

Solstice-TDS Software Download and Installation for MS Windows Platform

Create a Web Account

Using your web browser, navigate to www.tessi.com. The page should look similar to:



Figure 1: Typical TSSI Web Page

If you have a TSSI Web account – then login using the *Login* button at the top of the screen and enter your details. To create an account, click on the *Sign Up* button:

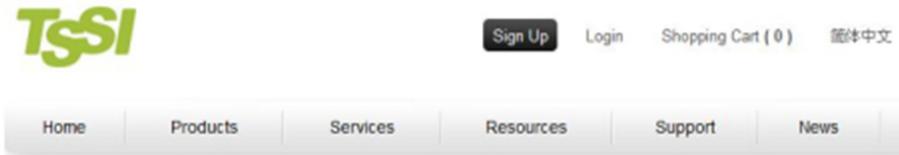


Figure 2: Sign Up button

The *Create an Account* form appears as shown below. Complete the form and click the *SIGN UP* button at the bottom of the form. You will typically receive an email from TSSI Order Entry (oe@tessi.com) within 24 hours.

Figure 3: Account Creation Form

Download Software

After logging in to your web account, navigate to the software download area. Click on the *Resources* button in the main navigation ribbon:

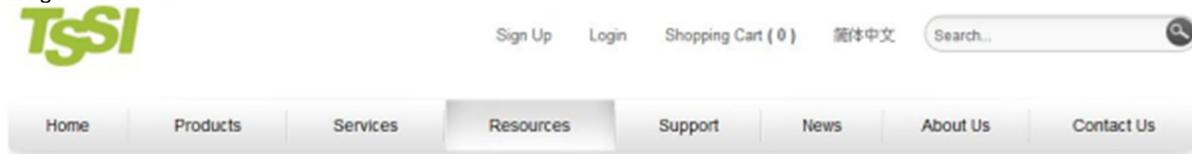


Figure 4: Resources button

The Resources page will appear. Click on the *TSSI Downloads* (login required) link, which is highlighted below:

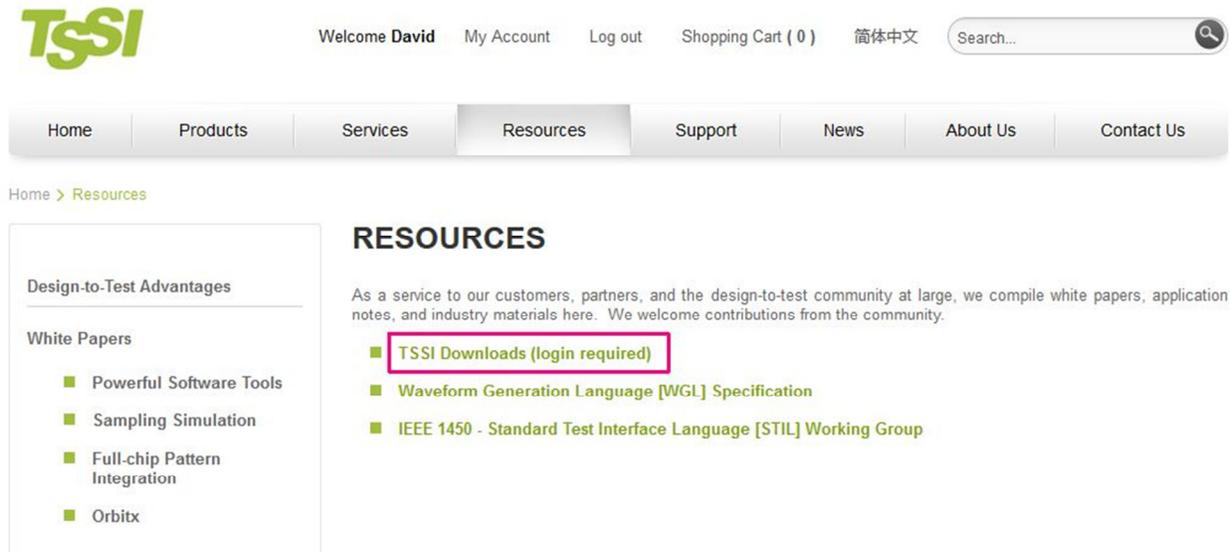


Figure 5: Resources Page

The Downloads Page will appear. Select the *Solstice-PV and Solstice-TDS* from the menu, highlighted below, to display a list of options for this choice:

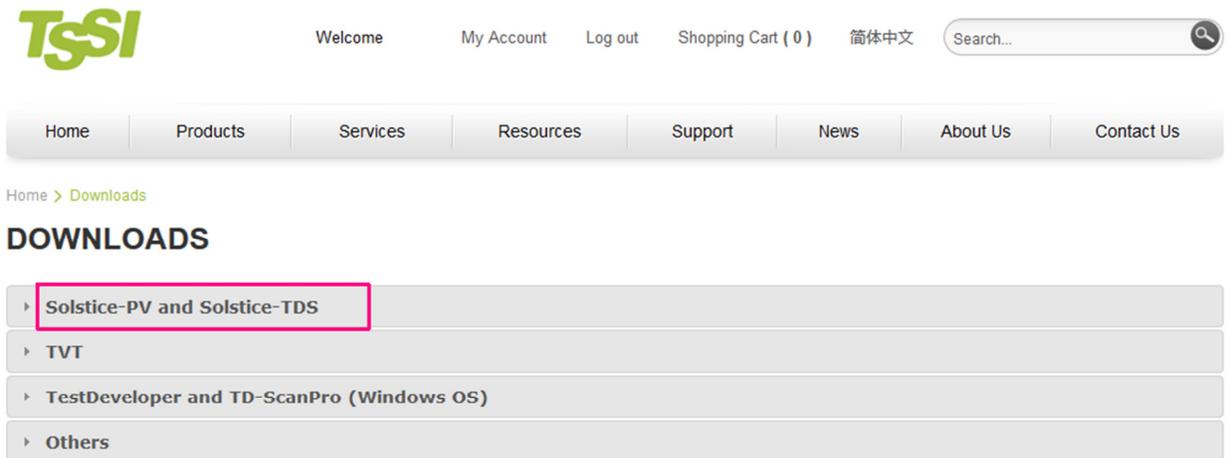


Figure 6: Downloads Page

The menu will open. Click on the appropriate software version zip archive from the list on the right-hand side. The diagram below shows a typical screen – note that the software version may be different depending on what software has been purchased and/or release version. Save the software to local disk location.

