FREQUENCY MANAGER SUITE

Read Me First - Version 2.2.1

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Table of Contents

Introduction

This document will tell you how to install FMSuite and the required supporting software.

System Requirements

As with any software, the more capable your hardware the better the software will run.

- **Operating Systems:** Windows 7, Windows 8.x, and Windows 10. The binaries are compiled for a 32-bit environment for the broadest compatibility but run equally well in an x64 environment.
- **Processor:** 1-gigahertz processor or faster; **2 or more cores is recommended. Hyper-threading/multi-threading should be enabled for the best performance**. **NOTE:** SDR# and my plugins are feature-rich multi-threaded applications, which means they perform multiple tasks simultaneously. The more threads your processor supports, the better SDR# and FMSuite will run.
- **Memory:** 1 gigabyte or more total in the computer.
- **Hard Disk:** The software requires about 41KB.
- **SDR#:** Revision 1812 or newer.
- **.NET 5.0 Desktop Runtime x86**.
- **.NET 5.0 Runtime x86.**

Change Log

All Plugins

- Revised inter-plugin data communication programming where necessary.

Data Tools

- Fixed the missing double-quotes around the Groups data element when exporting a database to a generic file.

Installation

Installing Required Microsoft Software

Before attempting to install FMSuite, you must first install the required supporting Microsoft software. With the advent of SDR# 18xx versions, a different Microsoft software platform is being used. This platform necessarily requires support software. Some computers already have it, others don't. We will assume your computer does not have these requirements. Here are the steps to download and install the Microsoft software.

1. Download the .NET 5.0 Runtime x86 from here.
2. Run the installer as Administrator.
3. In my many tests, installing this once doesn't always work; you have to install it twice. Thanks, Microsoft.
4. Run the installer again as Administrator. When prompted for the type of installation, select Repair. Finish the installation.
5. Download the .NET 5.0 Desktop Runtime x86 software from here.
6. Run the installer as Administrator.
7. As before, run the installer again as Administrator. When prompted for the type of installation, select Repair. Finish the installation.

Installing FMSuite

Before starting installation, if you have FMSuite databases from a previous installation of FMSuite in SDR# 18xx, make backups of those databases.

You will note that the zip file containing this document also contains a folder named FMSuite. That folder contains all of FMSuite and its non-Microsoft supporting software. Take the following steps to install FMSuite.

1. Locate and open your folder containing SDR#.
2. Note that it contains a folder named Plugins. Open the Plugins folder.
3. Copy the FMSuite folder from the zip file into the Plugins folder. Don't just copy the FMSuite folder contents; copy the folder itself and the contents will follow. This will keep the FMSuite components separate from those of other plugins.

Installation is complete. At this point the folder tree for SDR# should look like this:

```
SDR#
└──Plugins
    └──FMSuite
        └──net5.0-windows
               ├──FMSuite.Activity.Logs
               ├──FMSuite.Databases
               ├──FMSuite.Documentation
               ├──FMSuite.Scheduler.Logs
               ├──x64
               └──x86
```

There will be many individual files inside the net5.0-windows folder, and most of its subfolders will also contain files.

Because of problems caused by users ignoring these instructions, let me reiterate and reinforce these points about installation.

- DO NOT copy only the contents of the FMSuite folder; copy the folder itself into the Plugins folder.
- DO NOT rename any files or folders.
- DO NOT move any folders or files to other locations.
- DO NOT copy your old FMSuite.FreqMgr.Config into this new FMSuite. There are new configuration data added to this new version and old configuration data that has been removed.

Ignore these instructions at your peril. If you email me for help because you damaged your installation by messing around with files and folders, I will correct you and then ridicule you.

Plugin Organization

SDR# 18xx uses a new model for supporting plugins. It contains a Plugins folder into which all plugins can simply be copied and no configuration of the plugins is necessary. Taking advantage of this, FMSuite and all of its support files, documentation, and databases are in reserved folders under the SDR# Plugins folder. Specifically, FMSuite can be found at the following file path:

<div align="center"><code><SDR# folder>\Plugins\FMSuite\net5.0-windows</code></div>

Underneath this folder are all of the executable and configuration files for the FMSuite plugins and tools. Also located here are some folders which contain FMSuite databases, documentation, log files, and support files. These folders and their contents are:

- **FMSuite.Activity.Logs**: contains data collected by the Activity Logger plugin.
- **FMSuite.Databases**: contains the default FMSuite frequency and Scanner Metrics databases and any other FMSuite databases you care to create or move from previous FMSuite installations.
- **FMSuite.Documentation**: Documentation for FMSuite plugins which require it.
- **FMSuite.Scheduler.Logs**: Activity logs collected by the Scheduler plugin.
- **x64**: support files for the database system in FMSuite.
- **x86**: support files for the database system in FMSuite.

I recommend that you do a couple of things after installing FMSuite:

- Move any databases you made with previous versions of FMSuite to the new FMSuite.Databases folder. After starting SDR# and enabling the FM plugin, use the Preferences dialog to select your preferred database in the new folder.
- Make desktop shortcuts to the documentation files in the FMSuite.Documentation folder.
- Make a desktop shortcut to the application FMSuite.DataTools.exe.
- If you intend to use the Activity Logger plugin, Scanner Metrics plugin, or the Scheduler plugin, make desktop shortcuts to their folders and to the FMSuite.Databases folder as well.

Notices

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