



# Installation Guide for Macintosh®



IDL Version 5.4  
September, 2000 Edition  
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# Before You Begin

- **Locate Your Product RSI Registration Form** — You should have already received your Registration form by electronic mail or fax. It provides your product installation number and additional information about licensing IDL. If you haven't received it, first install IDL and then see [“Contacting Research Systems”](#) on page 22 for more information. You do not need a license to install and run IDL in demonstration mode.

## IDL 5.4 System Requirements

The following are the system requirements for installing IDL 5.4.

**Disk space required** — 140 MB (default installation)

**Operating System required** — MacOS 8.x or 9.x running on a PowerMAC G3 or G4, or iMac.

# IDL Licensing and Product Options

## Licensing Options

There are three types of IDL licensing: Demonstration, Evaluation and Purchased (or permanent). The differences between each type are:

License	Description
Demonstration	Restricted, seven minute access to IDL for demonstration purposes. No license is necessary. See <a href="#">“Running IDL in Demonstration Mode”</a> on page 9 for more information.
Evaluation	Full access to all functionality for a specified number of days. After installing IDL, see <a href="#">“Installing an Evaluation License”</a> on page 14 for licensing instructions.
Purchased/ Permanent	Full access with no time or functionality constraints. After installing IDL, see <a href="#">“Installing a Permanent License”</a> on page 15 for licensing instructions.

## Product Options

Three renditions of IDL are available: standard IDL, IDL Academic Edition and IDL Runtime.

<b>Category</b>	<b>Description</b>
<b>IDL</b>	This is the standard version of IDL offering full access to all of the software's features including the ability to run and compile programs.
<b>IDL Academic Edition</b>	This version of IDL provides full access to all of the software's features for qualified academic customers.
<b>IDL Runtime</b>	IDL Runtime lets users run IDL applications and other IDL-based programs that have been packaged as IDL .sav files. The IDL development environment and the command line are not accessible from applications on Runtime licenses.

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### Tip

To see some of the many ways IDL can help visualize data, start the Demo Applications. See [“Running the IDL Demo Applications”](#) on page 11 for instructions.

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# Running IDL in Demonstration Mode

If you want to run IDL for demonstration purposes, you can run IDL directly from the CD-ROM or you can install and run IDL.

## Running from the CD-ROM

To run IDL from the CD-ROM, complete the following steps:

1. **Insert the IDL CD-ROM in your CD-ROM drive.**

The IDL 5.4 folder appears. If the window doesn't appear, click the IDL 5.4 CD-ROM icon.

2. **Start IDL.** Double-click the IDL icon.
3. **Click OK.** This starts IDL in demonstration mode.

## Installing and Running

To install and run in demonstration mode, complete the following steps:

1. **Install IDL.** See [“Installing IDL”](#) on page 12.

2. **Start IDL.**

Double-click the IDL 5.4 icon located in the *install\_dir*:RSI:IDL 5.4 folder. Until licensed, IDL displays the licensing dialog.

3. **Click 7-Minute Trial.** This starts IDL in demonstration mode.

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### Tip

Try running the IDL Demo Applications that illustrate some of the many ways IDL can help visualize data. See [“Running the IDL Demo Applications”](#) on page 11 for more information.

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# Running the IDL Demo Applications

The IDL Demo applications illustrate some of the many ways IDL can help visualize data. The IDL Demo Applications are a series of programs written in the IDL language that demonstrate different aspects of IDL.

To run the IDL Demo Applications off the IDL CD-ROM,

- Double-click the IDL Demo icon located in the IDL 5.4 volume window.

To start the IDL Demo Applications after installing IDL:

- Drag the IDL Demo icon located in the *install\_dir*:RSI:IDL 5.4 folder onto the IDL 5.4 icon.

