



Allen-Bradley

DriveExplorer™

Version 1.02.xx

Getting Results Manual

Important User Information

Because of the variety of uses for the products described in this publication, those responsible for the application and use of this control equipment must satisfy themselves that all necessary steps have been taken to assure that each application and use meets all performance and safety requirements, including any applicable laws, regulations, codes and standards.

The illustrations, charts, sample programs and layout examples shown in this guide are intended solely for purposes of example. Since there are many variables and requirements associated with any particular installation, Rockwell Automation does not assume responsibility or liability (to include intellectual property liability) for actual use based upon the examples shown in this publication.

Rockwell Automation publication SGI-1.1, *Safety Guidelines for the Application, Installation, and Maintenance of Solid-State Control* (available from your local Rockwell Automation office), describes some important differences between solid-state equipment and electromechanical devices that should be taken into consideration when applying products such as those described in this publication.

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Throughout this manual we use notes to make you aware of safety considerations:



ATTENTION: Identifies information about practices or circumstances that can lead to personal injury or death, property damage or economic loss.

Attention statements help you to:

- Identify a hazard.
- Avoid the hazard.
- Recognize the consequences.

Important: Identifies information that is critical for successful application and understanding of the product.



TIP: Identifies information that is helpful in using the product.

Summary of Changes

The information below summarizes the changes to the documentation since its last release. For information about the changes to the DriveExplorer software, please review the release notes in the DriveExplorer online help.

Updated Information

All information formerly in the *DriveExplorer User Manual*, Publication 9306-5.0, can now be found in this *DriveExplorer Getting Results Manual*, Publication 9306-5.2, or the online help.

In addition, the *DriveExplorer Getting Results Manual* and online help cover these new features:

Feature	Refer to
Tool bar	Chapter 1, Welcome to DriveExplorer
Status bar	Chapter 1, Welcome to DriveExplorer
Print to a text file	Online help
Added navigation when editing parameters	Online help
More information about parameters	Online help
Information about custom configured drives	Online help

Notes:

Using This Manual

Read this preface to become familiar with the rest of the manual.

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Intended Audience

Use this manual if you are responsible for using DriveExplorer™ software to monitor and edit parameters in Allen-Bradley SCANport™ products and adapters. You should be familiar with:

- Microsoft® Windows™ operating systems
- Allen-Bradley SCANport™ products and adapters.



ATTENTION: Hazard of equipment damage, injury, or death exists. Only people familiar with Allen-Bradley products and the associated machinery the products control should plan or implement the installation, configuration, and maintenance of the product. Failure to comply may result in personal injury and/or equipment damage.

DriveExplorer Documentation

This Getting Results Manual

This manual is designed to get you started using DriveExplorer by providing:

- Information explaining the uses and interface of DriveExplorer.
- Instructions to help you complete basic tasks such as installing the software and starting the application.
- Information about finding instructions to complete more sophisticated tasks using the online help.

Online Help

The online help includes overview, procedural, screen, and reference information for DriveExplorer. The help is context-sensitive with the application and provides you with immediate access to application tasks and screen element descriptions. Refer to [Chapter 3, Finding the Information That You Need](#), for a detailed description of the online help.

Related Documentation

All documentation for DriveExplorer is in the online help and this manual. Updated information will be posted on <http://www.ab.com/drives/driveexplorer>.

You may need to refer to the documentation for your communications adapter(s) and SCANport product(s). This documentation is shipped with the adapter or product. It is also available online at <http://www.ab.com/manuals>.

Document Conventions

The following conventions are used throughout this manual:

- To access commands, you are given the menu, submenu (if applicable), and then the command. For example, if you read “Select **File > Save > Parameters**,” you should click the **File** menu, point to **Save** to display its submenu, and then click the **Parameters** command.
- The convention for identifying software versions is as follows: Z.yy.xx
 - Z = Major Release Number
 - yy = Updates
 - xx = Minor Updates

This manual is for versions 1.02.xx.

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TIP: Free copies of the lite versions of DriveExplorer are available on the Allen-Bradley web site: <http://www.ab.com>.

Features and Benefits

DriveExplorer is a 32-bit Windows application that you can use to monitor and configure Allen-Bradley SCANport products and adapters. It can be run on computers using Windows 95, Windows 98, Windows CE, or Windows NT®.

The full versions are called “DriveExplorer” and “Pocket DriveExplorer” (Windows CE). The Lite versions, which have limited features, are called “DriveExplorer Lite” and “Pocket DriveExplorer Lite.” Features of the different versions include the following:

Feature	Version	
	Lite	Full
Configure the communications port	Yes	Yes
Connect to a local device using an RS-232 DF1 serial connection	Yes	Yes
Connect to a single device via a DeviceNet™ or ControlNet™ network	No	Yes
Connect to multiple devices on a DeviceNet or ControlNet network	No	Yes
Monitor parameters	Yes	Yes
Edit parameters	Yes	Yes
Upload and save parameters to a file	Yes	Yes
Print parameters	Yes	Yes
View and clear faults/alarms in a product	Yes	Yes
View information about a product	Yes	Yes
View and clear events in an adapter	Yes	Yes
View information about an adapter	Yes	Yes
Show/hide hidden parameters	No	Yes
Compare parameters to defaults or a file	No	Yes
Quick jump to a parameter	No	Yes
Use custom views	No	Yes
Create and display links (if supported by the product)	No	Yes
Print parameters to a text file (New to version 1.02)	Yes	Yes

