

# TI Software Installation and Activation Guidebook

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# Getting Started - TI Software Installation and Activation

This guidebook describes how to download, install, and activate TI software.

## ***Before You Begin***

Before you begin installing software, review the following check list.

- Verify that your computers meet the system requirements. Refer to the product literature at [education.ti.com/software/requirements](http://education.ti.com/software/requirements).
- Verify that you have administrator privileges.
- For licence types other than the Multi-Activation licence, verify that you have an Internet connection. (The Multi-Activation licence does not require an Internet connection.)
- Obtain licence number(s) or licence file(s). In this chapter, see *Obtaining Licences*.
- Verify that you have the TI software installer. In this chapter, see *Obtaining the TI Software*.
- If you are using a proxy server, set the environment variables before launching TI software. In this chapter, see *Setting Environment Variables for Proxy Servers*.

## ***Obtaining Licences***

Licences for TI software are obtained in different ways, depending on the licence type and the purchase method (online or DVD).

For a Single licence, the licence number is provided in the confirmation email or on the DVD sleeve.

For Volume, Concurrent, Multi-Activation, and School-Managed licences, follow these steps to redeem the claim number needed to create licence numbers or licence files.

1. Log in to your Software Service Centre account at [education.ti.com/go/softwarecenter](http://education.ti.com/go/softwarecenter).
2. Click **Redeem Claim Number**.
3. Type the claim number provided in your confirmation email and click **Redeem**.

The Licence Agreement web page is displayed.

4. Click **Accept**.

The Claim Number Redemption Successful web page is displayed.

5. Verify your order, including product name, licence type, and number of seats.

6. Click **Manage Licence Numbers**.

The Manage Licence Numbers web page is displayed.

7. Click **New Licence Number**, and then click **Manage Licence**.

The Allocate Activations web page is displayed.

8. For licences other than the Multi-Activation licence, type the number of seats that you want to allocate to the first licence number.

For example, if you have 30 seats total and want to allocate 10 seats to each of three licence numbers, type 10 for the first licence number.

9. Type a nickname, and click **Save**.

The Manage Licence Number web page is displayed with the licence number or with a download link to the licence file.

10. Repeat steps 8 and 9 until all seats are allocated.

## ***Obtaining the TI Software***

Use the information in this section to obtain your TI software.

The following installers are available for the TI software:

- Windows® .exe installers for individual installations
- Windows® .msi installers for use with deployment tools

**Note:** The .msi installer is intended for use with silent deployments. Dialog boxes are provided in English only.

- Mac® .pkg installers for individual installations and for use with deployment tools

To obtain the TI software, choose one of these options:

- ▶ If your purchase included a DVD, you can find the installer in these folders:
  - For the Windows® .exe and .msi installers, go to the \PC folder.
  - For the Mac® .pkg installer, go to the /MAC folder.
- ▶ If you purchased a Single licence online, go to the website provided in your confirmation email.
- ▶ For other licences purchased online, log in to your Software Service Centre account at [education.ti.com/go/softwarecenter](http://education.ti.com/go/softwarecenter).
  - a) In the menu on the left, click **Product List**.
  - b) Navigate to your software and click **Download Software**.

## ***Obtaining the TI-Admin Software***

To obtain the TI-Admin software, follow these steps.

1. Open a web browser and log into your Software Service Centre account at [education.ti.com/go/softwarecenter](http://education.ti.com/go/softwarecenter).
2. In the menu on the left, click **Installation** and download the current TI-Admin installer to a temporary folder on the licence-service computer.

## Obtaining Properties Files

Settings.properties and deployment.properties files are used for installations of Volume, Multi-Activation, Concurrent, and School-Managed licences.

To download the properties files, follow these steps.

1. Open a web browser and log in to your Software Service Centre account at [education.ti.com/go/softwarecenter](http://education.ti.com/go/softwarecenter).
2. In the menu on the left, click **Installation**.
3. Download the settings.properties and deployment.properties files and extract them in a convenient folder on a computer.

## Setting Environment Variables for Proxy Servers

If you are using a proxy server, you must set the environment variables before you can use the TI software.

The environment variables point to the proxy server and port so the licence can be activated.

### Setting Environment Variables on Windows®

To set the environment variables on Windows®, follow these steps.

1. Click **Start > Control Panel > System**.

(If you are using Windows® 7 or Windows Vista® and are navigating from the Control Panel main window, click **System and Security > System**.)

The System Properties dialogue box opens.

2. Click the **Advanced Systems Settings** tab.
3. Click **Environment Variables**.

The Environment Variables dialogue box opens.

4. In the System Variables area, click **New**.

The New System Variable dialogue box opens.

5. In the Variable name field, type **TI.httpsProxy**.
6. In the Variable value field, type **<proxy IP address or host>:<proxy port>**
7. Click **OK** to close open dialogue boxes and the Control Panel.