The screenshot shows the TSSI website's Downloads page. At the top, there is a navigation bar with the TSSI logo, links for Welcome, My Account, Log out, Shopping Cart (0), and 简体中文, and a search bar. Below this is a secondary navigation bar with links for Home, Products, Services, Resources, Support, News, About Us, and Contact Us. The main content area is titled 'Downloads' and features a dropdown menu for 'Solstice-PV and Solstice-TDS'. Under this menu, there are several download options listed with green square bullet points. The second option, 'Solstice for Aemulus Windows Release [2017.1.1 (Build r3762) August]', is highlighted with a red rectangular box. To the left of the list, there is a section for 'Download Notes' and 'Pricing and Licensing Agreement'.

Home > Downloads

DOWNLOADS

▼ Solstice-PV and Solstice-TDS

Download Notes: Solstice product line is a single downloadable binary tar or zip file depending on the operating system you've subscribed for. Modules are activated by license key(s) purchased.

Pricing and Licensing Agreement:

- [Click to view agreement...]

Release Notes for both Linux and

- Solstice-TDS Official Linux Release [2017.1.2 Build r3852 - December]
- Solstice for Aemulus Windows Release [2017.1.1 (Build r3762) August]
- Solstice for Teradyne Windows Release [2017.1.1 (Build r3762 - August)]
- Solstice for Chroma Windows Release [2017.1.1 Build r3762 - August]

Figure 7: Download Options

Install Software

Install Solstice-TDS software (Windows)

Note: Installations steps will probably need elevated Windows privileges - choose the *Run As Administrator* command from the shortcut menu for appropriate Windows functions. If you need assistance, contact your IT department.

Move the downloaded zipped tar file from the downloaded location to an appropriate location on your Windows file system and extract the file. The location should be read/execute-accessible by all Solstice users. Use standard Windows commands to extract files from the zipped tar file, for example:

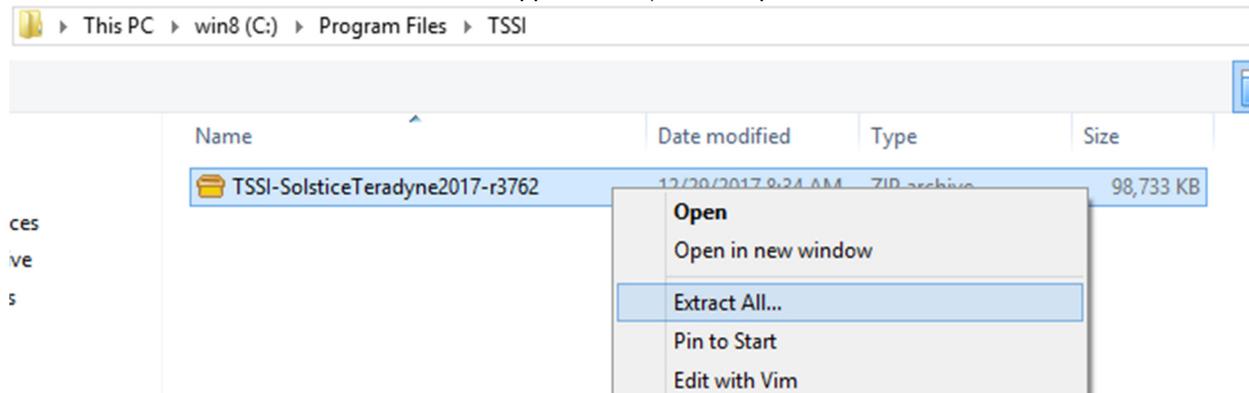


Figure 8: Extract files from ZIP file

This will create a subdirectory with all the Solstice and RLM License File Manager files required.

License Manager (Node-locked License)

TSSI software on the Windows platform uses the RLM license manager. Normally, your System Administrator will assist with installation of the RLM.

Provide Host Identifier to TSSI

If you do not have a license file, provide the *Physical Address* information to TSSI Order Entry (oe@tessi.com). Start a command window and enter one of the following commands as shown in Figure 9 (note that only relevant information is shown in the graphic). The redirect command (`ipconfig /all > ipconfig.txt`) will store data in a file called `ipconfig.txt` in the current working directory.

