



# Mod Tools – Pack tool Overview

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# Introduction

You need to use the Pack tool to build your mod file. The Pack tool is named `pack.exe`, and you can find it in the `ModTools` directory that you created when you installed the new mod tools for Delta Force - Black Hawk Down.

The .PFF file will contain all the files that you created for your mod. These files include the mission file (.BMS), new objects (.3DI), and new terrain files (\*.CPT).

**Important:** Your final .PFF file must be stored in a directory named `mod` that is located in the Black Hawk Down game directory.

Once you've stored all your new mod files into your .PFF file (for example, `MyMod.pff`), you can run your mod with this command:

```
dfbhd /mod MyMod.pff
```

The `packPFF` batch file that comes in your `ModTools` directory gives an example of a batch file that you may want to create. When you need to repeatedly add multiple files to your mod file, a batch file makes life easier.

As with the other mod tools released for Black Hawk Down, the Terrain Generator tool is not supported. Visit NovaWorld ([www.novaworld.com](http://www.novaworld.com)) to discuss the mod tools with other gamers.

## Pack Commands

The Pack tool supports three commands for adding, removing and optimizing the .PFF mod file.

### ***Add a Mod File***

To add a file to `MyMod.pff`, use the `+` command:

```
pack MyMod.pff +filename.ext
```

If the .PFF file doesn't exist, the Pack tool will create it.

If you try to add a file to your .PFF that already exists, and the file in the .PFF has a newer timestamp, the pack operation will fail. If you want to force the file to be updated, you can add the `/force` parameter after the `+` command:

```
pack MyMod.pff +filename.ext /force
```

### ***Remove a Mod File***

To remove a file from your .PFF file, use the `-` command:

```
pack MyMod.pff -filename.ext
```

### ***Optimize a file***

To optimize the size of your .PFF file, especially after removing a file, use the `/opt` command:

```
pack MyMod.pff /opt
```

Note that the `/opt` parameter must be run separately from the other Pack commands.