### Setting Environment Variables on a Mac®

Environment variables on a Mac® must be specified in the environment.plist file.

The variables must be specified using the following syntax:

**TI.httpsProxy=<proxy IP address or host>:<proxy port>**

For example:

```
TI.HttpsProxy=www.proxyserver.com:8080
```

For more information on setting your environment variables in the environment.plist file, see the Apple® documentation.

## ***Using Deployment Tools***

You can distribute the software to computers silently using different deployment tools. For instructions on using a deployment tool, see the tool's documentation. Texas Instruments does not recommend specific products.

If you have problems deploying the TI software, go to the Software Service Centre at [education.ti.com/go/softwarecenter](http://education.ti.com/go/softwarecenter) or contact TI-Cares at 1.800.TI.CARES or [ti-cares@ti.com](mailto:ti-cares@ti.com).



## Installing the TI-Admin Software

The TI-Admin software bundle includes the following utilities that must be installed on the licence-service computer for Concurrent and School-Managed licences:

- TI-Admin Activation Wizard
- Licence service
- WlmAdmin application

To install the TI-Admin software, follow these steps.

1. Double-click the TI-Admin file to begin the installation procedure.

The Activation Wizard Welcome dialogue box opens.

2. To complete the installation, follow the instructions in the installer dialogue boxes.

The Activation Wizard is installed so that the licence-service computer can be activated.

For details about activating your licence service, see the *Activating Concurrent and School-Managed Licences* section in the *Activating Licences* chapter.

# Installing the TI Software

To install and deploy the TI software, follow the procedures in this chapter.

Before you begin any installation procedure, review the *Getting Started* chapter.

## ***Installing and Deploying the Software***

If you are using a Concurrent or School-Managed licence, ensure that you have installed the TI-Admin software. For more information, see *Installing the TI-Admin Software*.

To install and deploy the TI software, follow these steps.

1. Download and save the `settings.properties` and `deployment.properties` files. For more information, see *Obtaining Properties Files*.
2. Using a non-formatting text editor such as Notepad on Windows® and TextEdit on a Mac®, open the properties files.
3. Using the option descriptions and values provided in the properties files, specify the values that apply for your installation.

**Note:** If you are using a Concurrent or School-Managed licence, the `settings.properties` file needs to contain a value in the `licence.server` option at minimum to ensure that the computers running TI software are configured to access the licence service.

For additional information, see *Appendix B: Properties File Options*.

4. Save each properties file.
5. Deploy the software using the platform or process of your choice, or you can run the installer and follow the prompts in the wizard.

**Note:** The properties files should be located in the same folder as the TI installer (.exe, .msi, or .pkg) file.

If a `deployment.properties` file containing a value for `licence.number` is deployed with the TI installer, the installer automatically attempts to silently activate the licence. This process can take up to 10 minutes, and requires an Internet access on the client machine at the time of deployment.

# Activating Licences

To activate your software, use the procedures described in this chapter.

If you are using a proxy server for a Single, Volume, or Concurrent licence, you must set the environment variables before the licence can be activated. In the *Getting Started* chapter, see *Setting Environment Variables for Proxy Servers*.

## Activating Single and Volume Licences

This section describes how to activate a Single or Volume licence manually using a licence number and Internet connection.

1. Open the TI software.

The Activation Wizard Welcome dialogue box opens.

2. Follow the prompts in the wizard to complete the activation.

**Note:** If you copy the licence number, you can paste the entire number by placing your cursor in the first field on the left and pressing **Ctrl + V** (Mac®: **⌘ + V**).

The Successful Activation dialogue box opens.

3. Choose one of these options:

- To launch the TI software, click **Next**.
- To exit the wizard and use the software later, click **Finish**.

## Activating Multi-Activation Licences

A Multi-Activation licence activates the software through installation of a licence file. Information on where to place the licence file can be found on the product page in the Software Service Centre.

## Activating Concurrent and School-Managed Licences

Use the information in this section to activate the licence service. When the service has been activated, seats are available for use on the computers running the TI software.

**Note:** If the wizard is unable to complete the activation, you may be prompted to complete the activation by accessing the Internet on another computer.

1. Select **Programs > TI Tools > TI Admin > Activate TI Software** (Windows®) or go to **/Applications** and double-click **TI-Admin** (Mac®).

The Activation Wizard Welcome dialogue box opens.

2. Follow the prompts in the wizard to complete the activation.

**Note:** If you copy the licence number, you can paste the entire number by placing your cursor in the first field on the left and pressing **Ctrl + V** (Mac®: **⌘ + V**).

The Successful Activation dialogue box opens.

3. Choose one of these options:

- To install another licence, click **Next**.
- To close the wizard, click **Finish**.
- To manage seats, select the **Launch WLMadmin** check box on the Successful Activation dialogue box.

