FuSa SD version 1.0.47

CONTENT

DESCRIPTION

FuSa SD is plug-in for PSP S&L, which allows you to play using «interlaced» mode

Main features:
- You can play games using any TV set
- Full screen picture

Supported cables:
- Componennt
- Composite
- D-Terminal
- S-Video

Note:
You should use appropriate type of cable for your TV set.
Be sure, that your TV set supports NTSC signal, otherwise picture will be b/w

INSTALLATION

REQUIREMENTS:
- **PSP S&L** game console
- CFW **3.80 M33** or newer
- **FuSa SD** package

If you use other plug-ins:

Copy **FuSa_SD.prx** file from archive to your **seplugins** folder on **MemoryStick**
Add **ms0:/seplugins/FuSa_SD.prx** line into **game.txt** and **pops.txt** files.

If you DON'T use other plug-ins:
Just copy **seplugins** folder, from archive, to the root of your **MemoryStick**

Now enter the RECOVERY MENU (Switch off your PSP, then holding **R-TRIGGER** switch it on)
Select **Plugins ->** and then enable **FuSa_SD.prx** for **[GAME]** and **[POPS].**

USAGE

Launch some game.
Wait until it fully loads.

> *Not :*
> *During the first start, plug-in will create «fusaconfig.db» file, with default settings , in the seplugins folder. Remember, you can return default settings at any time you want, just remove this file.*

Hold **(-)** and **(+)** volume buttons for a while, plug-in will be automatically enabled and menu will show up:
Description of main menu:

Cable: inserted …	*Indicates inserted cable*
DISABLE PLUGIN	Disable the plug-in
SWITCH TO TV	Switch between TV/LCD
SPEED BOOSTER	Enable/Disable the SpeeDBoosteR
FuSa's priority	Adjust process priority
Minimal FPS	Adjust FPS limit
FULLSCREEN MODE	Choose fullscreen mode
ADDITIONAL SETTINGS	Configuration menu
EXIT MENU	Back to game

What's SpeeDBoosteR?

> *Theory:*
> *Some games use vertical sync, and when you use «interlaced» mode, they run slow. That's because of, PSP lcd's native frequency is ~100Hz, but TV's frequency in «interlaced» mode is about 30Hz. So the factor of delay is 100/30 i.e. games run 3x slowly.*

SpeeDBoosteR was designed to avoid this problem. Currently it's compatible with some PSP games and with all PSone games, but it's still in development stage.
So if the game runs slow, you should try to enable **SpeeDBoosteR**.

> *Note:*
> *PSone games: You can turn on the SpeeDBoosteR, but you won't be able to turn it off. You'll get "Action was blocked" message, if you try to disable it.*

Process' priority and FPS limit.

Picture can blink and sound can stammer in some games. To avoid it, you need to adjust the priority and FPS limit correctly.

Note:
When you enable the plug-in, it will determine what type of game you are running (PSone or PSP) and it'll load the default settings for appropriate game type.

You can adjust this parameters manually.
You can visit FAQ at our website (see the link below) for more details.

Fullscreen modes.

You can choose one of 3 available modes:
«0» The picture is cropped at top and bottom sides and isn't stretched horizontally
«1» The picture isn't stretched horizontally
«2» The picture is stretched to full screen area

Note:
Each screen mode has different CPU load level. The «2» is the hardest one, and the «1» is the quickest one.

Description of configuration menu:

BUTTONS ASSIGNMENT   Hotkeys' assignment
SCREEN POSITION ADJUSTMENT   Adjustment of screen position
BACK TO MAIN MENU   Return to main menu

Hotkeys' assignment.

Choose necessary hotkey, which you want to assign new buttons combo for.
The **Currently:** string indicates which buttons combo is already assigned.
Press , to reassign the combo buttons.
You will get 3 seconds, to assign new combo buttons. Press   to return to the configuration menu.

Note:
After you've pressed   button to return to the previous menu, plug-in will save new configuration to file.

Default hotkeys.

Show the main menu *(and enable the plug-in, if it's disabled)*   **(-)** and **(+)**
Enable/Disable the SpeeDBoosteR   **(-)** and **L-TRIGGER**
Enable/Disable the plug-in   **(-)** and **[ ]**
Toggle TV/PSP LCD   **(-)** and **R-TRIGGER**

Adjustment of screen position.

If you notice, that the picture is allocated incorrectly on TV's screen, you can use this feature, to press this issue. Use RIGHT/LEFT or UP/DOWN buttons to change position of the white frame, which shows current screen position.

Note:
Screen position setting is unique for each screen mode. Remember that mode «0» doesn't allow you to move screen vertically.

Note:
After you've pressed   button to return to the previous menu, plug-in will save new configuration to file.

TROUBLESHOOTING

Why the picture is b/w?
Be sure that your TV set supports NTSC signal and your cable type.

Game runs too slow.
Try to use the SpeeDBoosteR. Remember, it's still in development stage.

Why picture blinks and sound stammers?
Process' priority and/or FPS limit are incorrectly adjusted. You can read FAQ or check appropriate «Compatibility list » at our website.

Why picture is «pixilated»?
PSP native resolution is 480x272 and TV resolution is about 720x240. During the up scaling pixels are becoming larger. The only one solution is to wait for GfX filter for FuSa SD, which we are working on.

Why PSone games freeze on restart or exit?
This «bug» is linked with new SpeeDBoosteR and isn't fixed yet, perhaps, we'll fix it in next release.

When I enable the plug-in my game crashes.
Activate the plug-in after you've loaded level and seen "intro" videos. You can also try to activate it without cable plugged in.

The picture's color is odd.
This is very rare «bug», try to press HOME several times.

Game crashes on exit.
Try to disable the SpeeDBoosteR and/or to unplug the cable.

REFERENCE

Official website: http://www.foosa.do.am
Forum: http://www.foosa.do.am/forum
Compatibility list for 1.0.47: http://foosa.do.am/publ/1-1-0-2
FAQ: http://foosa.do.am/faq/

GREETINGS

J.F. more known as Chilly Willy, for his advices and attention to FuSa project
Special thanks fly away to **SilverSpring** for his «display.c» the source of display.prx
hlide for his help with functions patching
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All ps2dev community
These beta-testers: baramos(59), keeponjammin(44), acidpunk(35), AndreYin(4), wootbeer(4), ximenes(3), soraxroxas13(2)
And everybody, whom we've forgotten... sorry :(