Products and Adapters Compatible with DriveExplorer

DriveExplorer can be used with Allen-Bradley SCANport products or a 160 SSC™ drive using a 160-RS1 adapter. The following list identifies many of the compatible products:

- 1305 Drive (FRN 2.xx or greater)
- 1336 FORCE™ Drive
- 1336 IMPACT™ Drive
- 1336 REGEN Line Regeneration Package
- 1336 PLUS Drive
- 1336 PLUS II Drive
- 1336 SPIDER Drive
- 1394 Servo AC Drive
- 1397 DC Drive
- 1557 Medium Voltage AC Drive
- 2364 RGU DC Bus Regen Front End
- 160 SSC Drive
- SMC™ Dialog Plus
- SMP-3 Smart Motor Protector

The product must be connected to one of the following adapters:

Adapter	Required Cable(s)
1203-SSS	SCANport cable and 1203-SFC RS-232 serial cable
1203-CN1	SCANport cable, 1203-SFC RS-232 serial cable, and ControlNet™ network cable(s)
1203-GU6	SCANport cable, 1203-SFC RS-232 serial cable, and DeviceNet™ network cable
1203-GK2 1203-GD2 1336-GM2	SCANport cable and standard straight-thru serial cable
160-RS1	Standard straight-thru serial cable The 160-RS1 is compatible only with the 160 SSC drive.
1203-GK5 1336-GM5 1336-GM6	SCANport cable and DeviceNet network cable These adapters do not have serial ports. They and connected products can be accessed via a DeviceNet network if a 1203-GU6 communications module or 1761-NET-DNI is used on the network. A full version of DriveExplorer is required.
1761-NET-DNI	Serial and DeviceNet cables (Refer to the user manual) This adapter can be used to connect a computer running DriveExplorer or a 160 drive with a 160-RS1 adapter to a DeviceNet network. However, you cannot use DriveExplorer to configure this adapter.

Important: If you are using an HPC (handheld computer), you also need a null modem converter (e.g., Allen-Bradley 1203-SNM) and the HPC cable included with the HPC.

Safety Precautions



ATTENTION: Hazard of injury or equipment damage exists. Only people familiar with Allen-Bradley products and the associated machinery the products control should plan or implement the installation, configuration, or maintenance of the product. Failure to comply may result in injury or equipment damage.



ATTENTION: Hazard of injury or equipment damage exists. When you reset or power cycle an adapter, the connected product may fault because of the communications loss. Verify that you can reset or power cycle an adapter safely.



TIP: To access the Quick Start while working in DriveExplorer, select **Help > Help Topics** in the menu bar on the DriveExplorer window. Then, click “Use the quick start.”

Quick Start

This section guides you through the steps that you will need to perform in order to use DriveExplorer software. To remain focused on the high-level nature of each task, the following steps do not include step-by-step instructions. When you are ready to use DriveExplorer software, you should follow the detailed instructions in the Quick Start, which is located in the DriveExplorer online help.

Step		Refer to
1	<p>Install and start DriveExplorer</p> <p>Before you can use DriveExplorer, you have to install it on the hard disk of your computer. After installing the software, start DriveExplorer using the Windows Start menu or the DriveExplorer icon on your Windows desktop.</p>	Chapter 2, Installing and Starting DriveExplorer
2	<p>Connect your computer to a product</p> <p>Use an adapter and required cable(s) to connect your computer to a product. If you connect to a 1203-GU6 DeviceNet adapter or 1203-CN1 adapter and if you have a full version of DriveExplorer, you can connect to SCANport products on the network.</p>	Chapter 1, Welcome to DriveExplorer
3	<p>Configure your communications port</p> <p>By default, DriveExplorer is configured to communicate using:</p> <ul style="list-style-type: none"> • Communications port 1 • 9600 baud rate • BCC checksum • 3 second time out. <p>If these settings are not compatible with the settings in your adapter, select Explorer > Configure Communication, and then select the desired settings in the Configure Communication Port dialog box.</p>	Online Help
4	<p>Connect to a product</p> <p>You must connect to a product to establish communications between the computer and the product. With full versions of DriveExplorer, there are three types of connections. A <i>Local</i> connection establishes point-to-point communications with the product physically connected to your computer. A <i>Single</i> connection establishes communications with any one product on a network. A <i>Multiple</i> connection establishes communications with multiple products on a network. Select Explore > Connect > Local or Single or Multiple to connect to a product.</p>	Online Help
5	<p>Monitor and edit parameters</p> <p>After you are connected to a product, you can monitor parameters by selecting a product or an adapter in the Device (left) pane. Its parameters appear in the Parameter (right) pane. You can edit parameter value by double-clicking the parameter in the Parameter pane.</p> <p>Important: When editing parameters, refer to your user manual for details about parameters, such as whether changes take effect immediately or require a reset and whether a drive must be stopped before you can edit a parameter.</p>	Online Help
6	<p>View information about a product or adapter</p> <p>You can click a product or adapter in the Device pane and then select Explore > Properties to view information about it.</p>	Online Help
7	<p>Upload and save parameters to a file</p> <p>After you edit parameters, you can upload them and save them to a file on your computer. The file can be used as a back up file, printed, or downloaded to another drive (if it is the same type).</p>	Online Help

Understanding Types of Connections

To use DriveExplorer, you must physically connect your personal computer or HPC (handheld computer) to a product. [Figure 1.1](#) through [Figure 1.5](#) illustrate some possible connections.

