ATA ENGINEERING, INC.



Installation Guide for Windows Platform
Version 5.3

PREREQUISITES

Required software versions

Vibrata supports **FEMAP** 11.3.x through 2606. Vibrata may work with newer versions of FEMAP, but such use is at user's own risk.

Vibrata **requires MATLAB Runtime** 25.2 (R2025b) 64bit if you wish to use it without requiring a MATLAB license.

Vibrata supports **MATLAB** R2026b, R2026a, R2025b and, R2025a. MATLAB is only required when using custom solvers or custom post-processing (e.g. launching Vibrata with the `--matlab` startup option). Vibrata may work with newer versions of MATLAB, but such use is at user's own risk.

INSTALLATION INSTRUCTIONS

These instructions should be sufficient for the majority of users and should be followed in the order given. Advanced users should refer to section 8.3 of the user guide for other installation options. If you already have a prerequisite installed, you do not need to uninstall and reinstall it.

1. Install one of the supported **FEMAP** versions listed in the PREREQUISITES section above.
2. Install the **MATLAB Runtime** listed in the PREREQUISITES section. The ***exact version specified*** under PREREQUISITES must be installed. This version of Vibrata will not work with any other Runtime. The MATLAB Runtime is freely available from the Mathworks website at https://www.mathworks.com/products/compiler/matlab-runtime.html.
3. If you plan to use custom solvers, install one of the supported **MATLAB** versions listed in the PREREQUISITES section.

4. Install the **Sentinel RMS** license server if this has not already been installed at your site.
5. Install **Vibrata** with administrator privileges (*Run As Administrator*). If you do not, Vibrata may not launch and you will need to refer to the Troubleshooting section below.
6. Prior to launching Vibrata, set up the license using the instructions further down in this document.

The default installation directory is `C:\Apps\Vibrata_v5.3.x`.

Several configuration steps must take place prior to running Vibrata. The installer should perform all of these steps except for the license setup for you automatically. If Vibrata does not launch successfully after installation, please read through the Troubleshooting section below.

You can install Vibrata silently (no GUI and no prompts) by running it with the `/S` flag. You can specify the installation directory with the `/D=<dirname>` flag. See section 8.3.1 of the user guide for details.

Reading the documentation

Documentation for Vibrata is provided in the `user_guide` subdirectory of your Vibrata installation. The documentation is provided in PDF format, which can be viewed by any PDF viewer such as Adobe Acrobat Reader.

There is a link to the documentation in *Start* | *Vibrata 5.3.x*.

Setting up the license

Prior to using Vibrata, you must contact ATA to obtain a valid license file. You also need to have the Sentinel RMS license server installed. This is provided in a separate package with separate installation instructions.

Prior to using Vibrata, you must set an environment variable that points to the correct license server. You can set this environment variable in **Settings | Control Panel | System**, and finding the area to set environment variables. The exact location differs by platform.

Note that you will need to start a new MATLAB session for the environment variable change to take effect.

You can set one of two license variables: `LSHOST` or `LSFORCEHOST`. If you have a single Sentinel RMS server on your network, or your license server is on a different subnet, ATA recommends setting `LSFORCEHOST`. If you have multiple servers, use `LSHOST`. The `LSHOST` environment variable specifies the order in which the client should check the license servers for a license.

If setting `LSFORCEHOST` (recommended), set it to the name of your license server. Only one server may be specified.

```
server
```

If using `LSHOST`, set the environment variable to the hostname of the license server. The server names are separated by a tilde (**~**), and the special server name `no-net` should be prepended to the list. For example, if you have two servers (`server1` and `server2`), set it to

```
no-net~server1~server2
```

where `server1` and `server2` are the names of the license servers.

You can use the `WlmAdmin` application (RMS License Administration in the *Start* menu in the ATA Engineering Software Support folder) included in the top-level Vibrata installation directory to

check the status of the licenses. When the GUI opens, open the Subnet Servers tree on the left-hand side. You should see your license server listed. If you open that, you will see your licenses and related information listed. If you do not see your server listed, you can enter the server manually under Edit | Defined Server List, and you can query it by opening the Defined Servers tree.

Troubleshooting

If Vibrata fails to launch, please read Section 8.5 of the Vibrata User Guide, which you can find in your installation. You can also find a link to the manual on our website at http://www.ata-e.com/software/ata-software/.

RELEASE NOTES

New capabilities

Please see the revision history in the documentation for other new capabilities and more details.

Security Disclosure

We take security issues seriously and welcome responsible disclosure of any security vulnerabilities you may find in Vibrata. Please email security@ata-e.com with all reports. Include Vibrata version, the vulnerability description, and reproduction steps in your report and we will address it as soon as possible.