Help

About

Shooting Sports Mobile for IDPA ™

Admin Version: 2022.3.2
Scoring Version: 2022.3.2
Server Version: 2022.3.2

© Copyright 2013-2015 James Criner

IDPA ™: "IDPA", as it appears in this software, is a registered trademark of the International Defensive Pistol Association. While IDPA has encouraged the development of this program, IDPA has no direct affiliation with this software or its developer. Any appearance of "IDPA" is solely to indicate which sport this app is intended for. Please visit the official IDPA website at http://www.idpa.com/ to learn more, and consider becoming a member if you have not already done so.

Scoring App

When installing the scoring app on a mobile device, please follow the appropriate instructions for your respective platform (Android, iOS).

The scoring app does not need to be installed on a computer as it comes with the server. It can be reached by any web browser on the network (see the server install instructions).

Server

Install

The software is distributed as a ".zip" archive. Extract the files from the archive using your tool of choice. Some archive tools will wrap another folder around the distribution folder structure that has the same name as the archive file. You should relocate the files and folders as discussed below. Once extracted, you should have this folder structure:

- ssmi_install_help.pdf = This help file.
- ssmi_bin
    - ssmi_server_* = The program executable for your operating system.
- ssmi_data
    - db
        - csv = Data that will be added to the database on first launch.

- sql = Sample SQL files for database manipulation.
- docs = PDF versions of the documentation.
- license
  - license.txt

You may relocate the program executable for your operating system anywhere you wish. The "ssmi_data" folder should be relocated to your "home" directory so that the program excutable can find the necessary files. Your "home" folder is usually the folder that contains the "Documents" or "My Documents" folder.

If your username is "foobar", then your "home" directory will probably be:

- "*C:\Users\foobar*" on Windows Vista/7/8/Server
- "*C:\Documents and Settings\foobar*" on Windows XP
- "*/Users/foobar*" on Mac
- "*/home/foobar*" on Linux

The correct folder structure should now look like this:

- Your "home" folder
  - Documents (or My Documents)
  - ssmi_data

The brute force method is to launch the program executable, and it will create the "ssmi_data" folder automatically. When you launch the program you should see:

SERVER: DATAPATH is C:\users\foobar\ssmi_data

This is where the "ssmi_data" folder should be located. You should now delete the "ssmi_data" folder that was just created and replace it with the one from the zip file.

If you are a bit more tech savvy, open a command line terminal and type the command "echo %USERPROFILE%" on Windows or "echo ~" on Mac or Linux. The result is the folder in which you should place the "ssmi_data" folder.

Before First Launch

1. The program executable is a web server that listens on TCP port 8888. In order to connect to the server program from another computer or mobile device, you MUST be sure that any firewall or security software in between allows inbound traffic on tcp/8888. On Windows, Mac, and Linux you may have to add an exception or rule to your firewall settings which will "allow inbound tcp/8888 from anywhere". You may also have to "allow" inbound connections for the program executable when you launch the program for the first time. If you are unable to connect to the server program from another computer or mobile device, please try turning off your firewall temporarily to see if

the problem is resolved.

2. The contents of the files in "ssmi_data/db/csv" will be added to your database at first launch. This includes makes, models, calibers, categories, and extra shooter properties. You can edit those files manually or delete them if you wish.

Program Launch

1. Start the program executable by double-clicking the icon in your file browser. If you get warning messages, it may be because the executable code is not signed and distributed via an app store. Windows AppLocker and Mac GateKeeper try to prevent unknown third party apps from running. Please allow the server program to run in your security settings. On a Mac, this can be done in "System Preferences / Security & Privacy" (see http://support.apple.com/kb/ht5290).

2. The program will open a terminal window that displays diagnostic messages.

    If the program cannot find a valid license file, you will be shown a random string. Please email support@shootingsportsmobile.com your OrderNumber and the random string to request a license. When you receive your license, save it to "ssmi_data/license/license.txt".

    • You can also perform license management using a web browser on the same computer running the server program by going to http://127.0.0.1:8888/ssmi/license/index.html

    • If a valid license file is found, the server is now running and ready to accept connections from the same computer or other computers / mobile devices.

3. If the database ("ssmi_data/db/ssmi_server.db") named in the configuration file does not exist, a fresh dabatase will be created for you. Hint: If you want a special database just for a major match or have a fresh database each year:

    • Quit the server program and make certain it is not running.

    • Rename your existing database.

