Trimble Geomatics Office™

Release Notes

- **Product Information**
- **Documentation Changes**

Trimble®

Version 1.62
Revision A
July 2003

Corporate Office

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Product Information

The Trimble Geomatics Office™ version 1.62 software is released only to provide Italian language support. All functions and features of the software are identical to Trimble Geomatics Office version 1.61.

This section gives details of changes made to the Trimble Geomatics Office™ software since version 1.6 of the *Trimble Geomatics Office User Guide* was produced.

Computer Hardware and Software Requirements

Table 1.1 shows what you need on your computer to correctly install and use Trimble Geomatics Office 1.62.

Table 1.1 Hardware and software requirements

Component	Minimum requirements	Recommended requirements
CPU	Pentium 150 MHz	Pentium 266 MHz
RAM	32 MB	128 MB
Hard drive	317 MB required for typical installation	
Monitor	SVGA color 800 x 600	XGA color 1024 x 768
Ports	1 x RS232 port with 16550 UART	
Data drives	CD-ROM drive or DVD drive	
Input devices	Keyboard with mouse or trackball	Keyboard and Microsoft IntelliMouse

Table 1.1 Hardware and software requirements (continued)

Component	Minimum requirements	Recommended requirements
Software	One of the following Microsoft® operating systems: • Windows® 98 • Windows Me • Windows NT 4.0 or later • Windows 2000 • Windows XP	One of the following Microsoft operating systems: • Windows 98 • Windows Me • Windows NT 4.0 or later • Windows 2000 • Windows XP
	Web browser (HTML viewer)	Microsoft Access 2000 Microsoft Internet Explorer 5.0 or later

Installing the software

Trimble recommends that you remove Trimble Geomatics Office 1.5 from the computer, including any demonstration software, before you install the Trimble Geomatics Officeversion 1.62 software. However, if you have customized information that you want to keep, then you can upgrade the version 1.5 software. To do this, see the following section.

Note – *To install the software under Microsoft Windows NT, Windows 2000, or Windows XP, you must have administrator rights.*

Upgrading from Trimble Geomatics Office 1.5 or 1.0

When you upgrade from Trimble Geomatics Office 1.5 (or 1.0), the software searches the computer for this earlier version. If the search is successful, the software installs the newer version.

If you have Trimble Geomatics Office version 1.5 (or 1.0) installed on another computer, you must enter the Trimble Geomatics Office serial number and key from that previous installation. You must also enter the module key for the WAVE™ Baseline Processing module and the Network Adjustment module, if applicable.

Installing the modules for WAVE Baseline Processing and Network Adjustment

If you purchased the WAVE Baseline Processing module or the Network Adjustment module with Trimble Geomatics Office, enter the validation key in the appropriate fields.

If you purchased the WAVE Baseline Processing module or the Network adjustment module ***after*** purchasing and installing Trimble Geomatics Office, run the *Trimble Geomatics Office Software CD* again. You can reinstall Trimble Geomatics Office or simply add a module.

Installation issues

This section outlines several important installation issues when you run Trimble Geomatics Office:

- On Microsoft Windows 2000 or XP

  If you are a user (not a power user), you can only run the Feature and Attribute Editor, RoadLink™, or DTMLink™ utilities if someone with administrator rights runs the utilities first.

- On a network

  You can install Trimble Geomatics Office on a network drive provided that you have the required permissions. However, Trimble Geomatics Office will run correctly only on the computer on which it was installed.

- As a multi-user

  Trimble Geomatics Office does not support multi-user installations.

Installing the Trimble Survey Controller software

You must install Trimble Geomatics Office **before** running the *Trimble Survey Controller™ Software CD*.

Upgrading Trimble Geomatics Office

When you upgrade from a previous version of Trimble Geomatics Office, if you do not remove the earlier version of the software, certain files are backed up.

The following files are renamed with *.bak:

– Current.csd

– Antenna.ini

– Receiver.ini

The following files are copied into the Program Files\Trimble\Trimble Geomatics Office\System\BackedUpBy162 directory:

– Symbols.sym

– LineType.ltp

– AsciiRpt.dat

– AsciiImp.dat

– AsciiExp.dat

The default project templates are copied into the Program Files\Trimble\Trimble Geomatics Office\Template\BackedUpBy162 directory.

For more information about using customized information from earlier versions of Trimble Geomatics Office, see the next section.