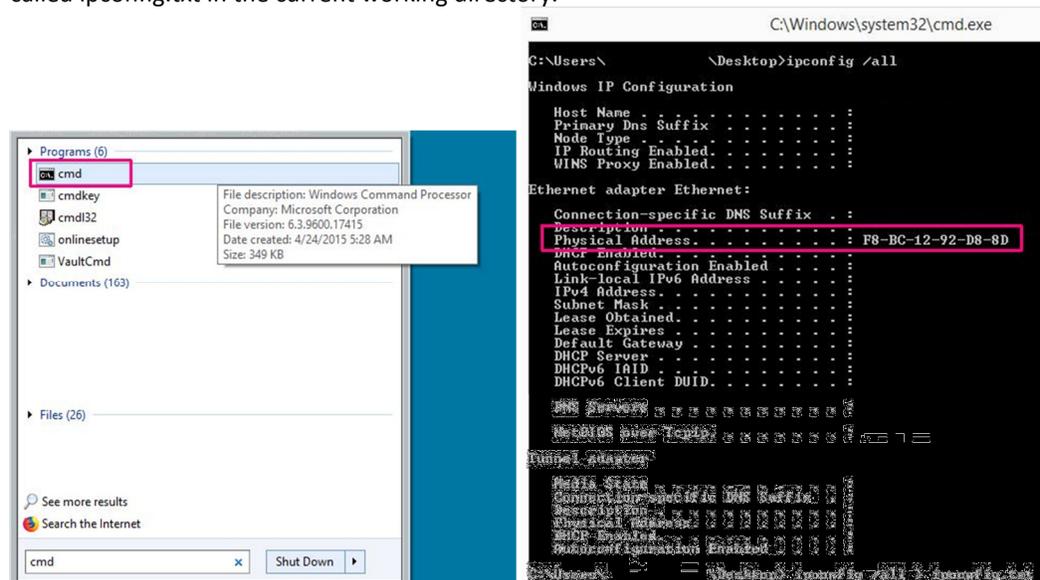


Figure 9: Starting a Command window and entering appropriate ipconfig command

Alternatively, in the “licenses” folder, type the following command at a command prompt:
rlnutil rlmhostid -q ether

This will display a list or more MAC addresses, like this: 28fec83af699 or this: 28fec83af699 32001520e9a0 32001520e9a1

If rlnutil displays two or more numbers, then please send TSSI the first one in the list.

Environment Variable

The PC will need a special environmental variable to point to the applicable license file. After receiving your license file from TSSI, move to an appropriate location.

To set the environmental, right-click on *ThisPC* icon, select Properties and then in the Windows Basic Information page, click on *Advanced system settings*. For Windows 10, you may need to scroll down to the *Related settings* section and click the *System info* link and in the System window that opens, click the *Advanced system settings* link in the left column.

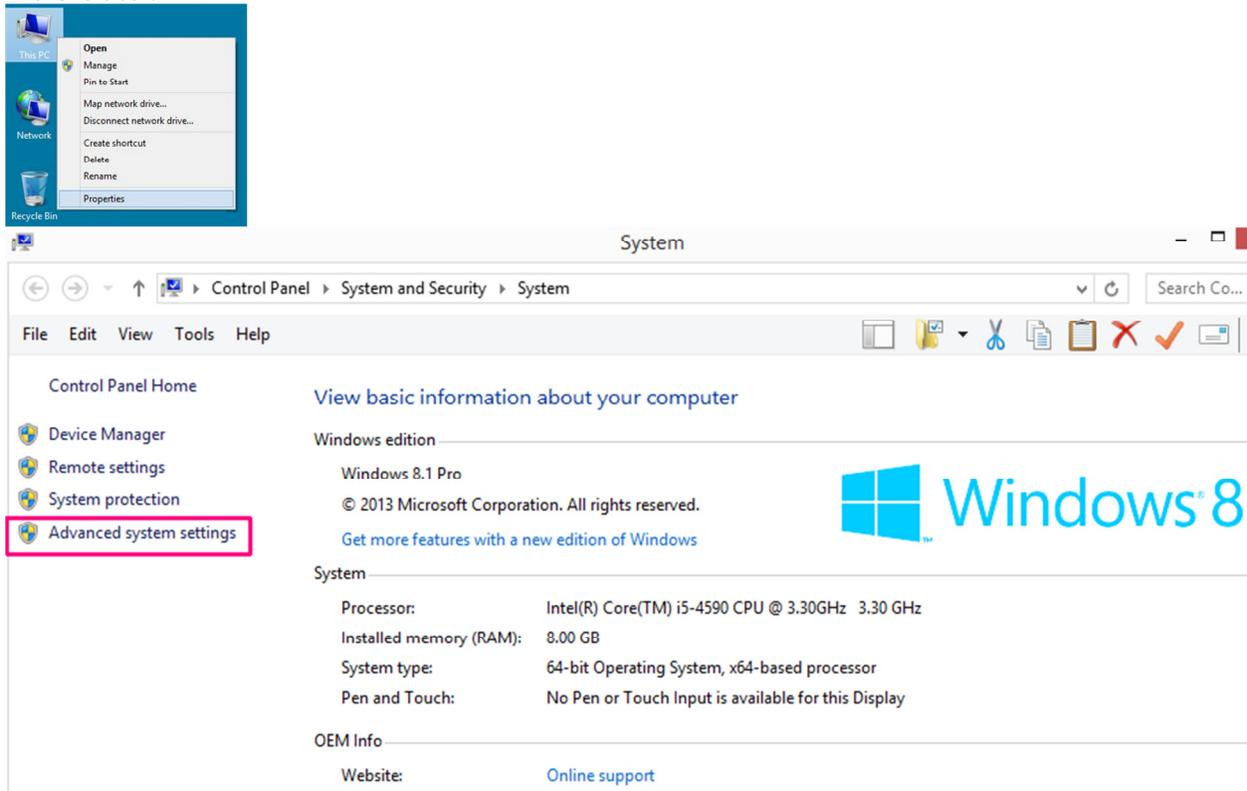


Figure 10: Open the Windows System Information Page

Click on *Environment Variables* button in the Windows System Properties popup:

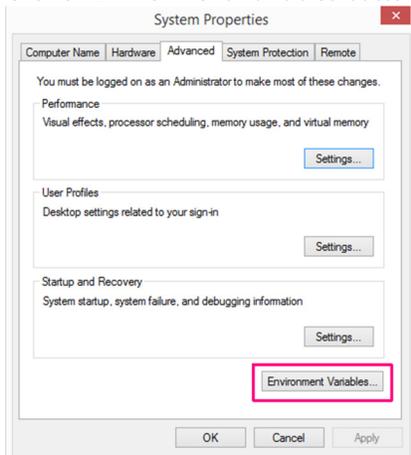


Figure 11: Windows System Properties Popup

Click on *New* button under *System variables* within the *Environmental Variables* popup:

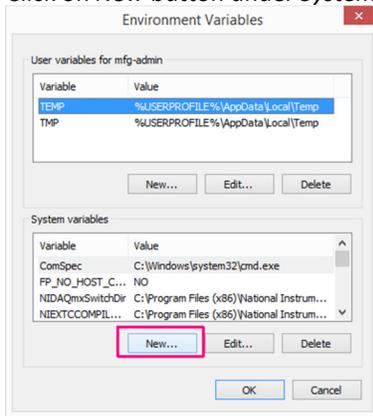


Figure 12: Windows Environmental Variables Popup

Enter *RLM_LICENSE* for the *Variable name* and the path and name of the license file under *Variable value*. Click OK in all open Popups to close all.