Figure 1.1 Serial Connection from a Computer

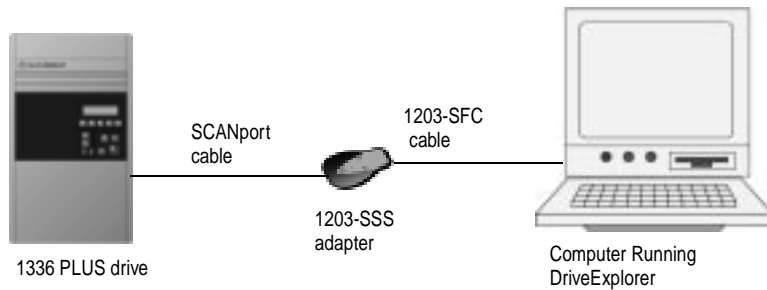
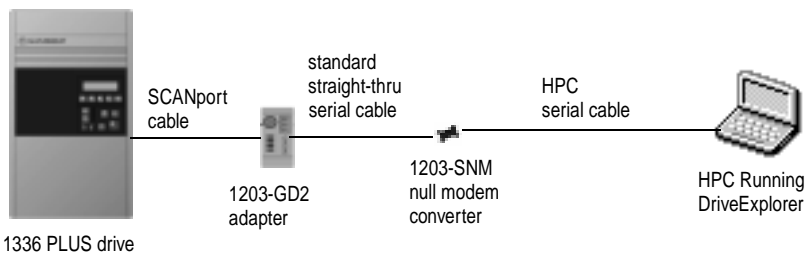


Figure 1.2 Serial Connection from an HPC



Important: When you connect an HPC to an adapter, you must use either a null cable converter (e.g., 1203-SNM) or a standard computer null cable with two male 9-pin sub-miniature D connectors. In this example, we use a 1203-SNM null modem converter.

Figure 1.3 Serial Connection to a Bulletin 160 Drive Using a 160-RS1 Adapter

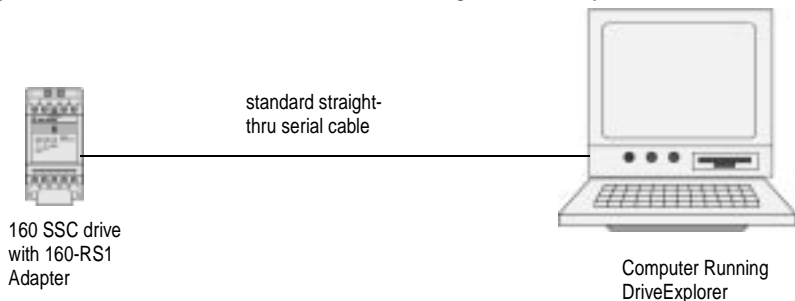
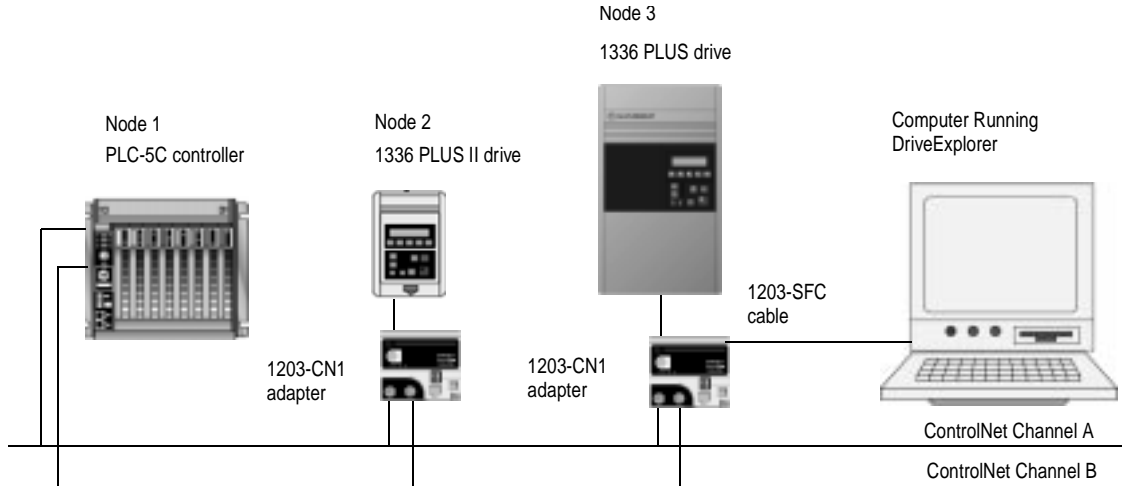
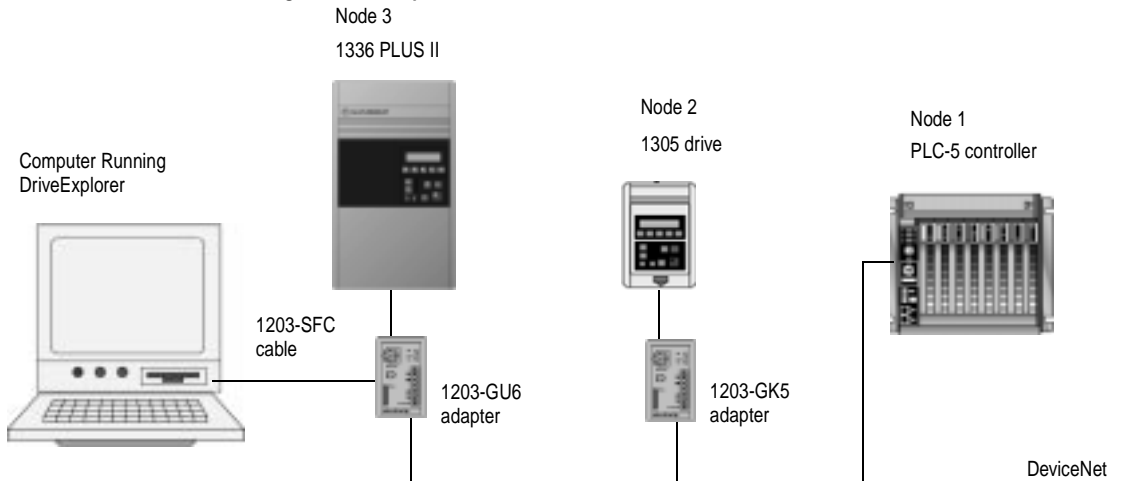


