*** NOTE *** -- If you purchase the all in one kit, then you can also download the configuration files from here: https://1drv.ms/u/s!AgpJ1fRiof6RgYBRry6WNRaZQsvV8Q?e=dCh5xq, this is for information on how to do the complete installation from scratch, which you might want to do as it is the best way to get the most up to date configurations and also allows you to add other toys to your cabinet on the extra open slots.

1. Go here and download and install the latest MSI: [DOF R3 & LEDWIZ.DLL Updates (mjrnet.org)](mjrnet.org)
2. Go to [DOF Configtool (vpuniverse.com)](vpuniverse.com), setup a user for yourself and click on "My Account" and set "Number of Pinscape Devices" to 1.
3. Go to Port Assignments and configure similar to the following (For setups with fewer than 8 solenoids, see appendix):



4. Click the Generate Config button (It can take a minute to download) and move the contents of the zip file that is downloaded into C:\DirectOutput
5. If you already have plugins enabled (like puppacks configured) then you should be good to go, otherwise Start visual pinball, right click on the backglass and enable plugins. You should see DOF enabled in there the next time you start up visual pinball

**Configuring using the PinscapeConfigTool:**
1. Download the pinscape config tool here: http://mjrnet.org/pinscape/downloads/PinscapeConfigTool.zip
2. Unzip the file and run the PinscapeConfigTool.exe. This will allow you to do things like calibrate the plunger, test your inputs/outputs and set how each of the outputs works.


**Adding a motor/Combining toys for fewer than 8 solenoid versions:**

1. In DOF config, click on the "Combine Toys" section and configure 1 or more combinations to map to the solenoids you have.
    a. For a 4 solenoid setup, you should keep the flippers by themselves. Combine the 8 bumper right, 8 bumper back and the right slingshot to the right solenoid. Combine the 8 bumper left, 8 bumper center and the left slingshot to the left solenoid.

b.  For a 6 solenoid setup, you should keep the flippers and the slingshots by themselves. Combine the 8 bumper right, 8 bumper back to the right back solenoid. Combine the 8 bumper left, 8 bumper center to the left back solenoid.

c.  For the 7 solenoid setup, combine the 8 bumper back and 8 bumper right together.

**Toy Combo Management**

| Combo ID | Option | Toy Category | Toy 1 | Toy 2 | Toy 3 | Toy 4 |
|---|---|---|---|---|---|---|
| Combo1 | Delete | Mono | 8 Bumper Right | 8 Bumper Back | | |
| Combo2 | Delete | Mono | 8 Bumper Center | 8 Bumper Left | | |
| Combo3 | Delete | Mono | 8 Bumper Center | 8 Bumper Left | Slingshot Left | |
| Combo4 | Delete | Mono | 8 Bumper Right | 8 Bumper Back | Slingshot Right | |
| New | Add | Mono | | | | |