Bitstream Loader by Chris

Prerequisites:

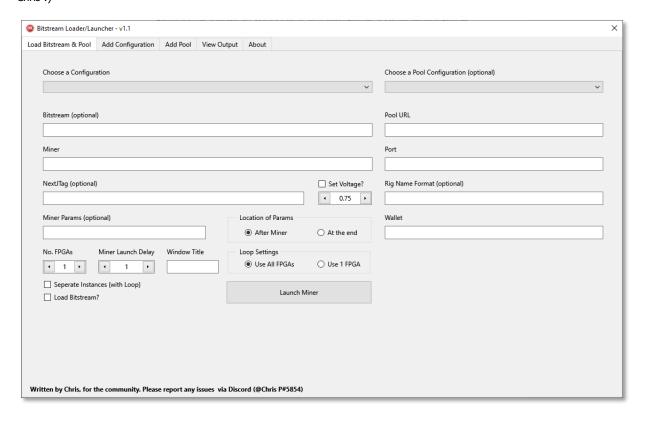
To set the voltage and load the bitstream, you must purchase NextJtag V2.

Thanks for checking out this utility.

Feel free to use this as you wish. All I ask is that if you are able to produce Bitstreams, or have your own private Bitstreams, you consider sharing them with me, by way of appreciation for my work.

If you have any issues with this utility, then please get in touch via Discord (@Chris P#5854).

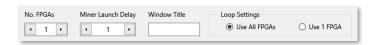
Happy Mining Chris:)



Setting Voltages and Loading Bitstreams



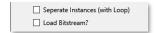
If you have NextJTag you can set the location of the .exe and (V2 only) set the volatge of your FPGA. Both these settings are ignored if "Load Bitstream" is not checked.



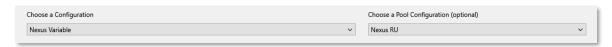
No FPGAs: This value is used in a few ways...

- 1) Controls the number of instances to launch, when Use All FPGAs is set.
- 2) Used for the window title of each miner instance launched.
- 3) Used as a unique identifier for the Rig Name Format, in the pools section.
- 4) When Use 1 FPGA is set, It's used as the single instance window title and rig name format, if used.

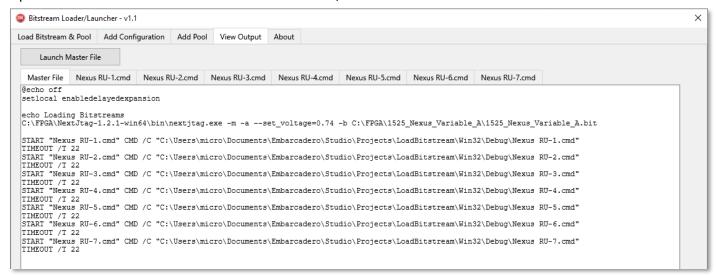
Create a single Master launch file or a Master with separate launch files for each FPGA



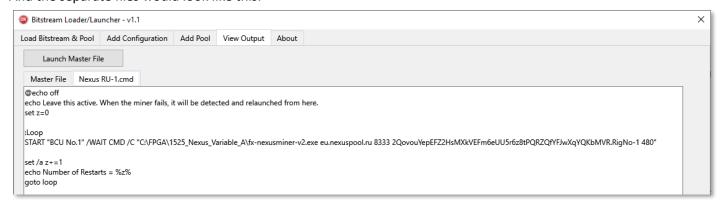
When checked, "Separate Instances (with loop) allows you to create a launch-file for each FPGA, and one Master file to launch them all. The Master file uses the Miner Launch Delay value, and randomizes it, so that all the loops are not running at identical times.