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## Note

If you have already started IDL, you can just type in DEMO at the IDL prompt.

```
IDL> DEMO
```

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# Installing IDL

To install IDL 5.4, complete the following steps:

1. **Insert the IDL CD-ROM in your CD-ROM drive.** The IDL 5.4 volume window appears. If the window doesn't appear, click the IDL 5.4 CD-ROM icon.
2. **Start the IDL installation.** Double-click on the Install IDL icon, and then click **Continue** to begin the installation process.
3. **Accept the license agreement.** In order to continue the installation, you must accept the terms of the Research Systems license agreement. Click **Accept**.
4. **View the IDL Release Notes.** The release notes contain important information about this release of IDL. Click **Continue** to proceed.
5. **Select the features to install.** The default, pre-selected features will install the IDL program files, IDL Demo applications, Help files, Online Manuals, and Adobe Acrobat Reader. Check any of the boxes to the left of the features listed to include them in your installation. Click on the small “i” icon at the right-hand side of the list for information about each feature.

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## Note

To license IDL with a USB HASP, you must either install the USB HASP Device Driver using the Custom installation option or install it by double-clicking the Install USB Mac Hasp DD icon located in the Extras folder on your IDL CD-ROM. For more information on

licensing IDL using a USB HASP, see "[Licensing IDL with a USB HASP](#)" on page 16.

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6. **Select installation directory.** IDL will be installed in a folder named RSI. To change the location of the RSI folder, open the drop-down list in the **Install Location** section of the Install IDL dialog and click **Select Folder**. You can choose an existing folder, switch disks, or create a new folder. Select the installation directory and click **Install**.
7. **Exit the installation program.** When the message appears stating that your installation was successful, click **Quit** if you are satisfied with your installation choices.

Your installation is now complete. License your IDL installation by following the steps for "[Installing an Evaluation License](#)" on page 14 or for "[Installing a Permanent License](#)" on page 15.

# Installing an Evaluation License

To license IDL, you will need your Research Systems licensing information. If you have not received it, see “[Contacting Research Systems](#)” on page 22 for assistance. To install an evaluation license for trial purposes, complete the following steps:

1. Install IDL. See “[Installing IDL](#)” on page 12 for instructions.
2. Double-click the IDL icon located in the `install_dir:RSI:IDL 5.4` folder. Until licensed, IDL displays the licensing dialog. Click **License**.
3. Enter your installation number, the site notice, any optional features and the installation key *exactly* as they appear on your Registration form. Click **OK**.

IDL licensing is now complete.

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## Note

The expiration date of your license is embedded into the installation key code shown on your Registration form. When your evaluation license expires, you will be presented with the licensing dialog when starting IDL. Until re-licensed, IDL will run only in timed demonstration mode.

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# Installing a Permanent License

IDL 5.4 for Macintosh is protected by a hardware copy-protection device. You must attach this device before you can license IDL. The device will not interfere with any of the other devices (e.g., printer, modem, mouse, etc.) or software on your computer. There are two types of devices:

- Universal Serial Bus (USB) HASP  
is a short length of blue plastic labeled “MacHASP USB” with a USB connector at one end. It can be used with an iMac or Power Macintosh with a USB port. See [“Licensing IDL with a USB HASP”](#) on page 16 for licensing instructions.



USB HASP

- Apple Desktop Bus (ADB) HASP  
is a short length of white plastic, labeled “MacHASP” with Macintosh ADB connectors at each end. It can be used with any Power Macintosh with an ADB port. See [“Licensing IDL with an ADB HASP”](#) on page 17 for licensing instructions.



ADB HASP

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## Note

Only one Research Systems software HASP can be installed on your machine at one time. If you have multiple RSI HASPS and product

installations on one machine, only the HASP associated with the product you are licensing or using should be installed at any one time.

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If you have a HASP from a previous version, you may not have received a new one with your upgrade. If you have not received a new HASP, the old one will continue to function. You should have only one Research Systems HASP attached at any time.

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**Note**

If you have received the incorrect type of HASP, contact Research Systems Technical Support. See [“Contacting Research Systems”](#) on page 22 for more information.

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## Licensing IDL with a USB HASP

To license IDL using a USB HASP, complete the following steps:

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**Note**

To license IDL with a USB HASP, you must have either installed the USB HASP Device Driver during installation, or have installed it by double-clicking the Install USB Mac Hasp DD icon located in the Extras folder on your IDL CD-ROM.