Figure 1.4 Example ControlNet Network



Important: DriveExplorer cannot communicate with controllers (e.g., PLC, SLC, or Logix5550), so it can access only nodes 2 and 3 on this example network.

Figure 1.5 Example DeviceNet Network

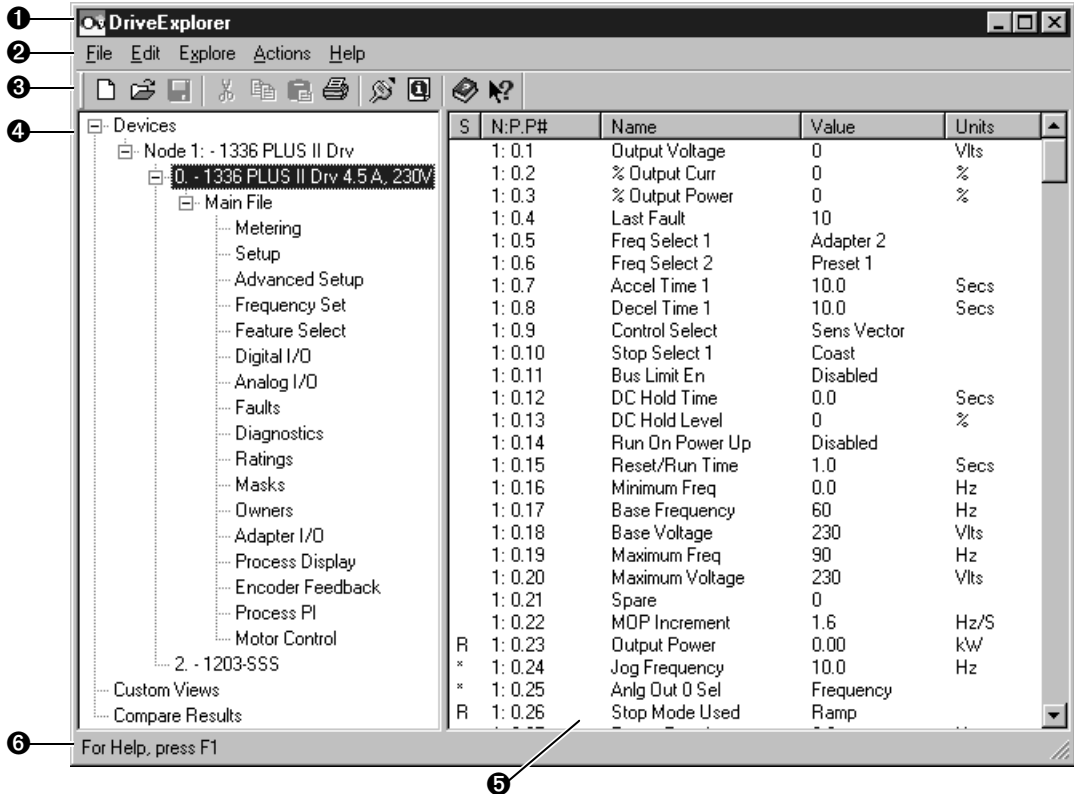


Important: DriveExplorer cannot communicate with controllers (e.g., PLC, SLC, or Logix5550), so it can access only nodes 2 and 3 on this example network. DriveExplorer can communicate with any node on a DeviceNet network that uses one of the following adapters: 1203-GU6, 1336-GM6, 1203-GK5 (FRN 2.xxx), or 1336-GM5 (FRN 2.xxx). You must use at least one 1203-GU6 so that you can connect a computer to the network.

Exploring the Elements of the DriveExplorer Window

When you start DriveExplorer software, the DriveExplorer window appears. [Figure 1.6](#) shows the elements of the DriveExplorer window after a connection is made to a 1336 PLUS II drive. Each element is described in sections following the illustration.

Figure 1.6 DriveExplorer Window



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Title Bar

The title bar shows the DriveExplorer icon, the name of the software product (i.e., DriveExplorer), and the Minimize, Maximize and Close buttons.