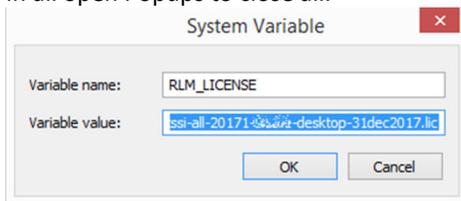


Figure 13: Create the *RLM_LICENSE* Variable

License Manager (Floating License)

TSSI software on the Windows platform uses the RLM license manager. Normally, your System Administrator will assist with installation of the RLM.

Provide Host Identifier to TSSI

If you do not have a license file, provide the *Physical Address* information to TSSI Order Entry (oe@tessi.com). Start a command window and enter one of the following commands as shown in Figure 9 (note that only relevant information is shown in the graphic). The redirect command (`ipconfig /all > ipconfig.txt`) will store data in a file called `ipconfig.txt` in the current working directory.

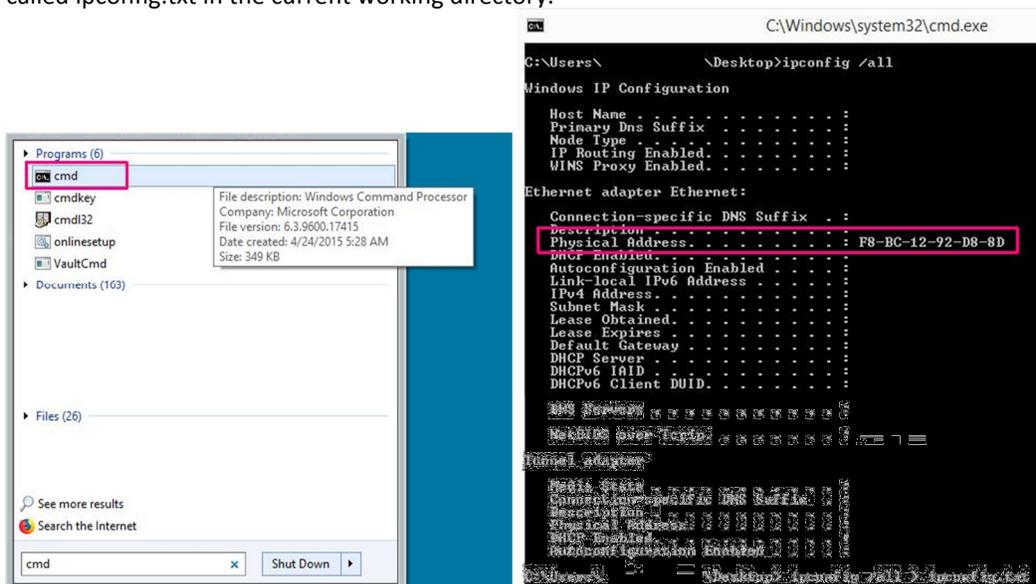


Figure 14: Starting a Command window and entering appropriate ipconfig command

Alternatively, in the "licenses" folder, type the following command at a command prompt:
rmutil rlmhostid -q ether

This will display a list or more MAC addresses, like this: 28fec83af699 or this: 28fec83af699 32001520e9a0 32001520e9a1

If rmutil displays two or more numbers, then please send TSSI the first one in the list. If you know the Windows Computer name and desired port number, please also provide this information to TSSI.

Environment Variable

For general assistance with RLM software, visit the web site: www.reprisesoftware.com

Every PC that will run TSSI software will need a special environmental variable to point to the applicable port number and license-server name. After receiving your license file from TSSI, edit the port number and license-server name as needed. The following is what a typical completed license file should look like:

```
# Solstice RLM license (CustomerName's CustomerPC)
#
#-----
# tdsGUI package PC Name Port
#
HOST CustomerPC d4c9ef608beb 8800
ISU tssi
LICENSE tssi wavenaker_mt 2018.0 31-dec-2018 1 start=02-jan-2018
_ck=a4d6bc2f8c sig="60P0452UPNPUJJPUDDK3DANJDAS38EYR3R60K5022HPTUY3Q
10QDF7RAYUJTQDTU0REEM6NG74"
LICENSE tssi wavenakerplus 2018.0 31-dec-2018 1 start=02-jan-2018
_ck=28d6bc7636 sig="60PG4580JCST047F857GY7PTM6J2X9CQUCFU09SH00A3JA7J
047Y7JS6FUTQKSX0R3UUH0YH8NF0"
#-----
```

Figure 15: Example floating-license file

For every User and/or PC, you should set the environmental to point to the port and server. To set the environmental, right-click on *ThisPC* icon, select Properties and then in the Windows Basic Information page, click on *Advanced system settings*. For Windows 10, you may need to scroll down to the *Related settings* section and click the *System info* link and in the System window that opens, click the *Advanced system settings* link in the left column.

