Node-Lock Licenses for VehicleSim Products

Mechanical Simulation Corporation produces and distributes software tools for simulating and analyzing the dynamic behavior of motor vehicles. The simulation packages are organized into families of products named BikeSim®, CarSim®, TruckSim®, and SuspensionSim®. These products are based on the simulation architecture named VehicleSim®.

All of the VehicleSim (VS) products require a license key to run. The license management is handled by FlexNet software, and VS products support several FlexNet license management methods. One of these uses a node-lock license file that is created for use on a specific machine.

This memo describes how to install or update a node-lock license for your VS product.

New Installation

For new installations of VehicleSim products:

1. Launch the newly installed VS product.

2. A **FlexNet License Finder** window will appear. Select the **Specify the License File** option then click the **Next** button.

> **Note** Mechanical Simulation will email you a license file for your computer. Make sure your license file is saved to your computer. The recommended location is c:\flexlm.

3. Click the **Browse** button to navigate to the location of the license file.

4. Click the **Next** button.

5. Press the **Finish** button to continue.

> **Note** If you receive a **Dialog Box** `Cannot find available license. CarSim cannot run,` This can be caused by pointing to the wrong file, the file is expired, the file is for an older version of the software, or the file does not match your computer. Email licensecontrol@carsim.com with the subject *<product> <version>* `Cannot find available license.` (E.g., `CarSim 9.0 Cannot find available license`). Attach the license file you are using, for example, `K100035.lic.` You will receive a response within one business day.

6. Assuming the license file matches your machine, a **License Settings** window appears to show the set of available features. To avoid viewing this window every time you start the VS

product, check the box in the lower-left corner: **Don't show this window when starting** (Figure 1).

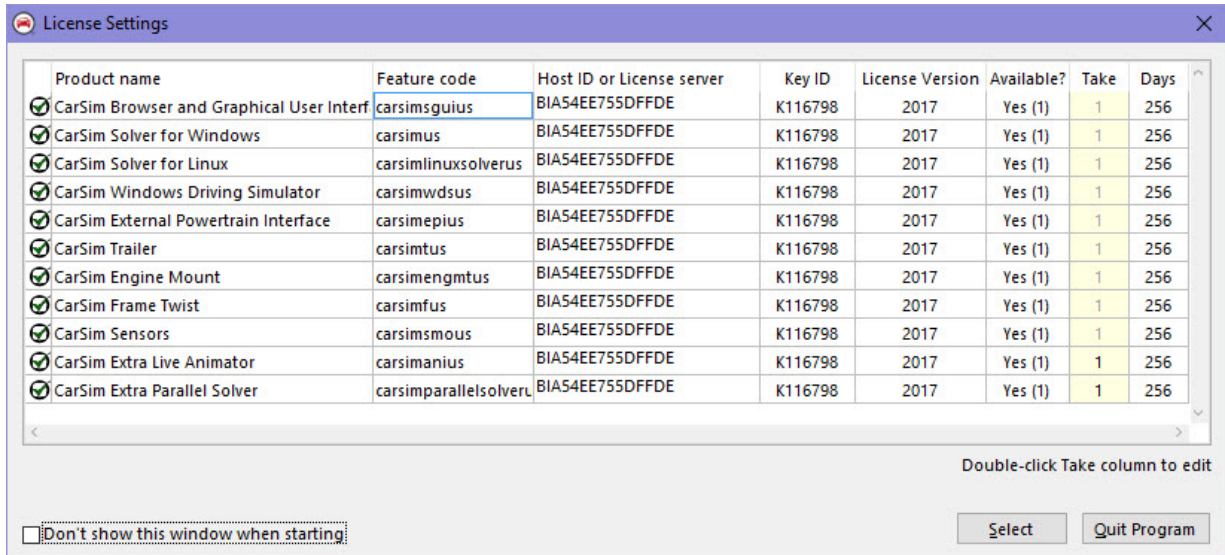7. Click the **Select** button to run the software.

Product name	Feature code	Host ID or License server	Key ID	License Version	Available?	Take	Days
✔ CarSim Browser and Graphical User Interf	carsimsguius	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Solver for Windows	carsimus	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Solver for Linux	carsimlinuxsolverus	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Windows Driving Simulator	carsimwdsus	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim External Powertrain Interface	carsimepius	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Trailer	carsimtus	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Engine Mount	carsimengmtus	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Frame Twist	carsimfus	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Sensors	carsimsmous	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Extra Live Animator	carsimanius	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256
✔ CarSim Extra Parallel Solver	carsimparallelsolveru	BIA54EE755DFFDE	K116798	2017	Yes (1)	1	256

Double-click Take column to edit

☐ Don't show this window when starting   Select   Quit Program

Figure 1. The License Settings window for a VS product (e.g., CarSim).

Product Upgrade

If you are upgrading a VS product and either of the first two digits of the version number is changing, for example upgrading from version 8.2.2 to 9.0, then you will need to update your license file. Minor updates, where the first two numbers are not changed, do not require an updated license file.

