

DM7025-VLC AUTOPIID LOADER version 1.0

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1. INTRODUCTION.

The “DM7025-VLC AUTOPIID LOADER” program is made to make streaming easy from Dreambox DM7025 to a computer using VLC (Video Lan Client from <http://www.videolan.org>). Doing this you could watch TV or listen to a radio station received by the Dreambox on any PC in your local network.

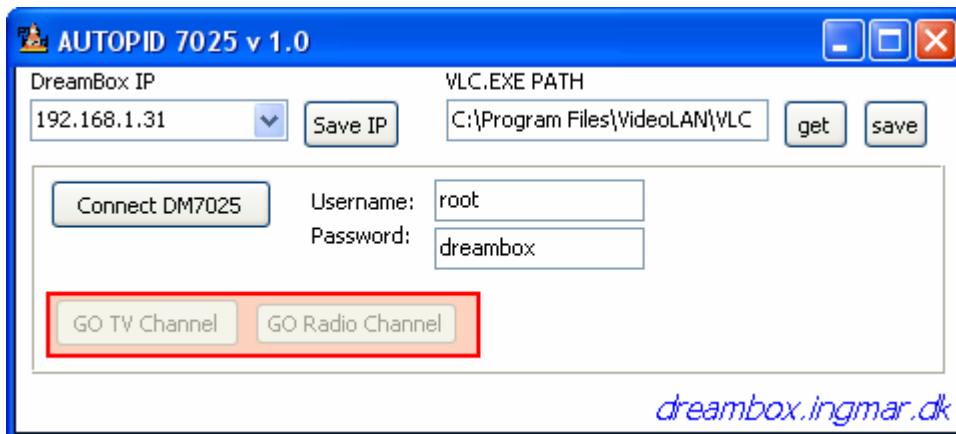
The DM7025-VLC AUTOPIID LOADERS automatic reading of pid’s needs the 2SUB/2LANG plugin to be installed on your DM7025. The plugin HAS to be a version later than 2006-07-20 (V.071) <http://www.imagix.se/forums/news.php>

Using the program without prior installation of VLC and 2SUB/2LANG therefore has no meaning. The program mostly is only intended to use with Dreambox DM7025, since other Dreambox versions based on Enigma have included a web interface (Webif), you can use instead of what this DM7025-VLC AUTOPIID LOADER is helping to do.....

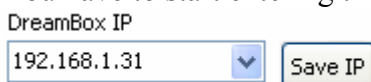
2. BASICS

The basic use is to open the VLC program with the “PIDs” as parameters used by the actual service shown on the Dreambox.

This is how the GUI of DM7025-VLC AUTOPIID LOADER looks like:

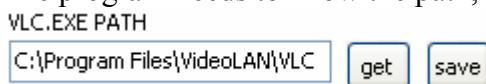


You have to start entering the ip of your Dreambox:



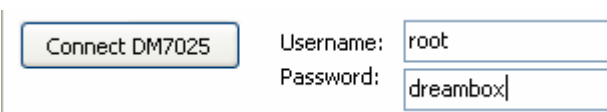
The program can hold up to 5 different IP addresses. After entering your IP click on Save IP – then the ip should be available next time you open the program.

The program needs to know the path, where VLC is installed:

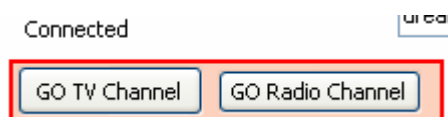


When you click on the get button, the program will try to receive the path from the windows registry (if not - then make the entry yourself). Click on save to make the information available next time you open the program.

Now you have to connect to the Dreambox, just ensure that you have the right username and password, then click on the connect button:



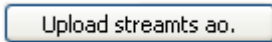
When connected, the two “GO” buttons will be enabled. You have to select whether the Dreambox is set to at TV or a radio channel. Just click the corresponding button...



... and you should be off.