Figure 1.7 Title Bar



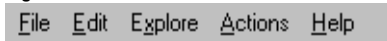
To view the Control menu, click the DriveExplorer icon on the title bar. The following commands are on the Control menu.

Command	Description
Restore	Restores the window to its former size after you enlarged it by using the Maximize command.
Move	Allows you to reposition the window on the desktop using the arrow keys on the keyboard.
Size	Allows you to resize the window using the arrow keys on the keyboard.
Minimize	Shrinks the window to an icon which is located on the Windows task bar. This performs the same function as if you clicked the Minimize button on the title bar.
Maximize	Enlarges the window to occupy the entire screen. This performs the same function as if you clicked the Maximize button on the title bar.
Close	Exits the DriveExplorer application. This performs the same function as if you clicked the Close button on the title bar.

Menu Bar

Commands in DriveExplorer are organized in the following menus:

Figure 1.8 Menu Bar



Menu	Description
File	Create, open, save, or delete custom views. Also, print, print to a text file, or save parameter data and exit DriveExplorer.
Edit	Cut, copy, and paste selected parameters into custom views.
Explore	Configure communications, connect to a drive, and display device properties.
Actions	Upload, download, monitor, edit, link, and compare parameters. Also, work with Non-Volatile Storage (NVS) in a product and adjust columns in the DriveExplorer window.
Help	View the online help or information about DriveExplorer.

Important: Not all commands are available with Lite versions of DriveExplorer.

Many menu commands are dynamic and are available only in certain situations. For example, the Cut command is available only when a parameter in a custom view is selected.



TIP: For a description of a specific menu command, use the online help.

Tool Bar












The tool bar (new in version 1.02) contains shortcuts to several commonly used commands. Each button on the tool bar is a graphical representation of a command (except context-sensitive help) that is available from the DriveExplorer menu bar.

Important: The tool bar may not appear in DriveExplorer if you are using an early version or Windows CE 2.0.

The following commands appear on the DriveExplorer tool bar:

Figure 1.9 Tool Bar

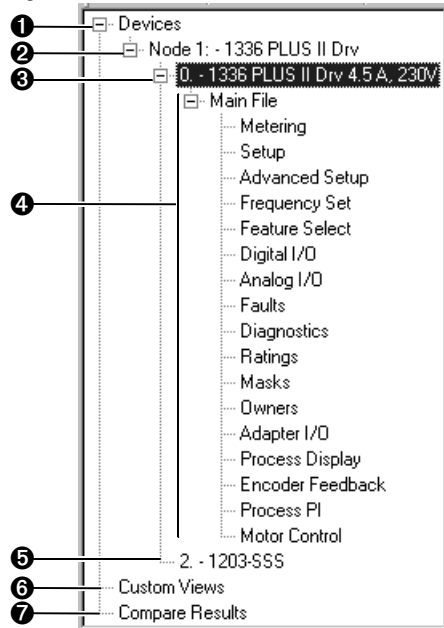


Button	Menu Selection	Description
	File > New Custom View	Creates a custom view. In a custom view, you can group parameters from different products or adapters so that you can monitor them on the same screen.
	File > Open Custom View	Opens a previously saved custom view.
	File > Save > Custom View Config	Saves a custom view to a file. This command is available only when a custom view is selected.
	Edit > Cut	Removes parameters from a custom view and copies them to the clipboard. This command is available only if a parameter in a custom view is selected.
	Edit > Copy	Copies the selected parameter(s) to the clipboard. This command is available only if you have selected one or more parameters.
	Edit > Paste	Takes the contents of the clipboard and places it into a custom view. This command is available only if there is data on the clipboard.
	File > Print	Prints the parameters displayed in the right pane.
	Explore > Connect > Local	Connects DriveExplorer to the product to which you are physically connected.
	Explore > Device Properties	Displays information about the selected product or adapter. Information about a product includes general information, status/feedback, alarms, and faults. Information about an adapter includes general information, events, input data, and output data. This command is available only when a product or adapter is selected in the left pane.
	Help > Help Topics	Displays the online help. You can click the Help Topics button in the Help window to open the contents tab, which contains a list of topics ("books").
		Activates the What's This help mode. A question mark will appear next to the mouse pointer. You can click a menu command to display its topic in the help file. After you click the menu command, you are no longer in What's This help mode.

Device Pane

The left pane is the Device pane. The device(s) to which you are connected, custom views that you have created, and the results of comparisons that you have performed appear in this pane. You can expand a branch in this pane by clicking a plus sign. You can collapse a branch by clicking a minus sign.

Figure 1.10 Device Pane



Number	Item	Description
❶	Devices	Heading under which the devices to which you are connected appear.
❷	Node	A node is a product and its adapter(s). A number and name identify each node.
❸	Product	The product port number, name, and description. The port number 0 indicates that a device is a product, not an adapter. In Figure 1.10 , the product is a 1336 PLUS II drive.
❹	Files and Groups	Logically ordered collections of the parameters. In Figure 1.10 , there is one file which contains seventeen groups. Important: Not all products organize parameters into files and groups.
❺	Adapter	The adapter port number and name. In Figure 1.10 , a 1203-SSS converter is connected to port 2.
❻	Custom Views	Heading under which the custom views that you have created appear. A custom view is a group of parameters from different products and adapters that you put on the same screen to make monitoring easier.
❼	Compare Results	Heading under which the results of a compare appears. In DriveExplorer, you can compare the parameter values in a selected device to parameter values in a DriveExplorer file or to factory-default parameter values.