# Appendix A: Licence Types and Terms

The type of licence and the terms that you need depend on which TI software you purchased, how many users (seats) you need, and the flexibility you need for multiple users.

The requirements for connectivity to the school network and the Internet vary, depending on activation and licence type.

## ***Licence Types***

The following are types of the TI software licences.

### **Single Licences**

A Single licence is valid for the TI software installed on a Single computer. It is activated when you begin using the software.

An Internet connection is required for activating the licence.

### **Volume Licences**

A Volume licence is a multi-user licence that provides TI software usage on a per-user and per-computer basis.

It is a single licence that manages a pool of seats, the number of which is specified at the time of purchase. The pool can be divided into multiple licence numbers, such as three numbers, each managing 10 seats, in a 30-seat Volume licence.

The TI software is installed on each computer in the pool. The licence number stays with the computer by default and is activated when the TI software is opened on that computer.

A connection to the Internet is required for activating the licence.

### **Concurrent Licences**

A Concurrent licence is a single licence number that is installed on the licence-service computer that is running the TI-Admin software and is used to manage seat usage.

With a Concurrent licence, the TI software can be installed on all school computers and used when a seat is available:

- When a user opens the software, the licence service checks out an unused seat to the user.
- When the user closes the software, the seat is returned to the pool.

This process applies up to the maximum number of seats that were specified at the time of purchase.

An Internet connection is required to install and activate the TI-Admin software on the licence-service computer. The computers running the TI software must be connected through the school network to the licence-service computer to manage seats.

## **Multi-Activation Licences**

A Multi-Activation Licence is a multi-user licence that provides TI software usage on a per-user and per-computer basis.

The licence is delivered in a file, which is placed in a specified location on computers where the software is installed.

The file is used to activate the software, and users do not receive a licence number.

For computers using the TI software, connections to the Internet and the school network are not required. Software can be installed through hard-disk imaging and other deployment methods.

For the Multi-Activation licence, the software on each computer must be activated periodically:

- The licence can be purchased as perpetual (renewed for a new time period at no additional cost), or it can be purchased as a non-renewable subscription.
- The subscription renewal produces a new licence file that must be deployed to the computers running the TI software.

## **School-Managed Licences**

The School-Managed licence is a multi-user licence that provides TI software usage on a per-user (teacher or student) and per-computer basis.

The School-Managed licence is managed centrally and activated on the licence-service computer that is connected to the school network.

When a user opens the software, it can be run if these connectivity requirements are met:

- The computer is connected to the licence-service computer and seats are available.
- The computer is away from the network, but has connected successfully to the licence-service computer within the last 30 days.

An Internet connection is required to install and activate the TI-Admin software on the licence-service computer. The computers running the TI software must be connected through the school network to the licence-service computer to manage seats.

Software can be installed on the computers running the TI software through hard-disk imaging and other deployment methods.

For the School-Managed licence, the licence service is activated periodically:

- The licence can be purchased as perpetual (renewed for a new time period at no additional cost), or it can be purchased as a non-renewable subscription.
- The subscription renews with a new licence number that must be activated to the licence-service computer.

## Connectivity Requirements for Licence Types

The following table summarizes connectivity requirements for the computer running the TI software or the licence-management software.

Licence Type	Internet Connectivity Required for Activation?	Off Network Usage?	How Long Off Network?
Single	Yes	Yes	Full licence duration
Volume	Yes	Yes	Full licence duration
Concurrent	For licence service only	Limited manual	Borrow period (adjustable)
Multi-Activation	No	Yes	Full licence duration
School-Managed	For licence service only	Limited automatic	30 days from the last successful licence-service connection

## Licence Terms for Software Use

For licences, the terms for using the TI software are specified:

- **Subscription.** A subscription is valid for a limited period of time. The time period can be a duration or defined with an end date.
- **Perpetual Licence.** A perpetual licence is valid for an unlimited period of time. Some licence types may require you to renew and reactivate on a regular basis.
- **Trial Licence.** A trial licence is valid for the evaluation period that is stated in the software. No licence number is required.

## Appendix B: Properties File Options

This appendix summarises the options for the settings.properties and deployment.properties files.