If we use the above configuration: The Master file would be named "Nexus Variable - Nexus RU.cmd" and each separate miner file would be named "Nexus RU-1.cmd", "Nexus RU-2.cmd" etc. The Master file would look like this:



And the separate files would look like this:



The above file launches the miner and waits until it shuts down, at which point it will re-launch it, unless you click the red cross to emergency close, which then will terminate the miner and upon returning to the launch file, you will be asked if you want to terminate the batch job. If the miner restarts, the number of restarts is recorded in the launch file. The launch file starts minimised to prevent cluttering up the screen.

```
Nexus RU-1.cmd

Leave this active. When the miner fails, it will be detected and relaunched from here.

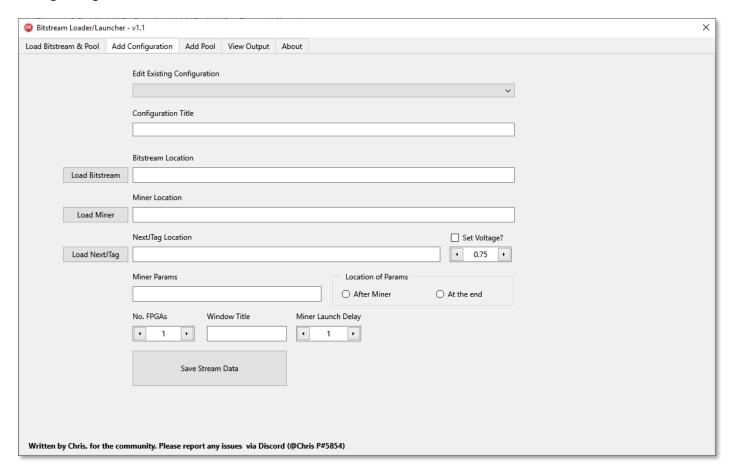
Number of Restarts = 1

Number of Restarts = 2

Number of Restarts = 3

Number of Restarts = 4
```

Adding Configurations



Adding configs is simple! Provide a Config Title and use the Load buttons to locate the various elements.

Location or Params allows you to control where params are added. Some go between the Miner and pool, while others after the pool. If you need both, try adding the params after the "Pool Port" like this :8433 -u

No. FPGAs is used in loops.

Window Title is for the CMD window title of the miner. A loop runs to create the files, using from 1 to No. FPGAs, which provides the unique Window Title for each miner instance.

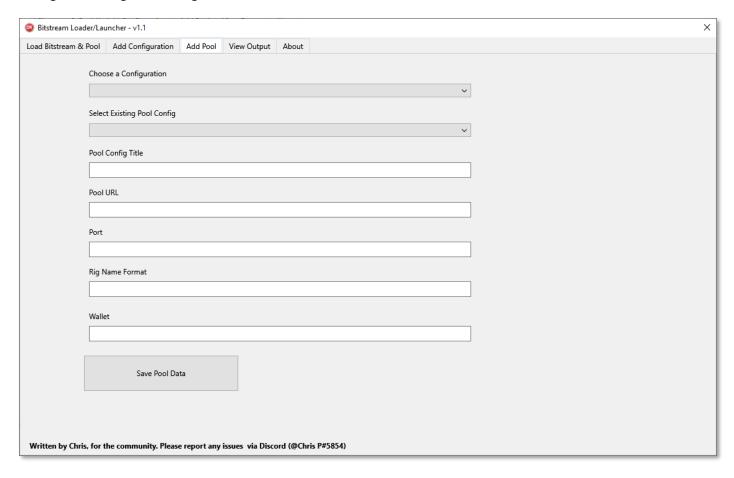
Miner Launch Delay sets the time between launching each instance of the miner.

Write all new settings for a new config.

Keep the same title to edit the current config.

Add text to the title, to clone the current config, into a new config.

Adding and Editing Pool Configurations



Chose to add a new Pool Configuration, or edit an existing one. Add text to the title of an existing config to clone it. You must have a Bitstream Configuration selected, to add/edit a Pool Config.

The *Port* is appended directly onto the pool URL, like this mypool.comPool.

So if the miner needs this format: eu.mypool.com:1234 then add:1234 in the Port box

And if the miner needs this format: eu.mypool.com 1234 then add:1234 in the Port box (space before port)

Wallet well here's a suggestion: Let me know what coin you're mining, and I'll let you have my wallet address \odot . If not, then just add your own \odot