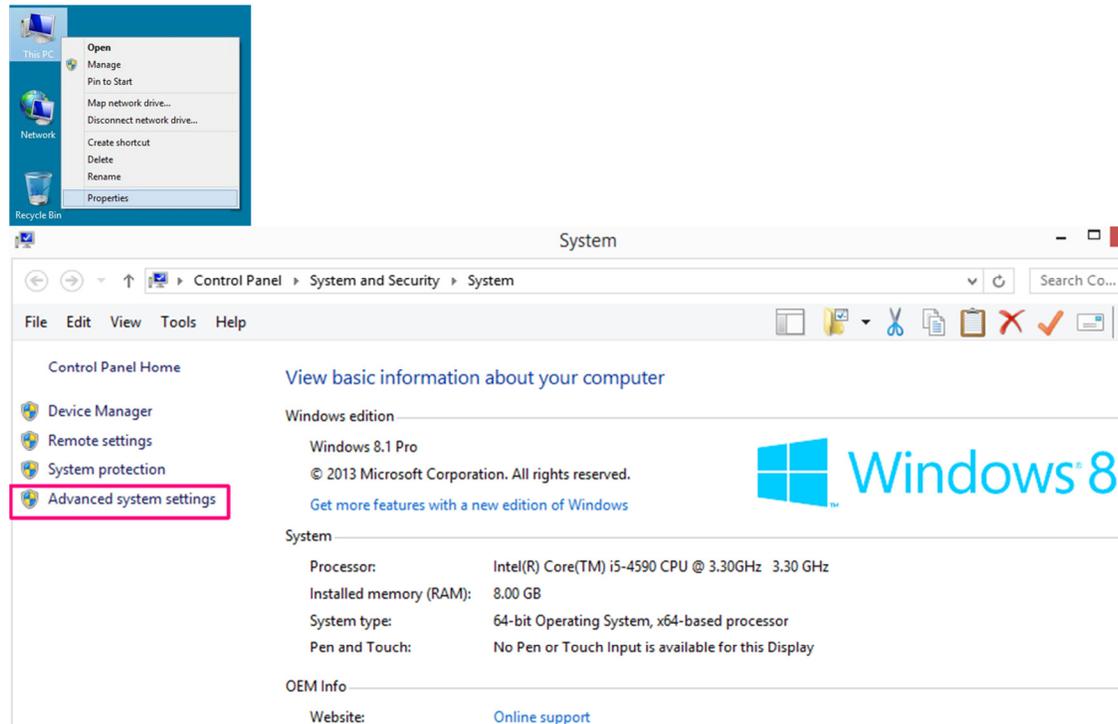


Figure 16: Open the Windows System Information Page

Click on *Environment Variables* button in the Windows *System Properties* popup:

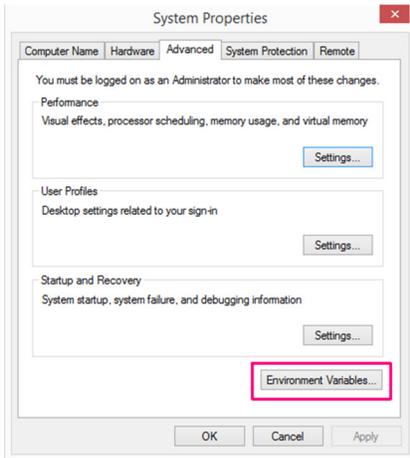


Figure 17: Windows System Properties Popup

Click on *New* button under *System variables* within the *Environmental Variables* popup:

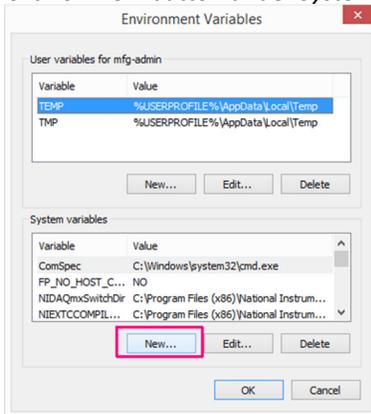


Figure 18: Windows Environmental Variables Popup

Enter *RLM_LICENSE* for the *Variable name* and the port number and server name under *Variable value*. Click OK in all open Popups to close all.

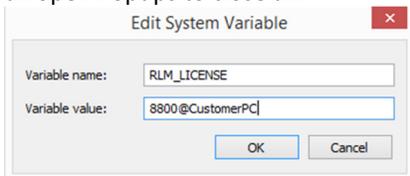


Figure 19: Create the *RLM_LICENSE* Variable

License Server Process

For general assistance with RLM software, visit the web site: www.reprisesoftware.com

TSSI provides a Windows batch file to assist with starting the license server. TSSI recommends starting and stopping the RLM server process to ensure the system and license file are set up correctly. Then start the Windows Service to run the license manager process in the background, a similar concept to a UNIX daemon.

Manually Starting and Stopping the License Server Process

Copy or move the license file to licenses directory. In this directory is also the tssi_rlm.bat batch file.

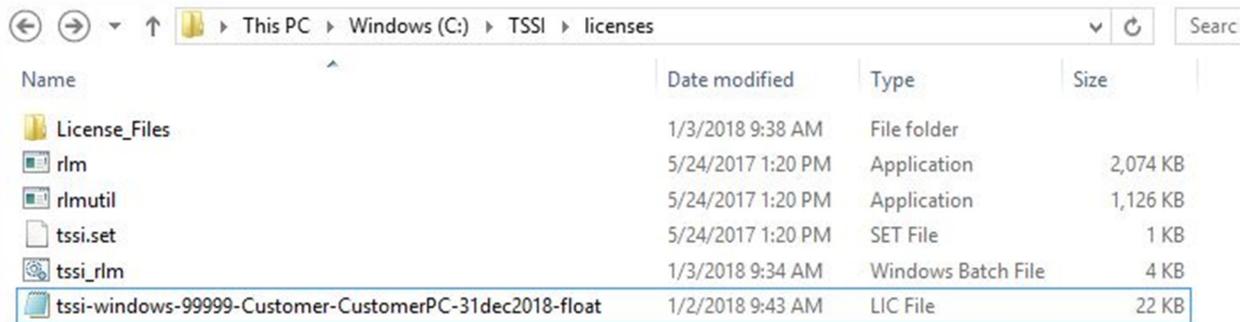


Figure 20: The TSSI licenses folder

Start a command window as an administrator.