**Note:** Make sure that you download the latest properties files that include the current options.

### Settings.properties File Options

Option	Accepted Values	Comment
allow.analytics	True/False	Silently enables (True) or silently disables (False) the automatic collection of anonymous information about product usage and product reliability. User can enable or disable analytics anytime through the Help menu. To automatically display a dialogue to user during first software start-up, leave this value empty.
allow.subscription.warning	Yes/No	Enable to allow the user to be warned of pending licence expiration. <b>Note:</b> This setting only applies to Subscription licences.
max.days.borrow.license	1 - 365	The time (in days) the user is allowed to borrow a licence when using a concurrent licence that has borrowing enabled. <b>Note:</b> This setting only applies to Concurrent licences.
allow.license.borrow	Yes/No	Enable to allow licence borrowing (local licence) when using a concurrent licence that has borrowing enabled. <b>Note:</b> This setting only applies to Concurrent licences.
subscription.warning.days	1 - 31	The time (in days) prior to licence expiration for user to be warned. <b>Note:</b> This setting only applies to Subscription licences.
subscription.warned.already	True/False	Enable to hide the subscription warning dialogue displaying remaining



Option	Accepted Values	Comment
		active time for a subscription licence. <b>Note:</b> This setting only applies to Subscription licences.
license.server.3	Hostname or IP Address	Points the TI software to a tertiary licence-service computer for licence checkout. <b>Note:</b> The IP address must be IPv4. <b>Note:</b> This setting only applies to Concurrent and School-Managed licences.
license.server.2	Hostname or IP Address	Points the TI software to a secondary licence-service computer for licence checkout. <b>Note:</b> The IP address must be IPv4. <b>Note:</b> This setting only applies to Concurrent and School-Managed licences.
allow.auto.upgrade	True/False	When set to YES, allows automatic updates to Texas Instruments software on computers running the TI software. Computer(s) are notified of available software updates.  To receive notices, users must have Internet access and port 80 must be open.
license.server	Hostname or IP Address	Points the TI software to the licence-service computer for licence checkout. <b>Note:</b> The IP address must be IPv4. <b>Note:</b> This setting only applies to Concurrent and School-Managed licences.
license.number	Auto-populated	Displays the licence number used to activate the software. Valid for single and volume licences.
preferred.hosts	Semicolon (;) delimited set of <Hostname	Allows the administrator to specify the host(s) to query for available classes when multi-casting is disabled

Option	Accepted Values	Comment
	or IP address>:<port>	on the network. <b>Note:</b> This option is used only in TI-Nspire™ Student Software and TI-Nspire™ CAS Student Software.
database.path	A Unix, UNC or Windows file path. These paths may use environment variables, but will not work with the tilde (~) character.	Allows the administrator to set the path that the software checks for a database on launch. Setting this property disables the user's ability to change the database path in the software. <b>Note:</b> This setting only applies to TI-Nspire™ Navigator™ Teacher Software and TI-Nspire™ Navigator™ NC Teacher Software. <b>Note:</b> Texas Instruments recommends that this path be set to a local file system path.
testmode.configurations	<Configuration Name>[XXXX-XXXX]. Maximum allowable name length is 32 characters. Special Characters are not valid.	Allows the administrator to specify up to nine Test Mode Configurations. Accepted Format for one configuration: testmode.configurations=<Configuration Name>[XXXX-XXXX] Accepted Format for multiple configurations: testmode.configurations=<Configuration Name 1>[XXXX-XXXX],<Configuration Name 2>[XXXX-XXXX],...,<Configuration Name 9>[XXXX-XXXX]. <b>Note:</b> This option is used only in TI-Nspire™ Student Software and TI-Nspire™ CAS Student Software. Calculate test code using "Choose Test Mode Restrictions..." in the TI-Nspire™ Student Software or TI-Nspire™ CAS Student Software.

## Deployment.properties File Options

Option	Accepted Values	Comment
deploy.log.dir	A valid Unix, UNC or Windows path.	Creates an empty file immediately after activation. The file name indicates success or failure using the following format: <AppName>-<Success/Failure>- <Host name>-<Date>-<Time>.log  Example, if TI-Nspire™ CAS Teacher Software were installed successfully on the ClassDesktop01 computer on 15 August 2011 at 2:30 p.m., this entry would appear: TINspireCASTeacherEdition-Success-ClassDesktop01-20110815-1430.log
license.number	A valid 31-digit licence number.	Licence Number of the TI software to be activated on the client computer. The licence number should include dashes.
activation.time.limit	0 - 600	When ACTIVATE is set to YES, the software chooses a random value between 1 and the specified value to wait before the activation Volume attempt and between attempts. This prevents a large number of clients from attempting to communicate with the activation server at the same time.  The system tries automatically to activate up to three times.
activation.log.location	A valid Unix, UNC or Windows path.	Creates a detailed log file of the activation progress in the specified directory.

# General Information

## ***Online Help***

[education.ti.com/eguide](http://education.ti.com/eguide)

Select your country for more product information.

## ***Contact TI Support***

[education.ti.com/ti-cares](http://education.ti.com/ti-cares)

Select your country for technical and other support resources.

## ***Service and Warranty Information***

[education.ti.com/warranty](http://education.ti.com/warranty)

Select your country for information about the length and terms of the warranty or about product service.

Limited Warranty. This warranty does not affect your statutory rights.

Texas Instruments Incorporated

12500 TI Blvd.

Dallas, TX 75243