

More information about ArcView GIS Spatial Analyst Version 1.1

This document contains important information that is not included in the ArcView Spatial Analyst Installation Guide or in the ArcView online Help.

Note: If you have previously edited your Spatial Analyst spatial.cnt file: The Spatial Analyst Version 1.1 setup program installs a new spatial.cnt file. The existing spatial.cnt file will be saved as avspat11.cnt. If you previously made any edits to your spatial.cnt file, those edits will need to be added to the new spatial.cnt file.

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1.0 Installing Spatial Analyst 1.1 will replace your existing Spatial Analyst 1.0/1.0a

Installing ArcView Spatial Analyst 1.1 will overwrite and replace your existing copy of Spatial Analyst 1.0/1.0a. If you are concerned about losing your original installation of ArcView Spatial Analyst 1.0/1.0a, you should create a new installation base of core ArcView 3.x for Spatial Analyst 1.1. This will involve installing a brand new ArcView 3.x into another location.

2.0 Spatial Analyst Help

The core ArcView GIS help files must be installed in order to access online help for the Spatial Analyst.

3.0 Using Spatial Analyst 1.1 with the 3D Analyst 1.0

3D Analyst Version 1.0 and Spatial Analyst Version 1.1 extensions can be loaded and used at the same time. If you are using 3D Analyst and Spatial Analyst, Spatial Analyst Version 1.1 is required. Please see details in note number 1.0 in this readme file, as installing either the 3D Analyst Version 1.0 or Spatial Analyst Version 1.1 will overwrite existing installs of Spatial Analyst 1.0 or 1.0a.

4.0 After Running Setup

Setup creates two program items for Spatial Analyst under the ArcView GIS program group.

- Spatial Analyst Readme-a Microsoft Write program file that provides important, last-minute information about Spatial Analyst.

- Uninstall Spatial Analyst-a program used to uninstall the Spatial Analyst extension. (NT 3.51

only)

Note: The logfile, AVSETUP.LOG, is updated after installing the Spatial Analyst under the ArcView installation directory. This file contains helpful information about your Spatial Analyst installation, including installation options selected, location of the installation, and so on.

5.0 To Add Spatial Analyst Components

Once you have installed ArcView Spatial Analyst, you can run the ArcView Spatial Analyst setup program again at any time to add components. You can also restore the previous installation (if the files are accidentally corrupted or deleted).

To add a component

1. Start the ArcView Spatial Analyst setup program just as you did when you first installed the ArcView Spatial Analyst.
2. Using the Custom installation option, select the desired additional installation components and follow the setup instructions on the screen.

6.0 To Uninstall Spatial Analyst

ArcView Spatial Analyst software components can be easily uninstalled if necessary. This will remove the ArcView Spatial Analyst extension and all of its components.

Windows NT 3.51 users - Double-click the uninstall ArcView Spatial Analyst icon in the ArcView GIS Program Group.

Windows 95 and Windows NT 4.0 users - From the Start button, click Settings and then click Control Panel. Double-click the Add/Remove Programs icon. On the Install/Uninstall tab, select the ArcView Spatial Analyst extension program from the programs list, then click the Add/Remove button.

7.0 What's new in ArcView Spatial Analyst 1.1

Most noticeable is the new menu interface. This was changed to coincide with the new 3D Analyst Extension. Instead of just having an Analysis menu, the surface related options have all been moved into a Surface menu. The Spatial Analyst 1.1 extension has been released at the same time as 3D Analyst so that they may be loaded and used at the same time. Prior versions of Spatial Analyst are not supported when 3D Analyst is installed.

We have added Calculate Viewshed (Visibility request) to the Surface menu. Also, the visibility request now respects the Analysis properties.

Instead of the Grid Manager on the File menu, we have renamed this choice to Manage Data Sources. The new Source Manager provides management for shapefiles as well as grids.

Also, in this version we have included 4 new requests. These are as follows:

Grid.CalcPolynomialFit - Performs a linear least-squares fit to a list of links
aGrid.StreamToPolyLineFTab - Converts a linear network to polylines.
aGrid.AsPointFTab - Converts a grid to points.
aGrid.AsPolyLineFTab - Converts a grid to polylines.

8.0 Spatial Analyst 1.0 or 1.0a Project Files

When projects created with Spatial Analyst 1.0 or 1.0a are opened in Spatial Analyst 1.1, you will

be asked if you would like to update the interface to reflect the new look and feel. Projects created with Spatial Analyst 1.1 will not be compatible with Spatial Analyst 1.0 or 1.0a.

9.0 Known Problems and Limitations

Use ArcView GIS version 3.0a or higher

- You can not install and/or run Spatial Analyst 1.1 on a machine that does not have ArcView GIS 3.0a or higher installed.

Spatial Analyst 1.1 will replace existing Spatial Analyst installations

- Installing ArcView Spatial Analyst 1.1 will replace your existing ArcView Spatial Analyst 1.0/1.0a. If you need to be able to run both ArcView Spatial Analyst 1.0/1.0a and 1.1, you should create a second installation base of core ArcView GIS 3.0a or higher for Spatial Analyst 1.1.

Additional Known Issues for this release of Spatial Analyst can be found in the ArcView online Help. For a list of known limits for Spatial Analyst Version 1.1, double-click the Extensions book in the contents page, then the Spatial Analyst book. The 'Known Issues' help topics are located under the Troubleshooting book.

10.0 Questions and feedback

ArcView's on-line help provides FAQ and troubleshooting topics for Spatial Analyst. To access these topics, double-click the book 'Extensions' and then double-click 'Spatial Analyst' in the contents page of the Help window. ArcView Help also provides detailed information on how to contact ESRI Technical Support with any of your questions or comments. You can access this information by looking at the section 'Obtaining technical support' from ArcView's online help under the 'Need More Help' booklet which can be found on the Contents page.

All questions and comments should be forwarded to ESRI Technical Support.

- Phone 909-793-3774
- Fax 909-792-0960
- E-mail (support@esri.com)

If you are outside the U.S., please contact your local ESRI office or distributor.

11.0 Sources for additional information

In your use of ArcView Spatial Analyst, you may find the need for additional information about using the software. Answers to the most frequently asked questions and up-to-date tips can be found in one or more of the resources described below.

Subscribe to ESRI's World Wide Web Discussion Forum List ARCVIEW-L

ARCVIEW-L provides a medium for users to exchange technical information and expert advice relating to ArcView and Avenue. To subscribe, send a message to arcview-l-request@esri.com with a subject line of 'subscribe'. This forum is not an official technical support channel.

Visit the ESRI Home Page on the Internet

ESRI maintains a wide array of news and information on the World Wide Web. To access this information use the following address: www.esri.com. Our Web site also offers a discussion forum where you can exchange information on ArcView and Avenue with other users via threaded messages (messages about the same topic). The forum may be accessed at nt1.esri.com/community.

Our site also offers an Internet Relay Chat (IRC) server. Our chat server will allow you to network with other ArcView users and participate in scheduled 'online conferences', all in real time. The chat server is available at www.esri.com/chat.

Access ESRI's Fax-on-demand Server

ESRI maintains a fax-on-demand server containing up-to-date technical tips, workarounds, and answers to your most frequently asked questions. These are the same documents available via the Web. You may access this database by calling our automated fax-on-demand service at 909-307-3111 from a touch-tone phone, and then follow the voice-prompted instructions to obtain an index or up to three documents per call. This service is available within the United States and Canada only. Be sure to take advantage of these information services.