Using customized information from Trimble Geomatics Office version 1.5

You can use the following Trimble Geomatics Office 1.5 customized files in version 1.62:

- .frm – Plan form definition
- .fcl – Feature and attribute library
- Current.csd – Coordinate system database containing existing and user-defined coordinate systems (including sites, datum transformations, ellipsoids, and geoid models)
- Symbol.sym – Symbol library
- Linetype.ltp – Line type library

Because the database table and column structures (schema files) in Trimble Geomatics Office 1.6 are updated, version 1.62 does not support the following version 1.5 files:

- ASCIIrpt.dat – Report format files
- ASCIIimp.dat – ASCII import definition files
- ASCIIexp.dat – ASCII export definition files
- \Templates\<Template>*.* – Project templates
- MS Access reports – Database reports defined in Microsoft Access

You may not be able to use the version 1.5 ASCIIrpt.dat, ASCIIimp.dat, and ASCIIexp.dat files in version 1.62. However, some formats that were defined in the version 1.5 files may still be compatible with Trimble Geomatics Office 1.62. To use these formats in version 1.62:

1. Select *File* / *Import.* The *Import* dialog appears.
2. In the *Custom* tab, click **New Format**. The *Define ASCII Import Format* dialog appears.
3. In a text editor, open the version 1.5 ASCIIimp.dat file.

4. Copy the appropriate file format into the *Define ASCII Import Format* dialog (Format Body section) in Trimble Geomatics Office.
5. If the field codes referenced in the custom format do not exist in the Trimble Geomatics Office database, right-click to access the shortcut menu, then select the appropriate field.
6. Click **OK**.

The custom format is now defined in the Trimble Geomatics Office 1.62 ASCIIimp.dat file.

Warning – You can follow the same procedure with the custom report and export formats. However, if you copy the ASCIIimp.dat, ASCIIrpt.dat, and ASCIIexp.dat files to the Trimble Geomatics Office system directory, you will overwrite the Trimble Geomatics Office custom formats.
This means that:
- the software will not write the custom formats into the correct tabs
- the custom formats may not work because of the difference between the database table and column structures
- you will lose any new custom formats included with the Trimble Geomatics Office installation

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Using customized information from Trimble Geomatics Office version 1.6

You can use the following Trimble Geomatics Office version 1.6 customized files in version 1.62:

- *.frm – Plan form definition
- *.fcl – Feature and attribute library
- Current.csd – Coordinate system database containing existing and user-defined coordinate systems (including sites, datum transformations, ellipsoids, and geoid models)
- Symbol.sym – Symbol library
- Linetype.ltp – Line type library

Files that have changed

The following files have been updated in Trimble Geomatics Office version 1.62:

- ASCIIrpt.dat – Report format files
- ASCIIimp.dat – ASCII import definition files
- ASCIIexp.dat – ASCII export definition files

You may not be able to use the version 1.6 ASCIIrpt.dat, ASCIIimp.dat, and ASCIIexp.dat files in version 1.62. However, some formats that were defined in the version 1.6 files may still be compatible with Trimble Geomatics Office 1.62.

To use version 1.6 ASCIIimp.dat formats in version 1.62:

1. Select *File* / *Import*. The *Import* dialog appears.
2. In the *Custom* tab, click **New Format**. The *Define ASCII Import Format* dialog appears.
3. Open the version 1.6 ASCIIimp.dat file in a text editor.
4. Copy the appropriate file format into the *Define ASCII Import Format* dialog (Format Body section) in Trimble Geomatics Office.
5. If the field codes referenced in the custom format do not exist in the Trimble Geomatics Office database, right-click to access the shortcut menu, and then select the appropriate field.
6. Click **OK**.

The custom format is now defined in the Trimble Geomatics Office 1.62 ASCIIimp.dat file.

To use version 1.6 ASCIIrpt.dat (custom report) and ASCIIexp.dat (custom export) formats in version 1.62, follow the same procedure.

Warning – You can follow the same procedure with the custom report and export formats. However, if you copy the ASCIIimp.dat, ASCIIrpt.dat, and ASCIIexp.dat files to the Trimble Geomatics Office system directory, you will overwrite the Trimble Geomatics Office custom formats.
This means that:
- the software will not write the custom formats into the correct tabs
- the custom formats may not work because of the difference between the database table and column structures
- you will lose any new custom formats included with the Trimble Geomatics Office installation

Survey Pro software support

This information applies to TDS Survey Pro™ running on the TDS Ranger handheld and to Trimble Survey Pro running on the Trimble TSCe controller. Trimble Geomatics Office has the following support issues with the Survey Pro software:

- **Stake out records**

  Trimble Geomatics Office does not support stake to line or stake to DTM records from the TDS Survey Pro version 3.5. software.

- **Template interpolation differences**

  If you plan to stake intermediate stations, you need to interpolate adjacent corresponding template elements that have a different crossfall or offset. A road definition that is exported from Trimble RoadLink to a TDS Ranger handheld, or to a Trimble 3600/5600 TDS instrument is interpolated differently in TDS products from one represented in RoadLink or Trimble Survey Controller. This difference occurs because the template interpolation method used by RoadLink and Trimble Survey Controller is different from that used in TDS products.

