

VIRTUATILT - PINBALL FX SETUP

Following some basic instructions to have your VirtuaTilt up and running with PinballFX.

NOTE: Pinball FX has many limitations; be prepared for troubleshooting if something goes wrong.

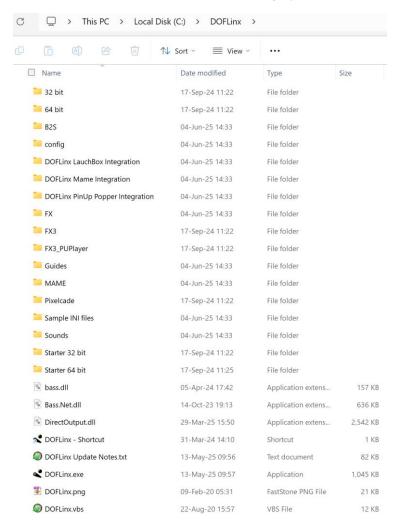
Download **DOFLinx** latest package from here: Releases · DOFLinx/DOFLinx (github.com)

Please always refer to official DOFLinx guides available at https://doflinx.github.io/docs/

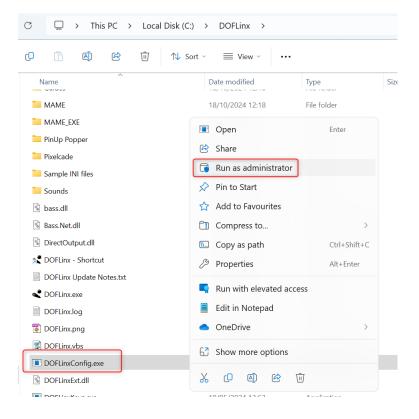
DOFLinx Setup

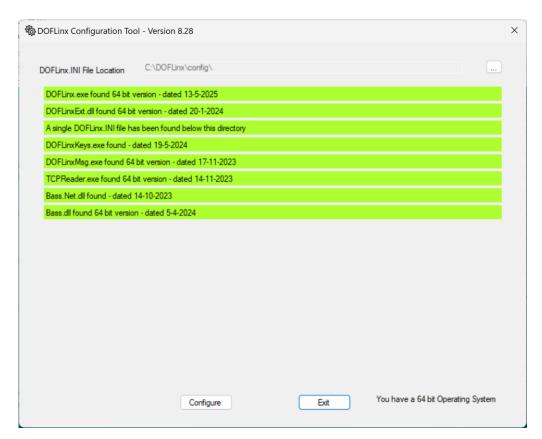
PREREQUISITES: B2S Server already installed https://github.com/vpinball/b2s-backglass/releases and DirectOutput configured (have a look at VirtuaTiltSetup v1.X.pdf quide)

Create a folder C:\DOFLinx and uncompress the above zip package (remember to unblock it):



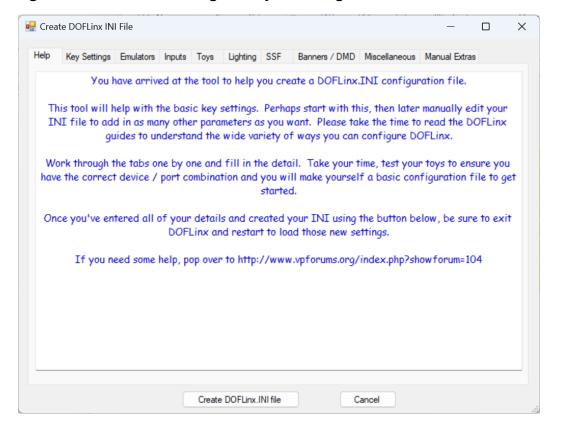
Run **DOFLinxConfig.exe** file in **DOFLinx** folder as administrator:



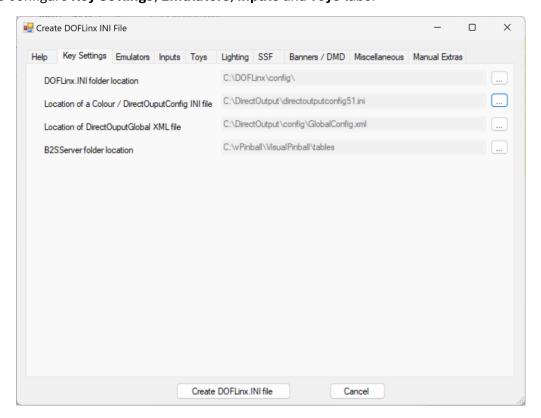


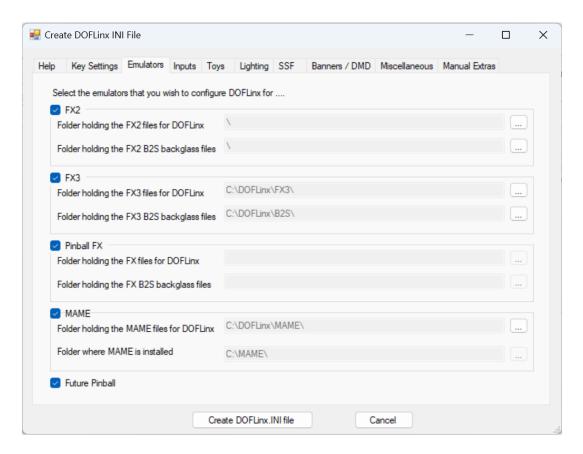


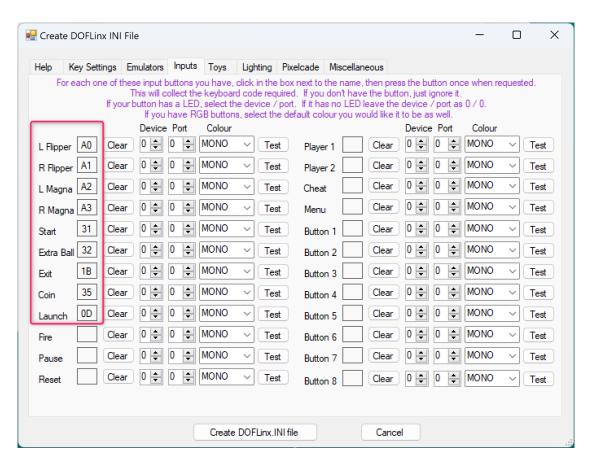
Click on Configure button and work through all of your settings:

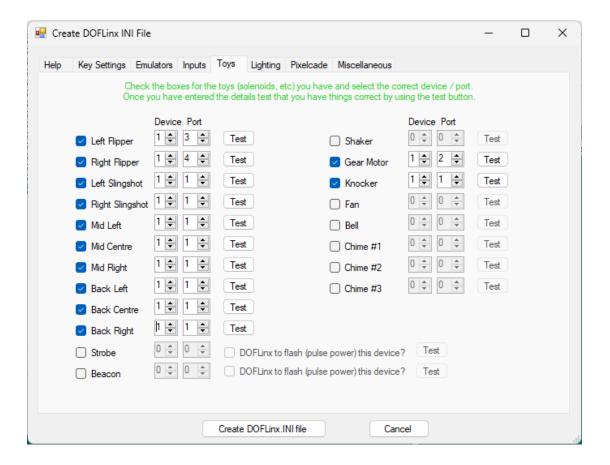


You need to configure **Key Settings**, **Emulators**, **Inputs** and **Toys** tabs:

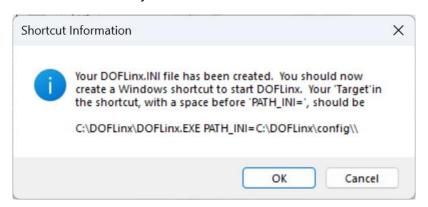




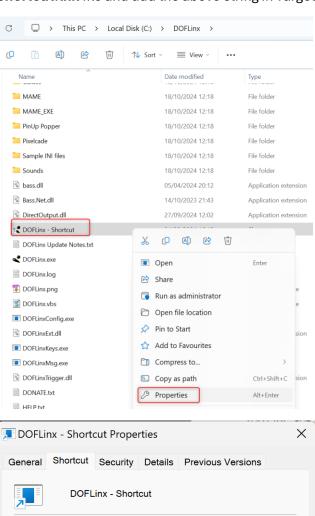


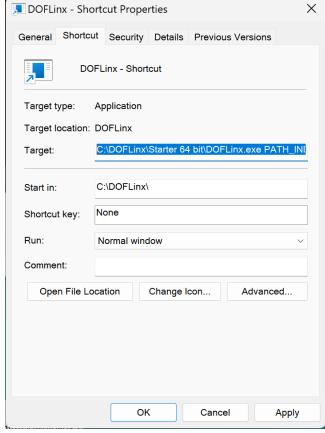


Click on "Create DOFLinx .INI File" when you're done:

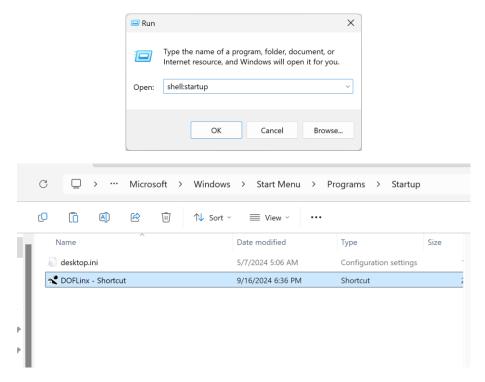


Edit properties of **DOFLinx – Shortcut.lnk** file and add the above string in Target field:

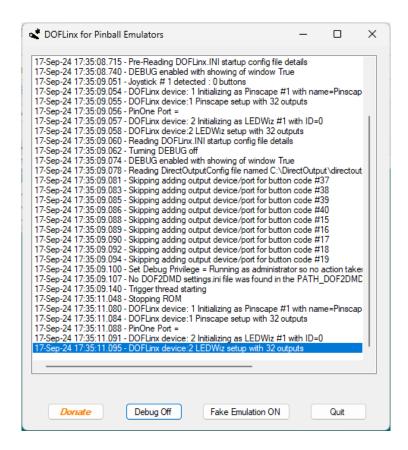




For automatic startup at every boot, put the shortcut in Startup folder:



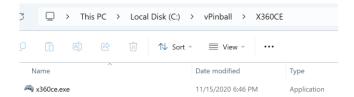
Reboot the machine. If your DOFLinx.ini is configured correctly you should not have any error in debug log (launch DOFLinx - Shortcut to check):



Accelerometer/Analog Plunger configuration

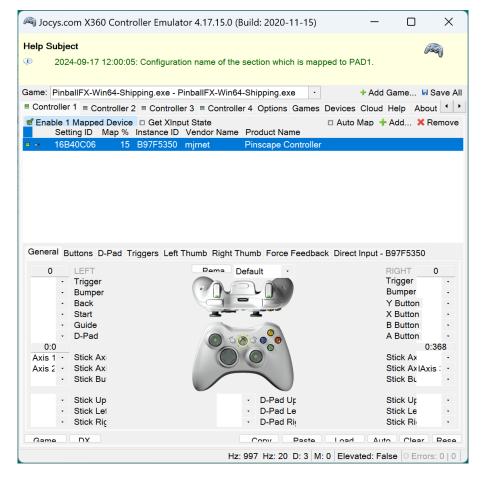
<u>Pinball FX/FX3 emulators do not support analog plunger natively.</u> In order to configure KL25Z accelerometer for nudge/tilt and VirtuaTilt analog plunger, you should download **X360CE** emulator from https://www.x360ce.com/

Unblock the zipfile, uncompress in a folder of your choice (es: C:\vPinball\X360CE\) and launch x360ce.exe



Click on **Add Game** and add the following game **C:\Program Files** (x86)\Steam\steamapps\common\Pinball FX\PinballFX\Binaries\Win64\PinballFX-Win64-Shipping.exe

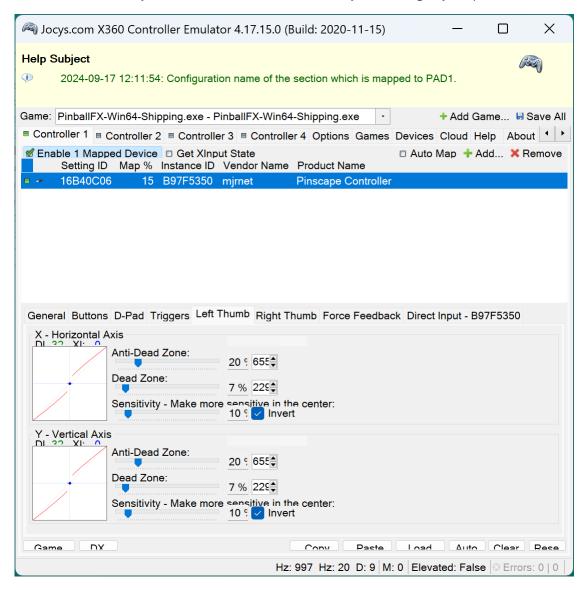
Add also Steam.exe game at C:\Program Files (x86)\Steam\



IMPORTANT: On the Controller 1 tab, uncheck the "Auto map" checkbox, click "Add..." to the right of that and add your Pinscape controller.