Parameter Pane

The right pane is called the Parameter pane. Detailed information about the parameters in the selected device, group, custom view, or comparison appear in this pane. [Figure 1.11](#) illustrates an example.

Figure 1.11 Parameter Pane

S	N:P:P#	Name	Value	Units
	1: 0.1	Output Voltage	0	Vlts
	1: 0.2	% Output Curr	0	%
	1: 0.3	% Output Power	0	%
	1: 0.4	Last Fault	10	
	1: 0.5	Freq Select 1	Adapter 2	
	1: 0.6	Freq Select 2	Preset 1	
	1: 0.7	Accel Time 1	10.0	Secs
	1: 0.8	Decel Time 1	10.0	Secs
	1: 0.9	Control Select	Sens Vector	
	1: 0.10	Stop Select 1	Coast	
	1: 0.11	Bus Limit En	Disabled	
	1: 0.12	DC Hold Time	0.0	Secs
	1: 0.13	DC Hold Level	0	%
	1: 0.14	Run On Power Up	Disabled	
	1: 0.15	Reset/Run Time	1.0	Secs
	1: 0.16	Minimum Freq	0.0	Hz
	1: 0.17	Base Frequency	60	Hz
	1: 0.18	Base Voltage	230	Vlts
	1: 0.19	Maximum Freq	90	Hz
	1: 0.20	Maximum Voltage	230	Vlts
	1: 0.21	Spare	0	
	1: 0.22	MOP Increment	1.6	Hz/S
R	1: 0.23	Output Power	0.00	kW
*	1: 0.24	Jog Frequency	10.0	Hz
*	1: 0.25	Anlg Out 0 Sel	Frequency	
R	1: 0.26	Stop Mode Used	Ramp	

Column	Description
S	S (Status). In this column, you see whether a parameter is R (Read Only) or * (Editable). When DriveExplorer is monitoring live data, these symbols appear and disappear.
N:P:P#	N (node number) is the network node number for the device. P (port number) is the port number for the device. P# (parameter number) is the parameter number in the device.
Name	The parameter name.
Value	The value of the parameter.
Units	The unit of measurement for the parameter.

Status Bar

The status bar (new in version 1.02) is located at the bottom of the DriveExplorer window. It provides a brief description about the command or tool bar button over which the mouse pointer is positioned, or it reminds you that pressing F1 calls the online help.

Important: The status bar may not appear in DriveExplorer if you are using an early version or Windows CE 2.0.

Figure 1.12 Status Bar



Installing and Starting DriveExplorer

Chapter 2 provides instructions for installing DriveExplorer on your computer or handheld computer.

For Information on ...	Refer to ...
System Requirements	2-1
Updating an Existing Installation	2-2
Installing DriveExplorer on Windows 95, 98, or NT	2-2
Installing DriveExplorer on Windows CE	2-3
Starting DriveExplorer	2-4

System Requirements

Windows 95, Windows 98 or Windows NT (4.0 or greater)

Personal computer using 486 66MHz processor or better with at least 16 MB of RAM and 2 MB of hard disk space, VGA monitor, CD-ROM drive (for installation), mouse or other Windows pointing device.

Windows CE (SH3 processor)

Windows CE 2.0 or 2.11, HPC 3.0 using SH3 processor with at least 12 MB of RAM, 700 KB of available program memory, and 700 KB of storage memory.

Windows CE (MIPS processor)

Windows CE 2.0 (only), HPC using MIPS processor with at least 12 MB of RAM and 700 KB of available program memory and 700 KB of storage memory.

Windows CE (Strong ARM processor)

Windows CE 2.11, HPC 3.0 using Strong ARM processor with at least 16 MB of RAM, 700 KB of available program memory, and 700 KB of storage memory.

Updating an Existing Installation

If a 1.01 version of DriveExplorer or DriveExplorer Lite is already on your computer, you should uninstall it before installing the new version.

1. Click the **Start** button, and then select **Settings > Control Panel**.
2. Double-click **Add/Remove Programs**.
3. Select DriveExplorer from the list of installed programs, and then click **Add/Remove**.
4. Click **Yes** to confirm the uninstall procedure. The Remove Programs from Computer dialog box appears.
5. After the uninstall is complete, click **Ok**. You are now ready to install the new version of DriveExplorer.

Installing DriveExplorer on Windows 95, 98, or NT

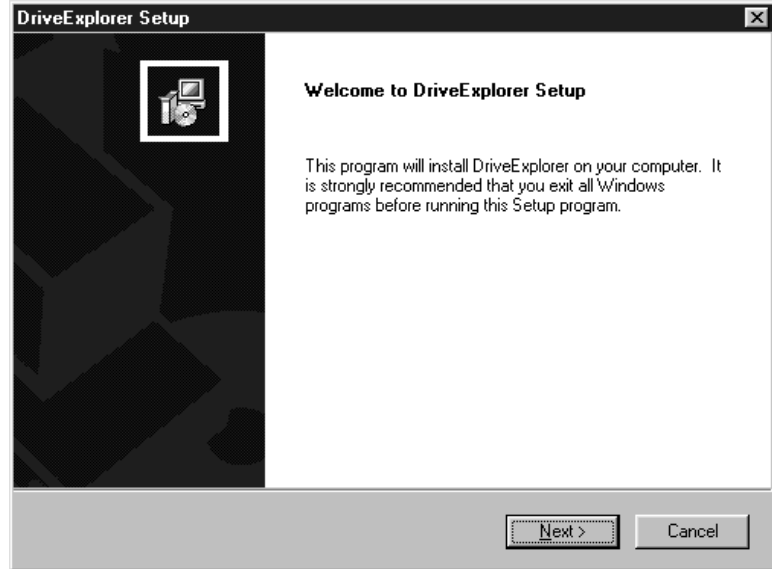
A Lite version of DriveExplorer that you can install on a computer running Windows 95, 98, or NT is available from the Allen-Bradley web page and on a CD shipped with some products. A full version may be purchased from Rockwell Automation.