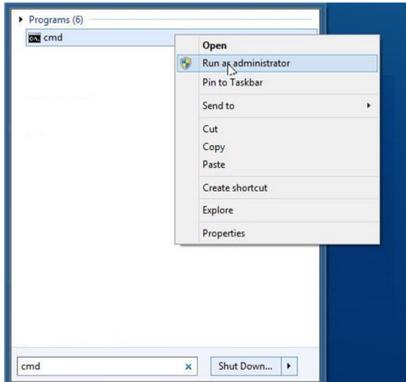


Figure 21: Start the Windows Command Window

In the command window, navigate to the licenses directory and start the license server with the command:

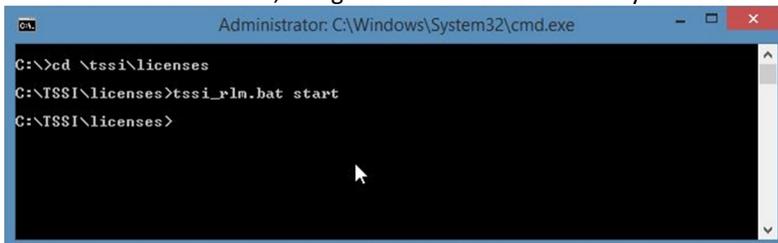
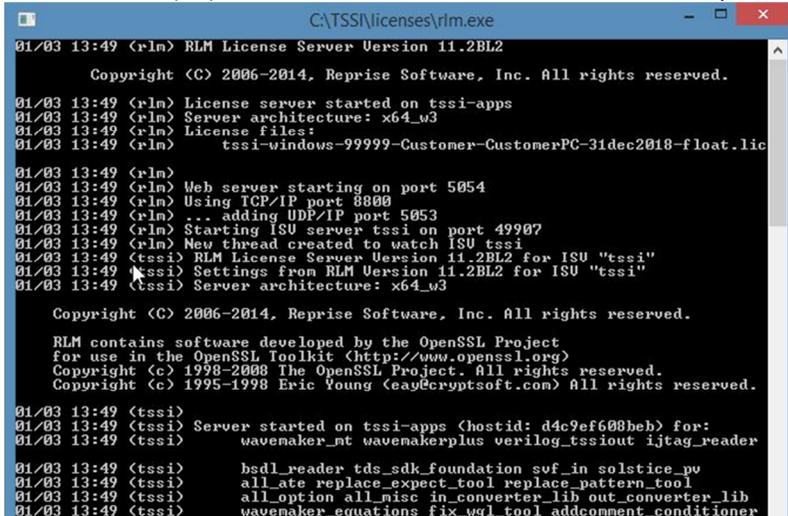


Figure 22: Start the TSSI License Manager

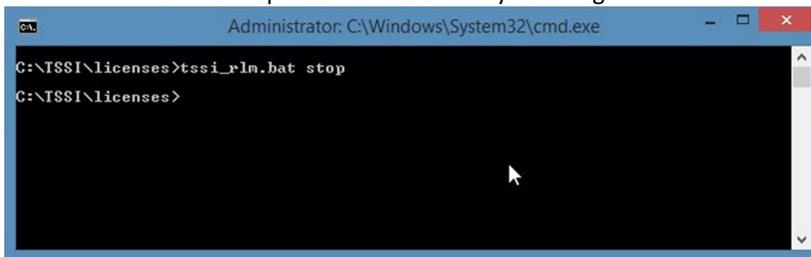
The license file (.lic) will be read and the server should start in a separate window.



```
C:\TSSI\licenses\rlm.exe
01/03 13:49 <rlm> RLM License Server Version 11.2BL2
Copyright (C) 2006-2014, Reprise Software, Inc. All rights reserved.
01/03 13:49 <rlm> License server started on tssi-apps
01/03 13:49 <rlm> Server architecture: x64_w3
01/03 13:49 <rlm> License files:
01/03 13:49 <rlm> tssi-windows-99999-Customer-CustomerPC-31dec2018-float.lic
01/03 13:49 <rlm>
01/03 13:49 <rlm> Web server starting on port 5054
01/03 13:49 <rlm> Using TCP/IP port 8800
01/03 13:49 <rlm> ... adding UDP/IP port 5053
01/03 13:49 <rlm> Starting ISU server tssi on port 49907
01/03 13:49 <rlm> New thread created to watch ISU tssi
01/03 13:49 <tssi> RLM License Server Version 11.2BL2 for ISU "tssi"
01/03 13:49 <tssi> Settings from RLM Version 11.2BL2 for ISU "tssi"
01/03 13:49 <tssi> Server architecture: x64_w3
Copyright (C) 2006-2014, Reprise Software, Inc. All rights reserved.
RLM contains software developed by the OpenSSL Project
for use in the OpenSSL Toolkit (http://www.openssl.org)
Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.
Copyright (c) 1995-1998 Eric Young (eay@cryptsoft.com) All rights reserved.
01/03 13:49 <tssi>
01/03 13:49 <tssi> Server started on tssi-apps (hostid: d4c9ef608beb) for:
01/03 13:49 <tssi> wavemaker_nt wavemakerplus verilog_tssiout ijttag_reader
01/03 13:49 <tssi> bsd_reader tds_sdk_foundation svf_in solstice_pv
01/03 13:49 <tssi> all_ate replace_expect_tool replace_pattern_tool
01/03 13:49 <tssi> all_option all_misc in_converter_lib out_converter_lib
01/03 13:49 <tssi> wavemaker_equations fix_wgl_tool addcomment_conditioner
```

Figure 23: TSSI License Manager running

Complete the *System Configuration* section below and check that WaveMakerPlus starts correctly. Close WaveMakerPlus and stop the license server by entering:

