

PSIM (softkey stand-alone version) – Installation Guide

Installing PSIM

Note: You must have the administrative privilege to install PSIM, or ask your system administrator to perform the installation.

Before installing PSIM, you should have received the license file “psim.lic” from Powersim. Computer must be connected to the internet during installation.

1. If this is an upgrade, deactivate the previous version of PSIM.
2. Ensure that computer is connected to the internet. In the file folder installed from the download, run “setup.exe”
3. Follow the installation instructions. On the page “Select License Type”, choose “1 - Softkey version”. Then click on the button Select psim.lic file... to select the license file “psim.lic” received from Powersim.
4. When asked to specify the destination directory, choose the destination PSIM directory that is either new or empty. This version should not be installed into an existing directory containing an old version of PSIM.
5. After installation is complete, PSIM is activated by running the PSIM software. Make sure that the computer is connected to the internet when activating PSIM.
6. If your license includes the MagCoupler or MagCoupler-RT Module, proceed to the next step. Otherwise, the installation is complete.
7. In PSIM, go to Options >> Set Path and add JMAG folder to the PSIM search path. For example, if JMAG is in “c:\program files\JMAG-Designer13.0”, add this folder to the PSIM search path.

PSIM is restricted to two computer registrations at a time (computers must be registered with Powersim). The two computer registrations are automatic once the license is activated. Please contact Powersim if you need to remove a computer ID to replace with a new one (ie: if you buy a new computer).

Once registered, an internet connection is no longer required. You will not be able to run the software concurrently on both softkey standalone installs, to switch computers you will need to manually release the license and reactivate with an internet connection.

To deactivate PSIM from a computer, in PSIM, select Options >> Deactivate. Make sure that the computer is connected to the internet when deactivating PSIM. Once PSIM is activated on a computer, internet connection is no longer needed. Please note that simply closing PSIM does not deactivate the license.

For additional information on installing and running PSIM, please refer to the file “readme.pdf” which is located in the “doc” folder in the PSIM installation folder.

WARNING: Before you reinstall Windows, change the hard disk, or change to a new computer, you **MUST deactivate PSIM from the computer first**. Otherwise the license will be lost and you will not be able to activate the software afterwards. If you did not remember to deactivate PSIM, please contact Powersim.

Registering Computer

PSIM softkey version can only be activated/deactivated on registered computers (maximum of 2 registrations at a time). In order to run PSIM on a computer, the computer must be registered with Powersim first, and the first two registrations are automatic. If you need to register a new computer, run Computer ID from the PSIM folder of the Start menu, or you can click on the Computer ID file in the PSIM installation folder and run it. Then email the computer ID to Powersim at sales@powersimtech.com. A computer ID contains only the information of the computer hard disk ID, processor ID, and MAC address.

Computer ID's may be changed upon request only under the following circumstances: computer is lost or stolen, computer is reformatted, change of hard disk, or you wish to use PSIM on a new purchased machine.

License Period Information in Help >> About PSIM

Once the user checks out the license, one can run the license offline, without internet connection, for 7 days by default. After 7 days, it will reset, and PSIM will try to contact the Powersim server (via internet) and reactivate (check out) the license automatically. The process is transparent to the user.

The reason to set a default duration period of 7 days is to consider the fact that, if the computer is lost or stolen, or if the computer is crashed and Windows needs to be installed or some hardware components are changed, the license will reset and will be released automatically. But if the user wants, we can set the duration to whatever one prefers.

Simulating a Circuit

To simulate the sample circuit “examples\dc-dc\buck.psimsch” in the PSIM directory, launch PSIM. Choose File >> Open to load the file. Then go to Simulate >> Run Simulation to start the simulation. After the simulation is complete, in the waveform display window, select waveforms for display.

Information Collected

The Powersim server records the computer ID when a user registers a computer. In addition, it records the login name and IP address information when a user activates PSIM. The information is for Powersim's internal license management use, and is kept strictly confidential. However, if you have concerns with the collected information, please contact Powersim or your local distributor before installing and running PSIM.