1. Start the DriveExplorer installation wizard using one of the following methods:

If you:	Then:
Received a copy of on CD.	<ol style="list-style-type: none"> 1. Insert the DriveExplorer CD into your CD drive. The installation wizard should start automatically. If it does not, start Windows Explorer, click the CD drive, and then double-click Setup.exe to display the DriveExplorer Setup dialog box. 2. Click the PC with Windows 95/98/NT4.0+ button to display the setup wizard.
Downloaded a copy from the Internet.	<ol style="list-style-type: none"> 1. Start Windows Explorer and navigate to the folder in which you saved the downloaded file. 2. Double-click DriveExplorer Lite Setup.exe to start the setup wizard. 3. Read the product information, and then click Next. 4. Read the license agreement, and then click Next to display the setup wizard.

2. Follow the instructions in the setup wizard.

Figure 2.1 DriveExplorer Setup Wizard



Installing DriveExplorer on Windows CE

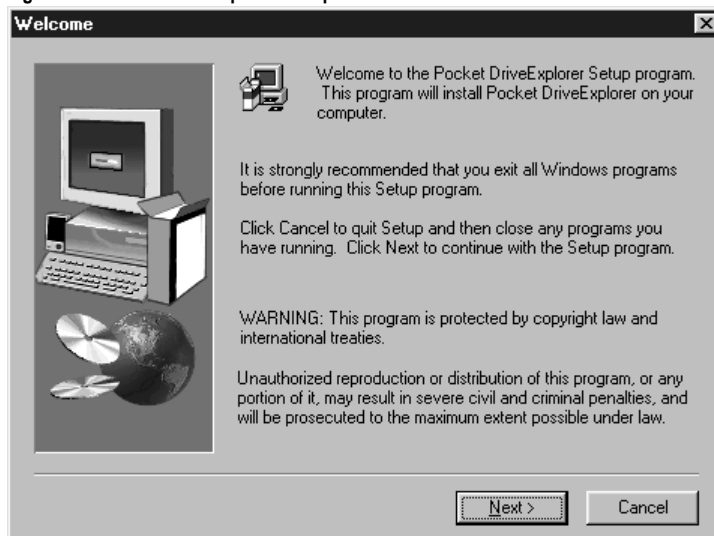
A Lite version of Pocket DriveExplorer that you can install on an HPC (handheld computer) running Windows CE is available from the Allen-Bradley web page and on a CD shipped with some products. A full version may be purchased from Rockwell Automation.

1. Establish a serial connection between your desktop computer and HPC. Refer to your HPC user manual for instructions.
2. Start the DriveExplorer installation wizard using one of the following methods:

If you	Instructions
Received a copy of on CD.	<ol style="list-style-type: none"> 1. Insert the DriveExplorer CD into your CD drive on your desktop computer. The installation wizard should start automatically. If it does not, start Windows Explorer, click the CD drive, and then double-click Setup.exe to display the DriveExplorer Setup dialog box. 2. Click the H/PC running Microsoft Windows CE 2.xx button, and then select the version of DriveExplorer that you want to install. 3. Select the DriveExplorer application that you want to install, and then click OK to start the installation.
Downloaded a copy from the Internet.	<ol style="list-style-type: none"> 1. Start Windows Explorer and navigate to the folder in which you saved the downloaded file. 2. Double-click DriveExplorer Lite Setup.exe to start the setup wizard. 3. Read the license agreement, and then click Next to display the setup wizard.

3. Follow the instruction in the setup wizard on the desktop computer.


Figure 2.2 Pocket DriveExplorer Setup Wizard



4. Respond to any prompts displayed on the HPC to complete the installation.

Starting DriveExplorer

DriveExplorer can be started using the following methods:

- If you are using Windows 95/98/NT, click the **Start** button, then select **Programs > DriveExplorer Application > DriveExplorer**.
- If you are using Windows CE, click the **Start** button, then select **Programs > Pocket DriveExplorer**.
- On any Windows platform, double-click the DriveExplorer shortcut icon  on the desktop.

Finding the Information That You Need

Chapter 3 reviews the sources of additional information about DriveExplorer software.