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1. **Locate your licensing information.** If you haven't received your licensing information by electronic mail or fax, contact Research Systems Technical Support. See [“Contacting Research Systems”](#) on page 22.

2. **Insert the USB HASP in any unused USB port.** USB ports are typically located on your keyboard, on the side (iMac), or on the back (G3) of your Macintosh. Unlike the ADB HASP, you do not need to shut down your Macintosh before attaching a USB HASP.

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### Note

If you are replacing an evaluation license with a permanent license, you need to enter your license information using the IDL License Utility instead of completing the following steps. See [“Using the IDL License Utility”](#) on page 20 for instructions.

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3. **Start IDL.** Double-click the IDL icon located in the *install\_dir*:RSI:IDL 5.4 folder. Until licensed, IDL displays the licensing dialog. Click **License**.
4. **Enter your licensing information.** Enter the installation number, the site notice, any optional features and the installation key exactly as they appear on your RSI Registration form. Click **OK**.

IDL licensing is now complete.

## Licensing IDL with an ADB HASP

To license IDL using an ADB HASP on your Macintosh, complete the following steps:

1. **Locate your licensing information.** If you haven't received your licensing information by electronic mail or fax, contact Research Systems Technical Support. See [“Contacting Research Systems”](#) on page 22 for contact information.

2. **Shut down your Macintosh.** Always shut down your Macintosh before installing or removing an ADB HASP.
3. **Insert the ADB HASP anywhere in your ADB chain.** You can insert it between the keyboard and the ADB bus cord or into an unused ADB port.
4. **Restart your Macintosh.**

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**Note**

If you are replacing an evaluation license with a permanent license, you need to enter your license information using the IDL License Utility instead of completing the following steps. See [“Using the IDL License Utility”](#) on page 20 for instructions.

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5. **Start IDL.** Double-click the IDL icon located in the *install\_dir:RSI:IDL 5.4* folder. Until licensed, IDL displays the licensing dialog. Click **License**.
6. **Enter your licensing information.** Enter the installation number, the site notice, any optional features and the installation key exactly as they appear on your Registration form. Click **OK**.

IDL licensing is now complete.

## **Important Information about Your ADB HASP**

The following information is important to know about your ADB HASP:

- **Never remove the ADB HASP while your Macintosh is running, as serious damage to the computer may result from disconnecting the ADB chain.** Always shut down your Macintosh before removing the ADB HASP.
- If the ADB HASP is removed during an IDL session, IDL enters demonstration mode and you will not be able to save your work.
- If a new session is started without the ADB HASP installed, IDL may either prompt you to license your installation or may default to demonstration mode. You will not be able to permanently license your installation without the ADB HASP installed. You can, however, run IDL demonstration mode without the ADB HASP installed.

# Using the IDL License Utility

You can use the IDL License Utility if you need to install a permanent license after having installed an evaluation license.

1. Open your IDL folder.
2. Drag a copy of the IDL application onto the IDL License Utility application. The IDL License Utility exists in the IDL 5.4:bin directory.
3. In the IDL License Utility dialog, fill in the following fields with the information provided by your RSI licensing form:
  - **Installation number** — enter the installation number exactly as it appears on your license information form.
  - **Site Notice** — enter your site notice exactly as it appears on your license information form.
  - **Optional Features** — enter any optional features shown on your license information form.
  - **Installation Key** — enter the key *exactly* as it appears on your license information form and click **Next**.
4. Exit the license dialog. Click **Finish**.

IDL is now licensed.

# Troubleshooting HASP Licensing

For possible solutions to any HASP licensing problems, refer to [“Troubleshooting HASP Licensing”](#) in the Macintosh chapter of the *License Management Guide*, located on your CD-ROM in the info:docs directory.

# Contacting Research Systems

If you have problems with your installation, contact Research Systems technical support for assistance:

- E-mail: [support@ResearchSystems.com](mailto:support@ResearchSystems.com)
- Phone: (303) 413-3920
- Fax: (303) 786-9909
- Web page: <http://www.ResearchSystems.com> — Visit the Tech Tips section on our Web page for Frequently Asked Questions.

International customers should contact their local Research Systems office or distributor for technical support.