

DirectRT v2020, © 2020 Empirisoft Corporation
Please visit us at <http://support.empirisoft.com>

Note: If you wish to skip reading this now, feel free. You can always view it later in the *Setup* section of the users guide or in the *readme.pdf* file which will be located in the main *DirectRT* folder after the installation is complete.

System Requirements

DirectRT will run well on most computers running Windows 95, 98, ME, 2000, XP, Vista and Windows 7/8/10. It is recommended that systems running DirectRT have at least 512mb of memory, a high quality graphics card with at least 32mb of video memory and a processor speed of at least 500mhz. The log files that DirectRT produces will show you whether or not the computer in question can handle your experimental design.

You can tell which version of DirectX is installed on your machine by typing "dxdiag" from the run command on the Start menu. If DirectX is installed, doing this will tell you which version you are currently running. If you have version 9 or later installed, you can click on the "Display" tab to ensure that there are no problems or warnings given with regard to the compatibility between DirectX and your display adaptor (video card). If there are no warnings, then all should be ok. If you'll be using sound with DirectRT, you can do the same with the "Sound" tab.

Finally, it is also necessary to have a spreadsheet application installed (e.g., Excel) if you plan to edit or view the DirectRT input and output files on that machine--or if you plan to try the DirectRT on-line tutorials. All input and output files are created and saved in .CSV format which is editable from any standard spreadsheet application. See File Format for more details. You do NOT have to have a spreadsheet application installed simply to run the experiments and gather data. Note that users in a few countries may have to set their "Regional Settings" in the Windows Control Panel to that of the United States in order to correctly view and edit .csv files in Excel.

Backward Compatibility

If you are accustomed to using a previous version of DirectRT (v2000-v2018), you should be able to continue using v2020 without having to learn anything new. v2020 is backward compatible so that DirectRT experiments from all previous versions should run the same as they always have without requiring modification. In fact, the final release of DirectRT v2018 served as the starting point for the beta release of v2020. Of course, be sure to confirm compatibility for yourself with any old experiments prior to scheduling participants. As we continue to update v2020 with new fixes and features, we will post the changes on our support site at:

<http://www.empirisoft.com/support/forumdisplay.php/40>

Reinstalling DirectRT

If you are upgrading to a new version or want to re-install for other reasons, you will be asked to uninstall the existing version. Experiments, data folders, preferences, and licenses will *not* be affected by uninstalling. Of course, we recommend backing up experiment data before making any changes to your system. Typically, you will not need to request a new authorization code when doing this.

Security

To help control unauthorized distribution and use of DirectRT, it has been secured with ATX™ software protection. DirectRT will not run on any machine until this security has been disabled. To disable the security follow these steps:

- Install and run DirectRT.
- You will receive a message that the current workstation requires authorization to use the software, and a code number will be displayed.

- Email the code that appears to service@empirisoft.com. If you are an authorized user, you will receive a translation of this code which will be a registration number unique for the machine on which you have installed DirectRT (usually the same day). DirectRT should now be fully functional. If you are not yet an authorized user, you may still request a code which will allow you to use and evaluate DirectRT for up to 21 days. Important: ATX™ codes are unique to every machine. Be sure to get authorization for each machine that will be using the software. If you have any difficulty at all with this procedure, please contact us for assistance.

Convenience for Large Departments and Campus Installations

If you belong to an organization that has purchased a site license then we can hard code your department's IP patterns into our software so that ANY machine conforming to that pattern (e.g., 123.123.123.*) will start up right away. Note that only public IPs are eligible for this kind of authorization. New with v2020 is also the capability to hardcode your domain name in the same manner (e.g., psych.osu.edu). Ask service@empirisoft.com for details.