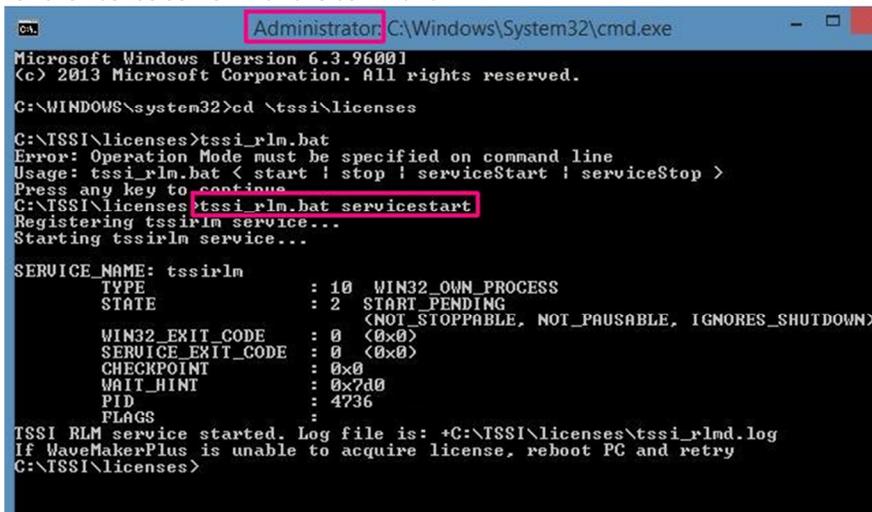


```
Administrator: C:\Windows\System32\cmd.exe
C:\TSSI\licenses>tssi_rlm.bat stop
C:\TSSI\licenses>
```

Figure 24: Stopping the TSSI License Manager

Starting and Stopping the Automatically-Starting License Server Process (a Windows Service)

Use the quick start batch file to start the license server as a windows service with defaults. Start a command window as an administrator and in the command window, navigate to the *licenses* directory and start the service for the license server with the command:



```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.
C:\WINDOWS\system32>cd \tssi\licenses
C:\TSSI\licenses>tssi_rlm.bat
Error: Operation Mode must be specified on command line
Usage: tssi_rlm.bat < start ! stop ! serviceStart ! serviceStop >
Press any key to continue.
C:\TSSI\licenses>tssi_rlm.bat servicestart
Registering tssirlm service...
Starting tssirlm service...
SERVICE_NAME: tssirlm
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 2   START_PENDING
                   (NOT_STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE      : 0    (0x0)
        SERVICE_EXIT_CODE   : 0    (0x0)
        CHECKPOINT          : 0x0
        WAIT_HINT           : 0x7d0
        PID                : 4736
        FLAGS                :
TSSI RLM service started. Log file is: +C:\TSSI\licenses\tssi_rlm.log
If WaveMakerPlus is unable to acquire license, reboot PC and retry
C:\TSSI\licenses>
```

Figure 25: Start the RLM as a Windows service

The windows service will start every time the PC is rebooted. If you need to stop the process, use the following command to stop the TSSI process and then the RLM process:



```
Administrator: C:\Windows\System32\cmd.exe
C:\TSSI\licenses>tssi_rlm.bat servicestop
Stopping tssirlm service...
SERVICE_NAME: tssirlm
        TYPE               : 10  WIN32_OWN_PROCESS
        STATE                : 1   STOPPED
        WIN32_EXIT_CODE       : 0    <0x0>
        SERVICE_EXIT_CODE   : 0    <0x0>
        CHECKPOINT          : 0x0
        WAIT_HINT            : 0x0
Deleting tssirlm service...
[SC] DeleteService SUCCESS
TSSI RLM service stopped and deleted.
C:\TSSI\licenses>
```

Figure 26: Stop the RLM Windows service

Updating license files by restarting the Windows Service

If you receive and need to use a new license file and are using Windows Service then replace the license file in the *licenses* folder and move or delete the old file and reboot the PC. Instead of a reboot, you can use restart the license manager process. Start the Services window as an administrator:

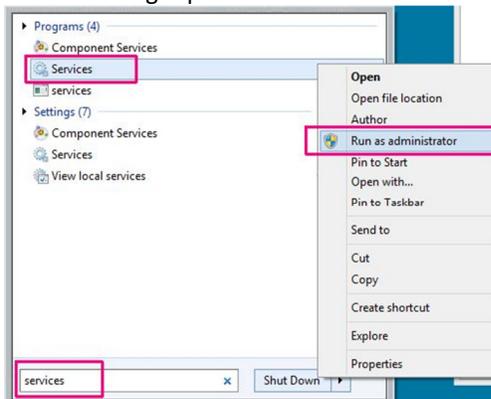


Figure 27: Start the Windows Service Window

In the Services window, located the appropriate process, *tssirlm* and select Restart from the right-click window:

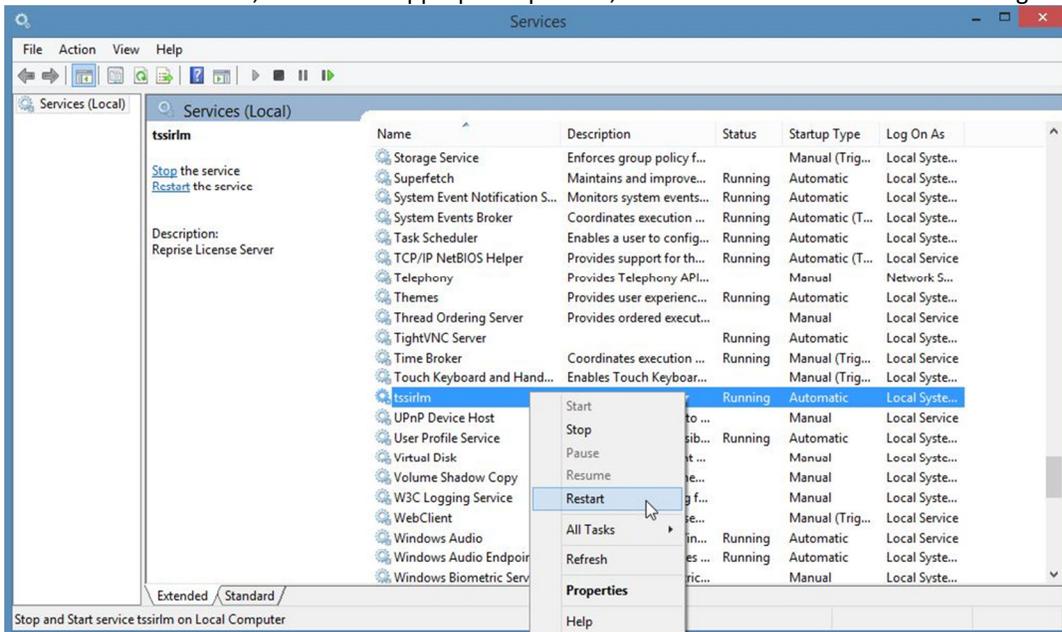


Figure 28: Restart the TSSI RLM Service

The new license file will be read and then used.