On the **General** tab below, click **Clear** and then set the **left stick X Axis** to **Axis 1** and **left stick Y Axis** to **Axis 2**. Set the **right stick's Y Axis** to **IAxis 3** (**Inverted Axis**)

On the **Left Thumb** (used for nudging) tab you'll likely want to adjust nudging sensitivity. Following are good values to start with VirtuaTilt; you can use them and then modify according to your preferences:



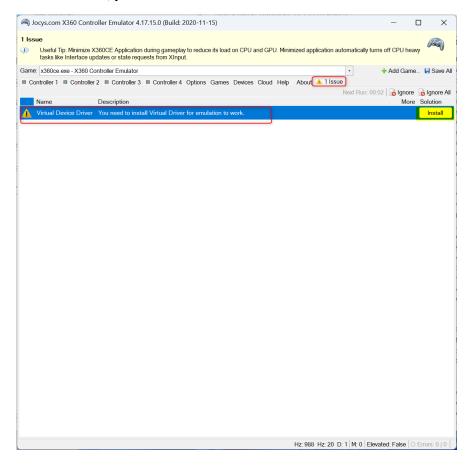
Click on Save All after you configured x360ce and leave it running in background.

NOTE: You can test Nudge sensitivity on Left Thumb tab and Plunger sensitivity on Right Thumb tab.

IMPORTANT: X360CE should always run in background to have plunger/accelerometer functions in Pinball FX.

On the **Options** tab, <u>uncheck the box "Allow only one copy of Application at a time"</u>. This can sometimes cause x360ce to not reopen when tables have been open/closed a few times, even though the old process has been killed.

If you have **1 issue** in x360ce tabs, you have to install Virtual Device Drivers:



Click on Install button and reboot the machine.

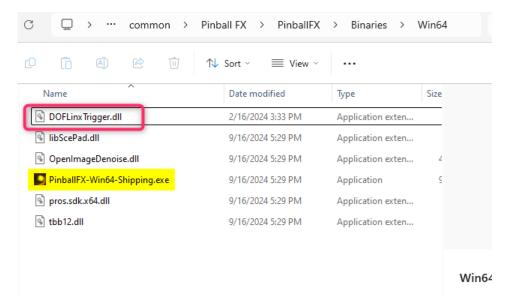
Restart x360ce to check if the issue is gone.



Enabling Pinball FX for DOFLinx

Copy DOFLinxTrigger.dll from where you unzipped the DOFLinx download to the same folder

as PinBallFX-Win64-Shipping.exe (C:\Program Files (x86)\Steam\steamapps\common\Pinball FX\PinballFX\Binaries\Win64\)



Edit your **DOFLinx.INI** to make Pinball FX activate DOFLinx by adding in the **PROCESSES=** line **PinballFX-Win64-Shipping**, so if you want MAME and PinballFX to activate DOFLinx you would have:

PROCESSES=Mame64, PinballFX-Win64-Shipping

Note: PinballFX-Win64-Shipping is the process to monitor for, but you still run **PinballFX.exe** to start PinballFX.

Be sure to have the PATH_FX= and PATH_FX_B2S= parameters pointing to the place you put the FX files.

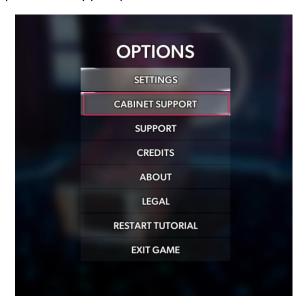
Make sure you have a \ on the end of the path, so C:\DOFLinx\FX\

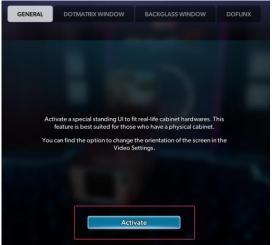
You can get the complete set of active backglasses for Pinball FX from

https://drive.google.com/drive/folders/1AjJ8EQo3AkmG2mw7w0fLzF9HcOjFoUZH?usp=sharing and place them in the folder you just setup above.

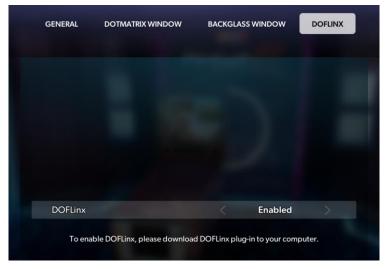
Reboot the machine.

