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MARIS

CD-ROM

**WINDOWS®
MACINTOSH®**



RedShift™ 3



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System Requirements

Windows®

Windows® 95
Pentium® 100MHz
16 MB RAM
Quad-speed CD-ROM
640X480 256-color display
Windows-compatible sound card

Macintosh®

PowerPC® 100 MHz or higher
16 MB RAM
System 7.5.1
640X480 256-color display
Quad-speed CD-ROM

Windows & Macintosh Option: 28.8 modem needed for Internet feature

Install/Run

Windows®

First, make sure that your computer meets the system requirements for the program, then insert the **RedShift 3** CD into your CD-ROM drive.

In most cases, the CD will automatically run the setup program to install **RedShift 3** on your hard drive. You can also install the program manually by doing the following:

- 1) Click on the **START** button on your desktop, then choose **RUN**.

- 2) Type **D:\Setup** in the dialog box (where "D" is your CD drive letter) and press **OK**.
- 3) Follow the prompts to complete the installation.
- 4) To start the program, select **RedShift 3** from the **START** menu in the **PROGRAM** group.

The **SETUP** program will also install *QuickTime™* for Windows® and *Internet Explorer*. If you already have them installed, you can skip this part of the installation. Installing these items will require you to restart Windows®.

Macintosh®

- 1) Insert the **REDSHIFT 3** disk into a CD-ROM drive attached to your Power Macintosh®. The side window will open to show you the **REDSHIFT 3** program icons.
- 2) Set up **REDSHIFT 3** on your hard disk by double-clicking on **RS3 Installer** icon.
- 3) **REDSHIFT 3** requires *QuickTime™ 3.0*. If *QuickTime™ 3.0* is already installed on your computer, go to step 5.
- 4) Double-click on the **Install QuickTime** icon and follow the instructions that appear on-screen.
- 5) To start the program, double-click **REDSHIFT 3** on your hard disk in the **REDSHIFT 3** folder.

Introduction

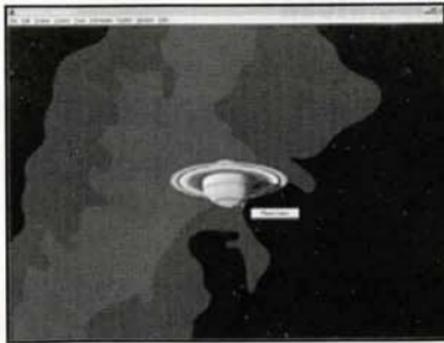
Welcome to RedShift 3, a tremendously powerful virtual planetarium capable of displaying more than one million celestial bodies. This extraordinary tool for learning about the universe features an in-depth multimedia database that covers topics spanning the breadth of the known universe.

Quick Reference

Sky Window

The Sky window is the main RedShift window that opens after the start sequence. It always contains the sky view (except when Print preview has been chosen) and is always behind other windows that RedShift opens. You can resize the Sky window using the usual controls. If you minimize it, all other RedShift windows will be hidden.

If you have a large monitor, you may find it useful to resize the Sky window to occupy a small part of the screen and to move any other window, panel or dialog away from it (control panels must be floating to do this). This is particularly useful when using Sky diary or the eclipse and conjunction finders.



Mouse Control

Left Button – Once you have located an object of interest with the cursor, click on the left mouse button to display a dialog box. Highlight the box and click again for additional information.

Right Button – Click on the right mouse button to display the following options: "Filter Box," "Find" and "Features." "Filter Box" – Use the Filter dialog to control what objects are displayed in the Sky window and how they are displayed. "Find" – Search a list of all objects with names or select the type of object you want to search for using the pop-up menu at the top of the Find object dialog box. "Features" – Use the Features option to toggle (on/off) "Sites" and "Landing Sites" views for Venus, Earth, Mars or the Moon.

Keyboard Controls

SHIFT Hold SHIFT and drag (hold the left mouse button down while moving the mouse) to zoom in on a point in the Sky window.

ALT Hold ALT and drag to zoom out.

CTRL Hold CTRL and drag to measure the angle (in degrees, minutes and seconds) between two points in the sky. The result is displayed in the status bar.

ARROW KEYS Controls view aspects. Changes are determined by the mode selected in the Control Panel.

Modes:

- Position** Use the arrow keys to change your position around a celestial body.
- Distance** Up and down arrow keys move you closer to and farther from objects.
- Direction** Use the arrow keys to determine your field of vision.
- Roll Angle** Left and right angles control the clockwise angle of your view.
- Zoom** Up and down arrow keys allow you to zoom in and out.

Online Help

- Help** The Help Manual is available at any time from the Help option on the menu bar.
- Help Cursor** Selecting Help Cursor will provide a "question mark" cursor. Click on a control item for additional help. Select Help Cursor again to turn the feature off (remove checkmark).
- Balloon Help** Selecting Balloon Help will provide a brief description when you point to different control items. Select Balloon Help again to turn the feature off (remove checkmark).

Control Panels – Settings

- Time** Sets any time and date for observation between 4713 B.C. and 9999 A.D.
- Location** Sets location for observing anywhere on Earth, on another planet or moon, or in space anywhere within 9999 astronomical units of the solar system.
- Aim** Directs your view towards an object or specified coordinates.

Control Panels – Activities

- Control Time** Runs time forward and back in preset increments.
- Track Aim** Tracks aim relative to the horizon, the sky, or an object.
- Control** Switches the step forward and back control between position, distance, direction, roll angle and zoom.



Home Window



Astronomy Tours – Introduction to a range of topics using the RedShift engine. Running some of these tours is a good way to find out what RedShift can do.

News – Provides news of astronomical events based on its own calculation engine, or from the dedicated Internet Web site.

Dossier Tab – Contains three books with information on astronomy: Record Breakers, Dictionary of Astronomy, and the Photo Gallery.

Story of the Universe – A set of ten interactive movies explaining concepts in astronomy. Scroll through the window to see all of the movies.

Using RedShift – An introduction to features of the program and how to use them. Click the Introduction button to start the Introduction interactive movie.

Before You Call Technical Support

Please have the following information ready:

Windows® 98 or 95

1. Product name and version number.
2. The processor and clock speed (e.g., 486/66) of your computer.
3. Your operating system's version number.
4. The brand name of the sound device installed in the computer.
5. The amount of free memory (memory available to run the program). (In Windows 98 or 95, open Explorer on the desktop and select About Windows 98 or 95 from the Help menu.) From the dialog box that appears, write down the Memory and System Resource values.
6. The complete and exact error message reported by the program (if any).
7. A printout of your config.sys and autoexec.bat files.

Macintosh®

1. Product name and version number of the product.
2. The model name of your Macintosh and the system version number. (See About This Computer on the Apple Menu.)

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