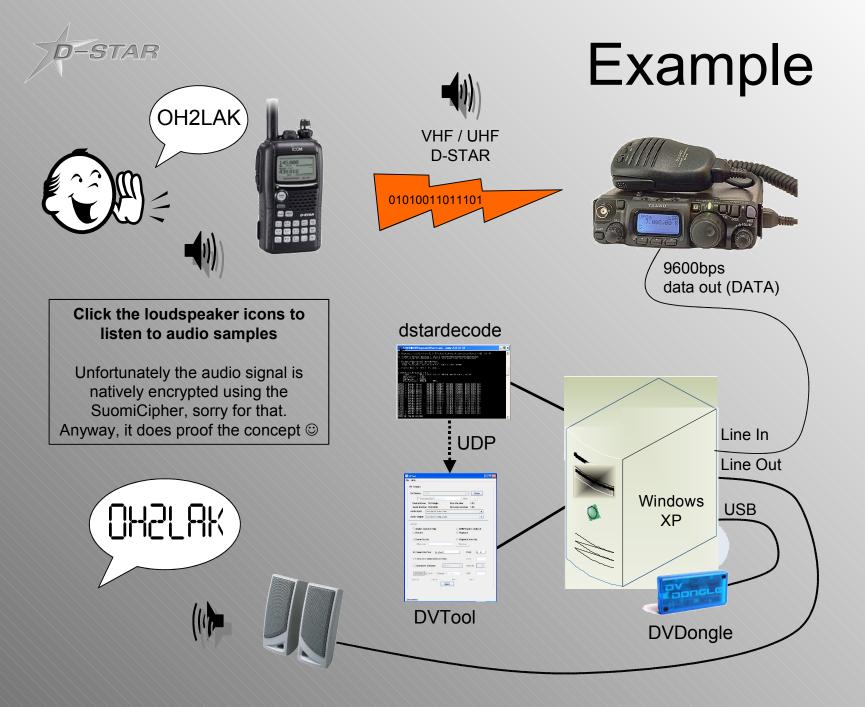


Software decoding

It is possible to decode D-STAR GMSK-datasignal using a computer running dstardecoder-software. Additionally, using DVDongle the audio of the D-STAR signal can be uncompressed and played out.





Disconnect

DVDongle + DVTool

http://www.dvdongle.com/

lelp				
V Dongle				
OV Device:	OM6		Clo	se
L	ote Host: llocalhost	Po		
11-24		ot Version:	1.03	
Serial Numb	er: DV030494 Fir	mware Versi	on: 1.10	
Audio Input:	SoundMAX Digital Audio			-
Audio Output:	SoundMAX Digital Audio			-
🔾 Audio Loo	opback Only	O AMBE/	Audio Loopb	ack
 Audio Loo Record Record to Filename 	File	🔾 Playba	ck ck from File	
 Record Record to 	File	 Playba Playba 	ck ck from File	
 Record Record to Filename Connect to 	File	 Playba Playba 	ck ck from File	
 Record Record to Filename Connect to 	File a: o Peer localhost Connection from Peer	 Playba Playba 	ck from File Port: [
 Record Record to Filename Connect to Listen for 	File a: o Peer localhost Connection from Peer	O Playba	ck ck from File e Port: [Port: [
 Record Record to Filename Connect to Listen for Connect to 	File a: o Peer localhost Connection from Peer to Gateway PEF001 I lock Callsign: OH2L	O Playba	ck from File Port: Port: Module:	



DVDongle is a clever small USB device which includes the AMBE2020 voice codec chip to encode and decode AMBE-compressed speech. Using DVDongle the audio of a D-STAR (voice)data signal can be uncompressed and played out of a soundcard. The DVTool application delivered with DVDongle can also connect to the D-STAR Gateways and reflectors connected to Internet and deliver D-STAR digital voice from them, and also to them. So using DVDongle, it is possible to work with real D-STAR radio users in real time through the internet.

DVTool can interact with dstardecoder-software to play out the D-STAR voice stream received by the dstardecoder

Dstardecoder

Dstardecoder is a software utilizing the soundcard of a computer, which decodes the frame structure of a D-STAR GMSK data signal. Input for the software can be taken from the 9600bps data connection of a ham radio rig or directly from the discriminator.

http://groups.yahoo.com/group/dstarsoftware/files/D-Star%20decoder%20software/

C:\WINDOWS\syst	em32\cmd.exe	dstar /ld2 /lf	<i>I</i> U	- 🗆 ×		
C:\Documents and Settings\Erik Finskas\Desktop\dstardecoder>dstar /Id2 /If /U ==== r00t's D-Star decoder - v0.3.1 ===================================						
(use ∕? or -h for com - Using differential - Started UDP Server - Input soundcard ini	demodulator					
Press ENTER or Ctrl						
[TRANSMISSION HEADER I Flags : 00 = Destination : DIRE Departure : DIRE Companion : CQCQ Stn.Calisign: 0H2L	NVJ CT CT CT CΩ AK ∕ ERIK		1 🥼 88 - 88 -			
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STAR

Program has connectivity to DVDongle directly or via DVTool which provides the D-STAR digital voice audio decoding (UDP server for DVTool and direct USB connectivity for DVDongle)