Start Pinball FX, go to Settings | Cabinet Support | General and activate cabinet mode:

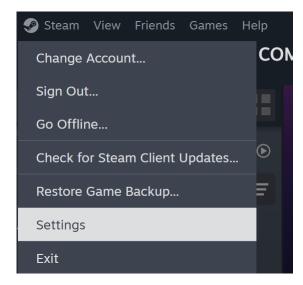




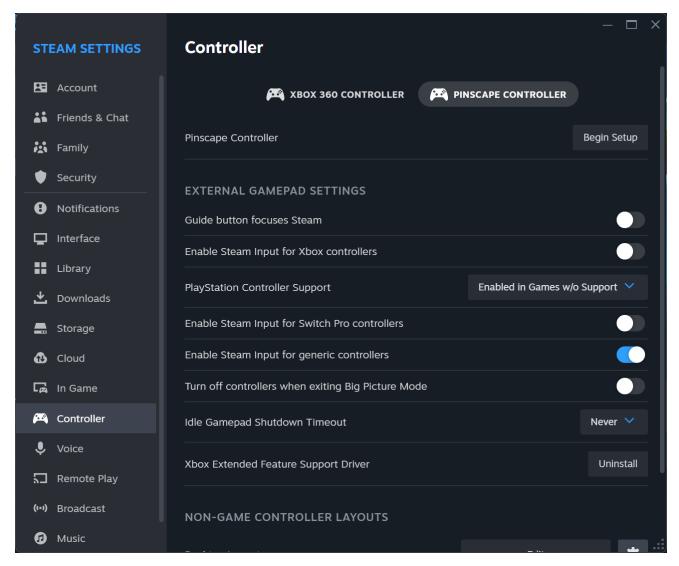
Go to the DOFLinx tab, enable it:



Go to Steam Settings → Controller



Disable everything under "External Gamepad Settings" with the except of "**Enable Steam Input for generic controllers**".



Start Pinball FX and have fun. If everything was setup correctly you should see DOFLinx logo during loading:



DOFLinx.INI file for VirtuaTilt

You can have a look at the following **DOFLinx.ini** file as a reference for your VirtuaTilt. Be sure to correctly configure all paths:

######

DOFLinx Configuration Tool generated DOFLinx.INI file at 20:09:10 18 October 2024

######

DEBUG=1

COLOUR_FILE=C:\DirectOutput\directoutputconfig51.ini

DIRECTOUTPUTGLOBAL=C:\DirectOutput\Config\Globalconfig1.xml

PATH_B2S_SERVER=C:\vPinball\VisualPinball\Tables\

PATH_FX2=\

PATH_FX2_B2S=\

PATH_FX3=C:\DOFLinx\FX3\

PATH_FX3_B2S=C:\DOFLinx\B2S\

PATH_MAME=C:\DOFLinx\MAME\

FP_ATTEMPT_LINK=1

MAME_FOLDER=C:\MAME\

PATH_PIXELCADE=C:\Pixelcade\

PATH_HI2TXT=C:\HI2TXT\

PROCESSES=Pinball FX2, Pinball FX3, Mame, Future Pinball

MAME_PROCESS=Mame

L_FLIPPER_KEY=A0

R_FLIPPER_KEY=A1

LINK_BUT_LF=0000,MONO,A0

LINK_BUT_RF=0000,MONO,A1

LINK_BUT_ML=0000,MONO,A2

LINK_BUT_MR=0000,MONO,A3

LINK_BUT_ST=0000,MONO,31

LINK_BUT_EB=0000,MONO,32

LINK_BUT_EX=0000,MONO,1B

LINK_BUT_CN=0000,MONO,35

LINK_BUT_LB=0000,MONO,0D

L_FLIPPER_OUTPUT=1003

R_FLIPPER_OUTPUT=1004

LINK_LF=1003,100,10000,255

LINK_RF=1004,100,10000,255

LINK_LS=1001,100,500,255

LINK_RS=1001,100,500,255

LINK_ML=1001,100,500,255

LINK_MC=1001,100,500,255

LINK_MR=1001,100,500,255

LINK_BL=1001,100,500,255

LINK_BC=1001,100,500,255

LINK_BR=1001,100,500,255

LINK_GR=1002,1000,10000,255

LINK_KN=1001,100,500,255

#!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!