System Configuration

Configuring your system for Solstice operation consists of adding a convenient Windows shortcut for each user. The shortcut allows you to switch between Solstice versions and also set a start-in folder location which could be used a central location for translations.

Setting Up To Run Solstice

Select an appropriate location for your shortcut, for example your Desktop. Right-click and select *New->Shortcut*:

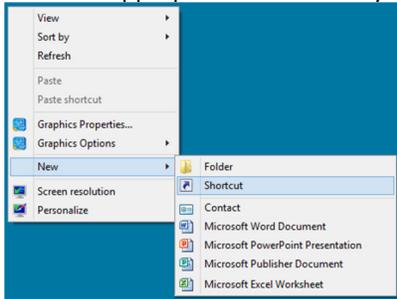


Figure 29: Create the new shortcut

In the Create Shortcut pop-up, click on the *Browse* button and navigate to the Solstice-TDS software installation location and click on the *Wavemakerplus* exe icon

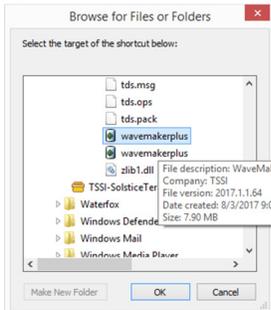


Figure 30: Click on wavemakerplus icon

Complete the Start In: field with desired start location. For example:

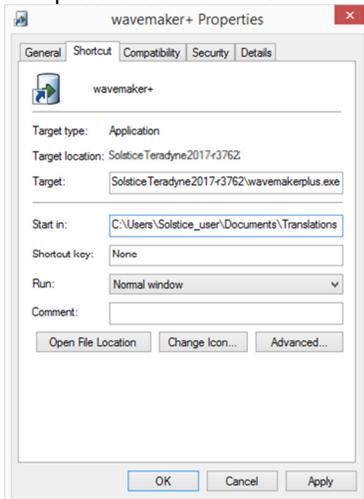


Figure 31: Complete the Start In location

TSSI recommends using Windows user names with no spaces in the user name.

Running Solstice

Double-click on the wavemakerplus icon created and the wavemakerplus GUI should appear:

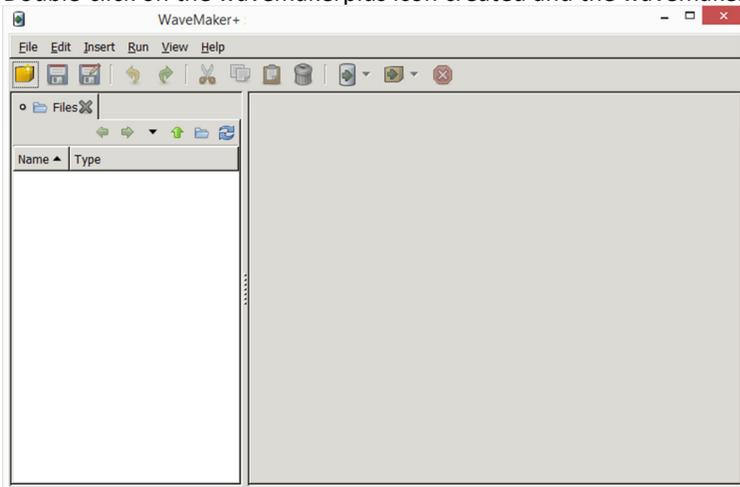


Figure 32: WaveMakerPlus GUI

Getting Help

Online help is available from the Help Menu within WaveMakerPlus:

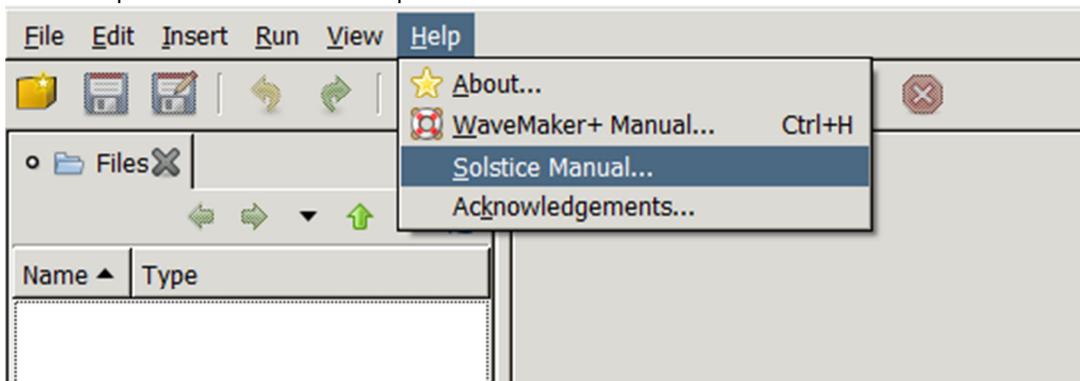


Figure 33: Accessing On-line Help

Getting Assistance

World Wide Web: <http://www.tessi.com>

For Technical Support:

E-mail	hotline@tessi.com
Toll Free (NA)	877-289-TSSI (8774)
International	+1 503-626-8806
Fax	503-626-8817