1. Launch the newly updated VS product.

2. If the software doesn't find a valid license a **License Problem** window will appear.

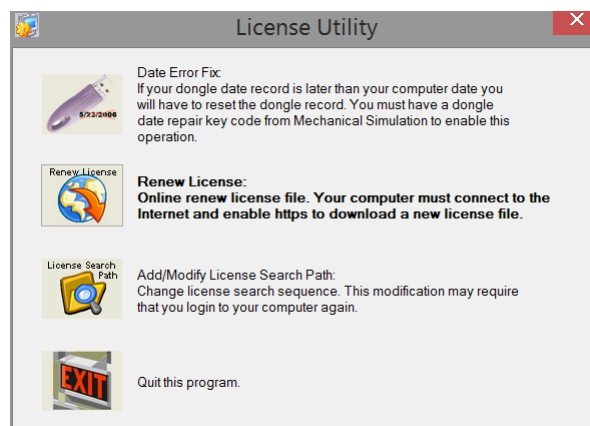3. Click the **Yes** button to launch the **License Utility** (Figure 2).

Figure 2. License Utility window.

4. Click the **Renew License** button (Figure 2). The **License File Renewal** window will appear.

5. Click `Find key ID from existing license file` and browse to your node-lock license file.
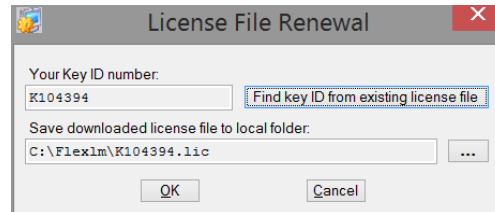

Figure 3. License File Renewal window.

6. Click the **OK** button. There will be a response message.

> **Note** If the download fails, email licensecontrol@carsim.com with the subject *<product> <version>* `License Key Download Failed.` (E.g., `CarSim 9.0 License Key Download Failed.`

7. Your upgraded VS product is now ready to run. Launch it.

8. A License Settings window appears to show your license and the set of available features. For example, (Figure 4) shows features for a specific CarSim installation. To avoid viewing this window every time you start the VS product, check the box in the lower-left corner: Don't show this window when starting.

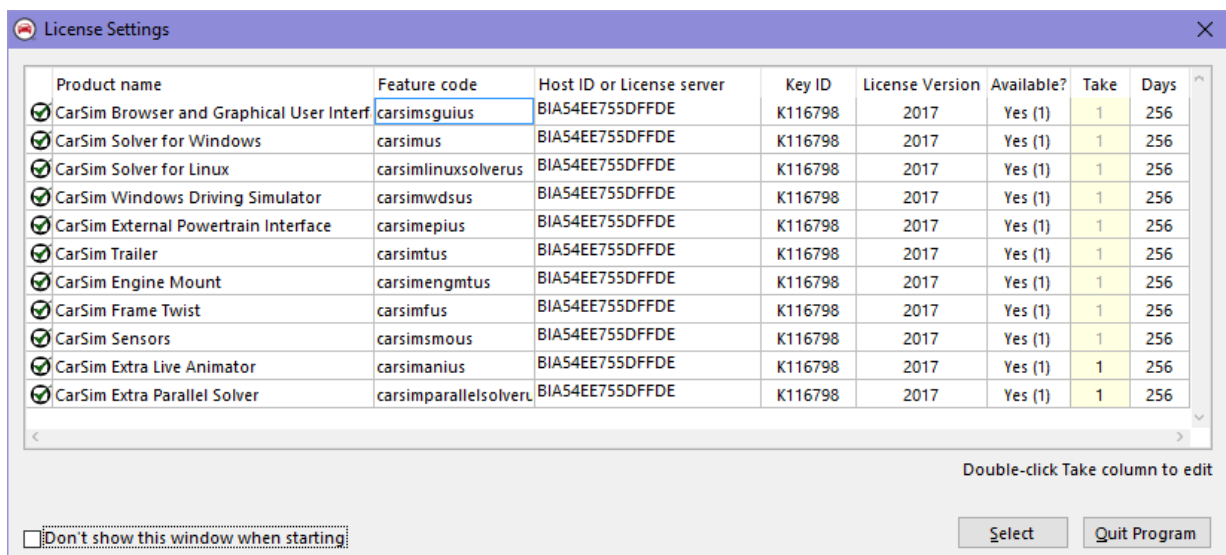9. Click the **Select** button to run the software.

Figure 4. The License Settings window for a VS product (e.g., CarSim).

Annual Key Renewal

Purchased VS product licenses are permanent. However, the license file expires after a year and must be renewed. This feature allows Mechanical Simulation to maintain an accurate customer and user database, enhance customer service, and ensure that all users have access to software upgrades. Multiple reminders are used to ensure that customers/users have an opportunity to renew the license key prior to expiration, thus ensuring uninterrupted access to the software. Forty-five (45) days prior to the license key expiration date, you will get a warning message when launching the software. Prior to expiration of a license key, you can use the "Renew License" feature to extend the key for another year.