

# Activity Logger

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## *User's Guide*

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### Introduction

The **FMSuite Activity Logger** (called AL in the rest of this guide) is a free plugin designed for use within the SDR Sharp software application. It records scanner activity performed by the Frequency Manager + Scanner plugin.

### System Requirements

Basically, if you can run SDR Sharp and the Frequency Manager + Scanner plugin from the Frequency Manager Suite, you can use the Activity Logger. You must have:

- **SDR Sharp:** Revision 1893 or newer.
- **Frequency Manager + Scanner** from the Frequency Manager Suite v2.3 or newer.

#### Important Note

SDR# is an application created by other people and I am not involved in it. I have no control over changes made to SDR#. I am completely at their mercy as to how their changes affect AL. They are under no obligation to inform me of changes; I won't know if their changes will break my plugins until the plugins are run with the new version of SDR# and you tell me there is a problem. As a result, there will be a period after they make a breaking change in which my plugins may not work. Please be assured I will make any necessary changes, and release updates, as soon as practical after SDR# is changed and I have identified the issue.

### Using the Activity Logger

The AL listens for activity from the scanner portion of the Frequency Manager + Scanner plugin. When the scanner finishes listening to a frequency, the following data are written to the file. Each row in the log represents one start time + end time + frequency event.

- Reception Start (date and time)
- Reception End (date and time)
- Frequency (in Hertz)
- Center (in Hertz)
- Description (from the Frequency Manager database if present)
- Notes (from the Frequency Manager database if present)
- Protocol (from the Frequency Manager database if present)
- Service (from the Frequency Manager database if present)
- Callsign (from the Frequency Manager database if present)
- Shift Enabled
- Shift
- Filter Type
- Filter Bandwidth
- Squelch Enabled
- Squelch
- CW Shift
- Timeout Seconds (setting from the scanner)
- Minimum Signal Strength (setting from the scanner)
- Actual Signal Strength
- Exit Reason (Timeout, Watchdog, etc.)

The logs are written in CSV format with double-quotes around text fields to have the highest level of compatibility with other applications.

## The Scanner Activity Logger Panel

### *Write Column Headings to Log*

Depending on your ultimate use of the log file you may or may not require that column headings be present in line 1 of the file. Put a check mark here to cause column headings to be written to the file.

### *Don't log activities shorter than X seconds*

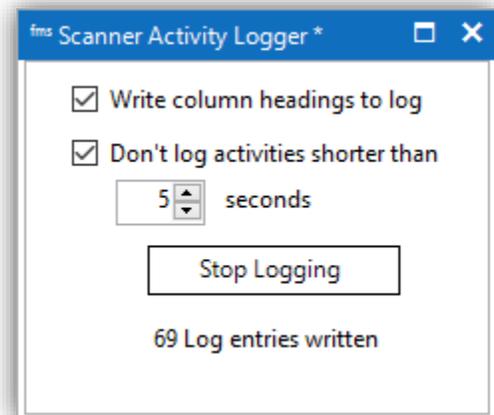
Depending on how you scan, you might get very short, possibly empty, transmissions. Using this setting will prevent those from being logged. Normally this value is set to less than the "Seconds wait for more transmission" value in the Scanner.

### *Start Logging*

When clicked, the button starts watching for activity records sent from the Frequency Manager + Scanner plugin and the button caption changes to "Stop Logging". After the first record is received logging is started. You may turn off logging by simply clicking the button again. Note that logging any activity is not a high-priority action; as a result, it may be several seconds after leaving a frequency before its record is recorded.

## Log Files

Files generated by the plugin are in an FMSuite subfolder named "FMSuite.Activity.Logs". The full path to this folder is <SDR# folder>\Plugins\FMSuite\FMSuite.Activity.Logs. Files are named for the year, month, day, and time that they were created. For example, "2022-07-04 10:42.csv" is a log written on July 4, 2022 at 10:42am. Files are named this way to make sorting and locating specific files easier. Log entries, when received from the scanner, are automatically appended to the existing log file for that day.



If a logging session should run past local midnight, a new log file named for the new date will be created in the same folder.

## Known Issues

None.

## Notices

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