For Information on ...	Refer to ...
Using the Online Help	3-1
Rockwell Automation Technical Support	3-2

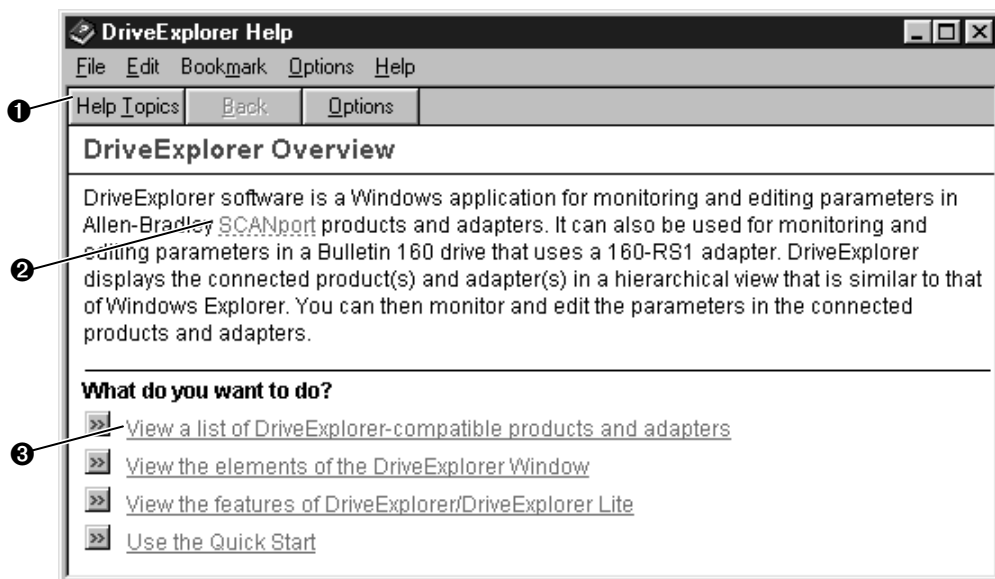


TIP: If you are searching for specific information, click **Help Topics**, click the **Index** tab or **Find** tab, and then type the topic about which you want information.

Using the Online Help


DriveExplorer online help provides information on the release, quick start steps, general information about DriveExplorer, descriptions of the elements in the DriveExplorer window, step-by-step procedures, and troubleshooting information.

Figure 3.1 Contents Tab in the Windows 95/98/NT DriveExplorer Help




Number	Item	Description
①	Help Topics Button	Click Help Topics to display the contents window.
②	Pop Up	Click words that have a dotted underline to pop up definitions.
③	Jump	Click words that have a solid underline to jump to descriptions or procedures.


Displaying the DriveExplorer Help

- Select **Help > Help Topics** on the DriveExplorer menu bar.
- Click  on the DriveExplorer tool bar.
- Press F1.

Finding Help on a Command

To display help on a command, click  on the DriveExplorer tool bar, and then click the menu command or tool bar button. A brief description of each command is also displayed on the status bar when you move your mouse pointer over the command or button.

Finding Help on a Dialog Box

To display help on a dialog box, click  on the title bar on the dialog box, and then click the dialog box. You can also press F1. The help topic about the dialog box will be displayed.

Rockwell Automation Technical Support

If you cannot find answers to your questions in the Getting Results manual or online help, you can email Rockwell Automation Technical Support at: RADriveExplorerSupport@ra.rockwell.com.

When you contact technical support, you should be prepared to give the following information:

- product serial number
- product version number

The product serial number and version number can be found in the software by selecting **Help > About DriveExplorer**.

- type of computer and operating system that you are using
- exact wording of any errors or messages that appeared on your screen
- description of what happened and what you were doing when the problem occurred
- description of how you attempted to solve the problem

Adapter

A device that provides an interface between a product and a network. It is often referred to as a peripheral. For example, the 1203-SSS converter is an adapter.

Baud Rate

A unit of signaling speed equal to the number of discrete conditions per second. DriveExplorer (version 1.01.xx) supports baud rates of 9600, 19.2K, and 38.4K. DriveExplorer (version 1.02.xx) supports baud rates of 2400, 4800, 9600, 19.2K, and 38.4K. You must select the baud rate that your computer and adapter are using.

Checksum

An error detection scheme to ensure that communications are accurate. DriveExplorer uses either a BCC or CRC for a checksum. You must select the type that your adapter is using.

ControlNet

A deterministic, high-speed control layer network. If you connect to the serial port on a 1203-CN1 adapter and have a full version of DriveExplorer, you can connect to any SCANport product using a 1203-CN1 adapter on the network.

Custom View

A collection of parameters that you select. Parameters from different products and adapters can be included in the same custom view so that you can monitor them on the same screen. A custom view can be saved and opened at a later time.

Device

An adapter or product.

DeviceNet

A producer/consumer Control Area Network (CAN) that connects controllers and devices such as drives. If you connect to the serial port on a 1203-GU6 adapter and have a full version of DriveExplorer, you can connect to any SCANport product (if it is using a DriveExplorer-compatible adapter) on the network.

HPC

An HPC (handheld PC) is a miniature computer that runs the Microsoft Windows CE operating system. There is a DriveExplorer program that runs on Windows CE, and there is a different DriveExplorer program that runs on Windows 95 and Windows NT. Both share a similar interface and can share files.

Node

A product and its adapter(s) that are connected to a network.

Product

A device with which you can use DriveExplorer. DriveExplorer presently works with SCANport products and the Bulletin 160 drive with a 160-RS1 adapter. An example of a SCANport product is the 1336 PLUS.

SCANport

An Allen-Bradley peripheral communications protocol used by various Allen-Bradley drives and power products.

Time-out

The number of seconds that DriveExplorer will wait for a response message from the adapter. If a response message is not received in the specified time, DriveExplorer will report a communications error and ask if you want to continue monitoring parameters.

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Notes:

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