    • A new clean database will be created for you when you next launch the server program.

    • You can switch between databases by renaming the database files or by editing the configuration file ("ssmi_data/conf/server.conf"). Please be certain that the server program is not running when you rename the database. See "ssmi_data/docs/ssmi_admin_help.pdf" for help regarding the configuration file.

4. Open a web browser.

    • You MUST allow cookies in your web browser settings in order to successfully login.

    • The url for the "admin" interface from the same computer running the server program is http://127.0.0.1:8888/ssmi/admin/index.html

    • Login with username = admin, password = admin.

    • Have fun!

    • If you have any issues whatsoever, please install and use a current desktop version of Firefox or Chrome.

Browser	Version	Supported	Notes
Firefox	Current	Yes	Reco
Chrome	Current	Yes	Reco

Safari	Current	No	*
Internet Explorer	>= 10.0	No	**
iOS	>= 6.0	Yes	
Android	>=4.1	Yes	

Notes:

* Safari will not work in "Private Browsing" mode.

** Internet Explorer may work, but it is unsupported for good reason. If you have any issues whatsoever, please install and use a current desktop version of Firefox or Chrome.

That's great, but why can't another computer or mobile device connect to the server program?

- Make sure that all computers and devices are connected to the same local network (e.g. wifi router)
- Make sure that all firewalls allow inbound access to the server computer on tcp/8888.
- In order for other computers or mobile devices to access the server, you must know the "ip address" or "netbios/bonjour/avahi/dns name" of the server computer. You can determine this information through networking / sharing tools in the Control Panel (Windows) or System Preferences (Mac). You can also get this information by issuing these commands in a command line terminal:
    - "hostname" (Windows) or "hostname -A" (Mac, Linux)
        - If you named your computer "foobar" the result of the commands above would be "foobar" (Windows) or "foobar.local" (Mac, Linux)
    - "ipconfig /all" (Windows) or "sudo ifconfig" (Mac, Linux)
        - The result of these commands should show an "IPv4 address" (Windows) or "inet addr" (Mac, Linux) for your network interface that was issued by your local router (but not 127.0.0.1). For a home networking setup your address will probably be "192.168.X.X" or "10.0.X.X".
- Replace the "127.0.0.1" part of all web urls with either the hostname or ip address of the server computer. This includes the upload and settings urls in the mobile scoring program.
- To make life easier, the server program will attempt to guess valid urls which you can use and display them in the terminal output. Look for messages like:
    - SERVER: admin url for this computer only
        - http://127.0.0.1:8888/ssmi/admin/index.html
    - SERVER: admin url for other computers on this network
        - http://192.168.1.75:8888/ssmi/admin/index.html
        - http://foobar.local:8888/ssmi/admin/index.html
    - SERVER: settings url for the scoring app
        - http://192.168.1.75:8888/ssmi/api/settings
        - http://foobar.local:8888/ssmi/api/settings
    - SERVER: upload url for the scoring app
        - http://192.168.1.75:8888/ssmi/api/upload

- http://foobar.local:8888/ssmi/api/upload

The most reliable networking setup is to make sure the server computer has the same name resolution and/or ip address each time. That way you can bookmark the urls in your web browsers. If you only access the "admin" interface from the same computer running the server program, then you can simply bookmark http://127.0.0.1:8888/ssmi/admin/index.html. The mobile devices running the scoring app will update and save the url anytime they successfully connect. If your server program has the same ip address or name resolution every time, you will only have to change them once. Check with your network administrator for more information on how to do this:

- Log in to your network router and give your server computer a "DHCP reservation based on the mac address of your network interface" so that it will always get the same DHCP ip address; or
- Make sure your server computer, other computers, and mobile devices are all running "netbios/bonjour/avahi/dns" name resolution and use the server computer name in the urls. You should be able to get this to work for Windows, Mac, Linux, and iOS devices. Android devices need additional software installed; or
- Change your server computer network settings to use a fixed ip address instead of DHCP;

After First Launch

Go to the "admin" interface using your web browser, and:

1. Edit or delete users.
2. Change user passwords.
3. Update your client options in the config file. This can be done by going to "Gear/Options" in the "admin" interface or by manually editing "ssmi_data/conf/server.conf". You will have to quit and restart the server program to see the changes. See the "admin" interface help for a description of the options.
4. If you add any entries to the files in "ssmi_data/db/csv", you can re-add those files by going to "Database/CSV Data" in the "admin" interface.
5. Have fun!