3. UPLOAD NEEDED FILES TO DREAMBOX

In order to stream the Dreambox needs some files, including a file named “streamts”. This file has to be compiled within the framework of Enigma2 and is usually not shipped (so far) with current images. Then these files are now shipped with DM7025-VLC AUTOPIID LOADER in order to make it even easier to get started with streaming. When connected to the Dreambox you can see this button:



When you click on it, the program will upload the following files from the directory where DM7025-VLC AUTOPIID LOADER is running:

- streamts
- libtuxbox-mpegtools.so.0
- udpstreamts
- streamsec
- streampes
- udpstreampes

Usually you’ll only need the first 2 files – the rest are for more advanced use.

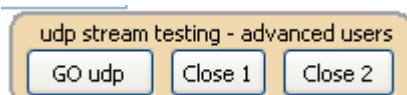
NOTICE: if you already have one ore more of the above files installed, you might have to kill their processes (reboot Dreambox) in order to let DM7025-VLC AUTOPIID LOADER replace those files – otherwise you’ll get an error from the program.

The files shipped with DM7025-VLC AUTOPIID LOADER are compiled by burgerkind at IHAD forum and is suitable also for encrypted services – however the picture on your tele will freeze while streaming. Other files are available without this problem – but then these files can’t stream encrypted channels.

Feel free to add your own files, just put those in the DM7025-VLC AUTOPIID LOADER directory, and these files will be uploaded

4. UDP STREAMING (Advanced users)

When using udpstreamts the streaming is performed by setting VLC client to listen to udp port 65100 and then starting the udpstreamts process using parameters from the loaded pids AND the ip address of the computer, where DM7025-VLC AUTOPIID LOADER is running. The Process is started using a telnet command, but then the program freezes while both the streaming and telnet connection is started. I made a little workaround using an extra program “udpstream_Activator.exe” to fire the process on the Dreambox. Then I can use DM7025-VLC AUTOPIID LOADER to kill the udpstreamts process when needed:



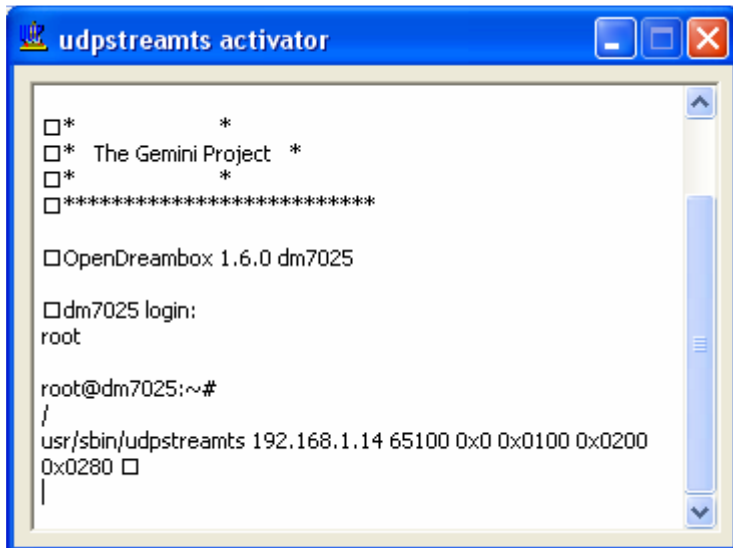
Click on “GO udp”, then the show will start.

When you wish to end, first click Close 1 (Establishes a new telnet connection to the Dreambox) and after few seconds, click on “Close 2” (kills the udpstreamts process and the first telnet connection). Then you should be able to close all 3 programs (VLC mediaplayer,

udpstream_Activator.exe, and DM7025-VLC AUTOPIID LOADER without using Ctrl+Alt+Delete).

I have found it important to kill the udpstreamts process in order to ensure further streaming with other processes like the normal streamts.

This is how the udpstreamts activator program looks like on your computer, just showing some telnet commands.



5. ACKNOWLEDGEMENTS

I want to thank **GRUFFY** at <http://gruffy.byethost32.com/> for support and changing the 2SUB/2LANG plugin to include the needed pids.

burgerkind on IHAD too, for the streamts and other files compilation.

6. CONTACT

These programs are delivered to you from <http://dreambox.ingmar.dk>

You can contact the developer on dreambox@ingmar.dk