For example, a road may have a constant profile slope, where a template element at station 0.0 has a crossfall of –5% for an offset of 5 m, and the corresponding template element at station 50.0 has a crossfall of –10% for an offset of 10 m.

TDS products calculate the crossfall at station 25.0 as –7.5%, which is the interpolated numeric difference between –5% and –10% from the adjacent stations.

RoadLink and Trimble Survey Controller maintain a constant slope from the outside edge of the template element at station 0.0 to the outside edge at station 50.0. This results in the elevation at station 25.0 being the interpolated numeric difference between the corresponding positions at stations 0.0 and 50.0. Using this interpolated elevation, the calculated crossfall at station 25.0 is –8.333%.

Trimble 3300/3600/5600 Elta support

This section describes the following support issues with Trimble Geomatics Office and Trimble 3300/3600/5600 Elta® instruments:

- **Traverse sideshots**

  If you measure sideshots while performing a traverse, Trimble recommends that you set the 3600 Elta and 5600 Elta instruments to store absolute angles (under menu 9135). If you store orientated angles when performing a traverse, Trimble Geomatics Office will not import sideshots.

- **Stationing**

  Each local scale factor from stationing is imported into Trimble Geomatics Office and is applied to every distance observed from the station.

- **Instrument settings**

  If you use the following devices, Trimble recommends that you always store the current settings on the instrument whenever prompted to do so:

Instrument	earliest version
3300DR	5.62
3600 Elta	1.15
5600 Elta	1.41

  This setting must be turned on under Menu 51 (3300 DR) or Menu 917 (3600 Elta and 5600 Elta).

- **Null point names**

  Trimble recommends that you do not use null point names when importing 3600 Elta or 5600 Elta M5 files into Trimble Geomatics Office.

VRS support

A new point details report has been added, which shows position solution information. Use this report to view VRS data.

To open the report, from the main menu, select *Reports* / *Additional Reports* / *Point details*.

New Software Features

Exporting cross sections from Autodesk to use in RoadLink

To ensure that the road definition is accurately represented in the Trimble RoadLink software, you may need to export more cross sections at critical stations.

To specify additional cross sections:

1. Select *Cross Sections / Existing Ground - Sample From Surface*.
2. Select *Add specific stations* in the *Section Sampling Settings* dialog.

Note – *If you set the Section Sampling Settings from the Projects / Edit Drawing Settings option, you will have to regenerate the cross-sections from the Cross-sections / Existing ground - Sample From Surface option.*

Projection grid and shift grid support

Trimble Geomatics Office version 1.62 supports projection grids. Projection grids are currently used by the Malaysian Cassini State Plane coordinate systems.

Version 1.62 also supports shift grids. Shift grids are currently used by the Royal Dutch (RD) Stereographic coordinate system.

Projection grids and shift grids are also supported in Trimble Survey Controller version 10.7. You can use the Trimble Data Transfer utility to transfer projection grids and shift grids between Trimble Geomatics Office version 1.62 and a Trimble® controller that is running Trimble Survey Controller version 10.7 software.

Note – *If a project contains projection grids or shift grids that were defined in the coordinate system using Trimble Geomatics Office 1.62, you cannot open the project in Trimble Geomatics Office 1.6.*

Improvements to SDR33 file export

When you export SDR33 files from Trimble Geomatics Office 1.62 using US feet or international feet, the correct units are written to the exported file.

Improvements to DXF file support

Improvements have been made for using DXF files as background maps and importing DXF files into Trimble Geomatics Office projects.

Canadian geoid model

The Canadian Geoid Model HT2_0 is now available to use with Trimble Geomatics Office. To download the files, go to http://www.trimble.com/geomaticsoffice_ts.asp?Nav=Collection-71.

For instructions on how to convert the HT2_0.byn file to the required .ggf format, refer to the *readme.txt* file.

The files are also available on the *Trimble Geomatics Office Version 1.62 Software CD* in the folder Additional Files and Utilities \ \ Geoid models \ .

Italian language support

Trimble Geomatics Office 1.62 is now available in Italian.

Documentation Changes

Please note the following changes to the Trimble Geomatics Office 1.6 Help:

Topic	Section	Change
Global Tab	*Edit Advanced Style dialog*	Additional information: **Antenna Model** Use this field to select the Trimble, NGS or IFE antenna model. The IFE models are developed by the Institute for Geodesy using a different procedure from the differential procedure used by Trimble and NGS models.
Default Projection (Transverse Mercator) dialog	NOTE: You must also specify the south azimuth system (if required) and positive coordinate direction. The Trimble Geomatics Office software does not automatically update these fields.	Remove this note