

Vision 4.1.0 Web Installation Instructions

Extremely Important: Vision 4.1.0 Web Installation is available for Precision LC, Premier II, RT66B, FH, FP, FH100 and RT66I Testers. There is no Version 4.1.0 yet available for the Precision Workstation or Precision Premier Testers. Any tester with a USB connection to the host computer may be updated. Any tester with an internal CPU must continue to operate Vision 3.2.0. Announcements will be made on this website when Vision 4.1.0 is available for download to Precision Workstation and Precision Premier Testers.

Introduction

Welcome to the Vision 4.1.0 installation site. Vision 4.1.0 has been shipping with new testers since mid-February 2008. This web installation is provided as an update for users with Version 3.2.0 (or earlier) loaded onto their host computers or for prospective customers who want to install the program for evaluation. There are two possible types of installations:

1. Initial installation. This is an installation on a host without Vision previously installed. The intent may be to add Vision to a second (or more) host computer for use with an existing tester. It may also be used by individuals that want to evaluate and/or learn the program before purchasing a tester.
2. Version 3.2.0 Upgrade. This is for host computers that have been controlling a tester with the previous edition of Vision. This also applies to any older versions of Vision, but not to versions that are running on Precision Workstation or Precision Premier Testers.

Vision 4.1.0 installation involves downloading and running the full installer, then updating the driver files.

Tester users that have purchased Custom Tasks, including Piezo, the Chamber Task suite, Piezo-D or Custom Measurement will need to perform additional download steps, as described below. Anyone may download these Tasks, but they cannot be configured or executed unless they have been purchased.

Instructions

These are the initial steps for all installation types. **Note that all installation files must be run before any tester is connected to the host computer:**

1. Stop Vision if it is running.
2. Download the Vision.exe installer to the host computer desktop and run it. This is a large installation and will be lengthy. The installation may appear to hang. Please be patient.
3. From the Version 4.1.0 installation web page, download and run UPDATE_Driver.exe.
4. From the Version 4.1.0 installation web page, download and run UPDATE_W2000.exe or UPDATE_XP_Vista.exe.
5. If you own custom Tasks, go to Version 4.1.0 installation web page, download and run the appropriate custom Task file (example Piezo.exe).
6. Start Vision and check its operation. **NOTE: If Vision 4.1.0 fails to start and produces an error message of any sort, it is likely that there are Vision 3.2.0 Tasks remaining in the program path. In the Windows Explorer, go to C:\Program Files\Radiant Technologies\Vision\System. Sort by date, oldest file first. Look for any *.vld file older than 3/10/08. Delete these files and restart Vision. This will be uncommon.**

Additional Information

1. **If you are installing Vision for the first time:** go to C:\NGS_Documents and review the installation documents and training outline.
2. **If you own custom Tasks:** The Version 4.1.0 will remove all custom Tasks (Piezo, the Chamber Task suite, etc.). It will not replace those Tasks. If you own a custom Task, you must go to the Version 4.1.0 installation web page and download and run the executable file for the Task(s) that you own. (Example: Download and run Piezo.exe.) Note that Vision must be stopped before adding the Tasks.
3. **If you are updating a Vision 3.2.0 (or older) installation:** the Vision 4.1.0 installer will make a copy of the old installation in C:\Program Files\Radiant Technologies.3.2.0. In case of problems with the Version 4.1.0 installation, the old program can be restored from that folder.

4. **If you are updating Vision 3.2.0:** the installer will preserve any files that have been added since the first installation. That includes the Security.sec file for owners of custom Tasks. It also includes any DataSets that have been created.
5. **The Vision Help pages include a page named “What’s New for Vision 4.1.0”.** Review that page for detailed discussion of all new elements in Version 4.1.0.
6. **Future Updates:** Vision 4.1.0 will change very slowly. However, the hardware driver and individual Tasks may be improved often. Please check the update links at www.ferrodevices.com frequently to keep your installation up-to-date.

Folders Created by the Vision 4.1.0 Installer

These folders are created or updated by the Vision.exe installer. Most are the same as in Version 3.2.0, but with updated utility.

- C:\DataSets – This is the default directory for all Vision DataSets. It comes with tutorial DataSets that may be registered into Vision and used for training. The set of Tutorial DataSets has been greatly expanded and improved. This folder no longer contains the Word '97 template files. These are not needed for general Word exporting.
- C:\NGS Documents – This folder contains the Word files that are shipped, as printed documents, with new testers. These include instructions for installing Vision and the testers, instructions for hooking testers up to samples and accessories such as the High-Voltage Interface/High-Voltage Amplifier and an outline that is followed during onsite Vision training. That outline can serve as introductory Vision training guide, but does not replace thorough review of the Vision help pages.
- C:\NGS Documents\Application Notes – This folder contains a variety of application notes that cover measurements, custom Test Definition and ferroelectric theory. Several of the notes are amplified by Customized Tests that are installed by Vision.exe and available from the “Customized Tests” folder in the Vision Library.
- C:\Program Files\Radiant Technologies\Vision – This folder holds the main Vision program (VisionPro.exe) and several of the DLLs that the program needs to operate.
- C:\Program Files\Radiant Technologies\Vision\Help – This folder holds the HTML (*.chm) files that make up the Vision help pages. The Main Vision help document is located here. The remaining files are specific to the Vision Tasks.

- C:\Program Files\Radiant Technologies\Vision\System – This folder contains the Vision Task DLLs (*.vld) and Customized Test files (*.udt). Several Customized Tests are included in conjunction with the Vision tutorials and application notes.
- C:\Program Files\Radiant Technologies\Vision\System\Notes – Vision 4.1.0 offers a Notes tool that allows a DataSet Archive to be documented at any time after execution. The files for two example notes, associated with tutorial DataSets, are included in the installation.
- C:\Program Files\Radiant Technologies\Vision\System\TC – This folder holds DLL files that are particular to various thermal controllers. These DLLs export functions that are called by the GPIB Set Temperature Task and the Chamber Task suite to communicate with the Chambers. The THController.dll represents a generic interface that can be replaced by the user to control any thermal instrument.
- C:\RT_USB – This folder contains the Vision hardware driver system files that are required to operate the tester. The NGS.inf file is the tester installation file that is used by Windows to install the tester when it is first connected. Several other required files are included in this directory. These files may be updated when running the driver update Self-Extracting Executable files downloaded from the website.
- C:\User-Printable Help – This folder includes two files for each of the Vision help pages. These are a Word document and a PDF file created from it. These files are up-to-date, but may be updated from the Help update location on the web update site.