

## Installation process

Download <http://progs.fangornsrealm.eu/install/fangorn.zip> and uncompress it to [c:\fangorn](#).

Double click the install.cmd in this directory.

The installation process will download some further tools and install them on your system. Some tools need to be installed. The installation process will start the installation of these tools, so you just have to select the correct directory yourself.

GPAC should be installed to `c:\fangorn\tools\gpac`.

Tesseract OCR should be installed to `c:\fangorn\tools\tesseract`. You can choose to install data for several languages for this tool during the installation process.

NeroAacEnc, which is needed by eac3to to encode audio to AAC, is download restricted by the Nero company. You have to download it yourself and place it into `c:\fangorn\tools\eac3to\tools`.

A Java Runtime Environment (jre) is needed to run BDSup2Sub. This is a tool to convert Subtitles from HD sources (BluRay, ...) to DVD format, which is further processable in text recognition and direct muxing to DVD. If you want that feature you will need to have both. If you have Java installed somewhere, just edit the `c:\fangorn\config` to reflect the position of java.exe. If you don't have Java installed right now, the installation process starts a browser with the web page to download a JRE. You have to download and install it yourself as the owner implements download restrictions for this free toolset.

### ***Update the scripts (if necessary)***

Download the scripts manually and copy them to `c:\fangorn` directory. Or delete the script(s) you want to have updated and run install.cmd again. It will download only missing parts.

## Making the tools usable

### ***Add the script directory to the PATH***

#### **Easy way:**

Use the command line link provided in `c:\fangorn\`. It is copied to your Desktop by the installation process.

#### **Manual way:**

Add `c:\fangorn` to your PATH environment variable (in the control center open the "System" part and go to "Advanced system settings", "Environment Variables").

Set the PATH variable to include `"c:\fangorn"`. If there are entries already, you have to separated them by semikolon (;). If you start a new cmd.exe now, your scripts should be available as executable programs.

## **Getting around the perl <script> <arguments> routine**

Double click the „register\_perl\_extension.reg“ file to run any .pl file with Strawberry Perl. Using the correct command line (c:\\fangorn\\tools\\strawberry\\bin\\perl.exe „%1“ %\*). If you just set „Open with“ in Explorer, the command line arguments will not get passed to the programs.

## **Dropping the .pl extension**

If you want you can add the .pl extension to the list of known executable extensions. Add it to the PATHEXT variable, putting ;.PL to the end of the list. After you open a new command line you can omit the .pl and use  
menc <filename>  
for example.

## **Initial setup**

Run any of the scripts a first time to create the config file c:\\fangorn\\config.

In there are default paths that do not necessarily point to the correct locations. A first set points to the locations the install script places the programs. If you choose to use your own versions of a program, you have to change the setting in there. For example Strawberry Perl is crippled version for space consumption reasons. If you want to use a full blown version, you can replace it in the same location or use an installation in another location.

Choose the default settings that you like. Anything you have set in the c:\\fangorn\\config you do not need to specify on the command line any more.

Of course you can always override any settings done by default, the profile or in the config file by explicitly demanding it on the command line.

## **Tip for lazy people**

Create a link to perl.exe (or to any other program) on the desktop. replace the "Command" part by  
C:\\fangorn\\tools\\strawberry\\perl\\bin\\perl.exe c:\\fangorn\\menc.pl %\*  
or the installation path of your perl.exe and menc.pl if installed in different directories.

Now you can drop files onto the link and it starts encoding them with standard settings from  
c:\\fangorn\\config