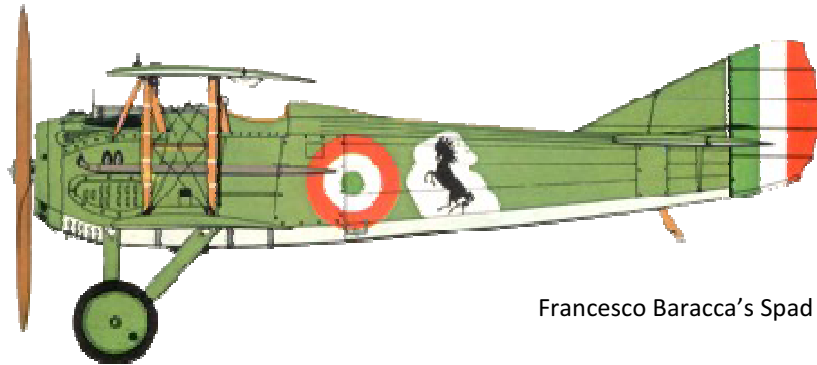


# SPAD

## Saitek **P**anels **A**vanced **D**rivers



Francesco Baracca's Spad XIII

### VERY IMPORTANT NOTE !!

This software is in development stage!

If you are not comfortable with software non yet fully tested/completed, please be patient and wait for a 1.0 release.

Current Version: 0.3 Beta

The SPAD is my attempt to develop a driver to completely replace the original drivers for the Saitek Pro-Flight Radio, Multi and Switch panel.

Spad is released as free software. I mean free as a free beer, not free as intended in the GPL public license. If anybody is able to help me in the development of this project I will consider to change the distribution license and publish the source code of the project.

Main features are:

- Capability to send keystrokes and virtual joystick events (via Peter Dowson's FSUIPC) to address add-on aircraft incompatibility problems.
- Tunable sensitivity and acceleration support for the rotary knobs
- Added control functions like barometric altimeter regulation etc.
- Fixed many bugs (like the missed Glide Slope during approach)

## REQUIREMENTS

Spad requires:

- Windows XP, Vista or Seven (tested on Windows XP and on Windows Vista 64bit)
- Microsoft Flight Simulator 2004 or Flight Simulator X (tested on FS9.1 and on FSX-SP2)
- Peter Dowson's FSUIPC (registered version is required to use the Virtual Buttons feature)  
Note: FSUIPC is required to run Spad for Flight Simulator X too.
- At least one Saitek Panel 😊

Spad is not compatible with UAC (User Account Control).

If you want to run Spad on Windows Vista or Seven you have to either disable UAC or run Spad with Administrator rights (right click and select "run as Administrator").

## INSTALLATION

Run the included automatic setup tool ( SetupSpad.exe)

## STARTING SPAD

Simply double-click Spad icon when you prefer (before or after running Flight Simulator makes no difference).

Spad starts directly iconized in the tray bar. If you want to view the user interface double click on the little plane icon.

## USING SPAD

In a future release I'll include a more comprehensive manual, but at the moment I'll focus only on the main differences with default drivers.

Multipanel: almost the same as default drivers.

Radiopanel: in ADF Mode on the left you can read DME1 Distance data. In ADF mode the inner knob and outer knob steps are configurable.

In XPDR mode on the left you can read Altimeter Barometric regulation. The Act/Stby button performs 2 actions: selects the XPDR digit to modify and switches between In/Hg and Millibars. Inner knob set the XPDR digit, outer knob sets altimeter regulation. XPDR digits are set one by one using only the inner knob. It's possible to setup 3 altimeter setting mode: fixed hPa, fixed inHg, toggle using Act/Stby button.

Switchpanel: almost the same as default drivers.

## SETTING SPAD

Pay attention to acceleration and sensitivity slider. A certain amount of acceleration is needed , otherwise rotary knob movement tends to be too slow. Your mileage may vary, so test drive the best values that suite your needs.

In a future version a certain amount of acceleration will be set by default.

In the main window you can find a General Tab (with the Quit button) and a Tab for each panel you have connected to your system. In any panel tab you can find a setup button. You can have specific setup for every panel, even of the same type. Clicking setup you can set what happens when you operate any control on the panel.

For any control you can choose between 4 possible action types:

- No event
- FSUIPC Offset change
- FSUIPC Virtual Button
- Keyboard emulation

No event is self explanatory . The Mode Selector on the Multi Panel, for example, is by default “no event”.

Selecting FSUIPC Offset change Spad will manage the control with its own logic writing information directly into the Flight Simulator using FSUIPC.

FSUIPC Virtual Button is a feature which requires the registered version of FSUIPC, it allows to send virtual Joystick button click to the FSUIPC interface. You need to program the action to send to Flight Simulator by FSUIPC interface.

This is one of the most valuable Spad feature, using this technique with FSUIPC mouse action emulation you can gain compatibility with almost any add-on aircraft. In future release I'll include some scripts to automate some common add-on aircraft.

Keyboard emulation is self explanatory too.

## CONTACTS

For bug reports, suggestions, feature requests or anything else feel free to contact me using the forum on: <http://fstools.weebly.com>