

INSTRUCTION MANUAL

Data Viewer Program

DVP-100

For data export of battery test results to PC

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Chapter 1: Installation

Install IR receiver

Serial IR Receiver (P/N 301-035)

Connect the Infrared (IR) receiver to a free COM port of the computer.

USB IR Receiver (P/N 301-090)

Connect the Infrared (IR) USB receiver to a free USB port of the computer. Connecting the USB receiver to a USB-hub is possible but not advised.

Note: When using a USB IR receiver, it may be required to install the USB receiver driver to allow the operating system to recognize the receiver as a "USB-to-Serial" device. The driver software can be found on the installation disk of the DVP program.

Install program

Insert the installation disk in the computer. The installation wizard will appear automatically. Follow the steps of the installation wizard to successfully finish installation of the program.

If the installation wizard does not start automatically, select the DVP setup file on the installation disk manually.

Note: In case of re-installation of the DVP program or installation of a newer version, it is advised to completely remove the old DVP program from the computer prior to reinstallation of the program.

Chapter 2: On first use

Customer details

Make sure the IR receiver is connected and open the DVP program.

When opening the DVP program the first time, the program will request to fill out customer mandatory data. Fill out your company or personal details and click "OK".

ame and Address	Logo	General		
Show in Progr				
Name:				
Address:		1		
Phone:		÷	 	_
Fax:				
E-mail:				
Internet:				6
Dealer Id:				

Select COM port

On start up, the program will automatically scan the COM ports in use and will show the possible COM ports for selection.

Select the COM port which is connected to your IR receiver. When you are using a USB IR receiver, the receiver should appear as a "USB Serial Port" or "USB-to-Serial" device. A virtual COM port will be addressed to the USB receiver.

Configure COM Port
Serial
USB Serial Port (COM12)
Ok Cancel

Chapter 3: Settings and configuration

Language settings

To change the language of the DVP program, select "Configuration" -> "Language". Select the preferred

language.

Note: Changing the language when received data is displayed, the language change will not affect the field headers. Transmit the data again or restart the DVP program after changing the language to apply the language setting to all fields in the program.

🔋 DVP-100 Data View	er Program		
File Configuration Help			
COM Port			
🎯 Language 🛛 🕨	English		
	Deutsch		
Battery Management	Nederlands		
Dealer Id: none	Francais		
Midtronics by	Espanol		
	Italiano		
Lage Dijk-Noord 6 3401 VA IJsselstein	Turkce		
The Netherlands	Svenska		
	Russkij		
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	Portugues		
service-europe@midtronics	Polski	Waiting for data	
www.midtronics.com	Norsk	indicing for decem	
	Magyar		
	Suomi		
	Dansk		
	Cestina		
	Slovenscina		
	Latviesu		
	Eesti		
	Lithouanian		

COM port settings

To change the COM port settings of the DVP program, select "Configuration" -> "COM Port".

Note: In case the program does not respond to send data after changing the COM port settings, close and re-open the program.

Company details setup

The program enables displaying and printing personal company details and logo's on the test report.

<u>Company details</u>

Select "Configuration" -> "Setup" -> "Name and Address" to add/modify you company or personal details.

Visibility of your company details in the program and/or on the printed report can be enabled or disabled by selecting "Show in program" and "Show in report"

<u>Company logo</u>

Select "Configuration" -> "Setup" -> "Logo" to add and remove you personal company logo to the program.

Visibility of your company logo in the program and/or on the printed report can be enabled or disabled by selecting "Show in program" and "Show in report"

Note: Only files with the extension .BMP can be used as a logo.

Additional battery test information

Select "Configuration" -> "Setup" -> "General" to enable or disable the pop-up of the additional information screen after transmission of the battery test data.

The additional information will become visible in the data report.

Complete Data	
Data has been received from the battery Before continuing the data must be com the following test details.	
Note: Canceling this window means loos test data.	ing the
Test Reference	
O Delivery to dealer	
O Dealer's stock vehicle	
O Predelivery to customer	
O Regular service	
Claim	
○ No	
OYes	
Ok (Cancel

Chapter 4: Menu options

Menu options

The DVP program includes the following menu options:

<u>New</u>

Click on "New" to receive new data when received data is already displayed on the screen. The DVP program will show "Waiting for data."

Note: When new data is received with old data still displayed and not saved, the program will automatically load the new received data. Unsaved data will be prompted to be saved.

DVP-100)
1	New test results have been received but the current test results have not been saved yet. Do you want to save these results before the new results are processed?
	<u>Y</u> es <u>N</u> o Cancel

<u>Open</u>

Open, modify and print previously stored test results.

<u>Save</u>

Save the received and manually added battery test data to a location of your preference. Stored test result can be reopened at any time by the DVP program.

<u>Print</u>

Print the results to a regular printer connected in the available computer network or local.

Note: The DVP program will automatically print on the printer which is set as "Default" on your computer.

<u>Statistics</u>

Depending on the ability of the battery tester used, the statistics of the battery tester are being transferred together with the battery test results.

The DVP program will allow to view battery tests statistics by tester model and serial number for management purposes.

Chapter 5: Receiving test data

Process to receive data from the tester

<u>Waiting for data</u>

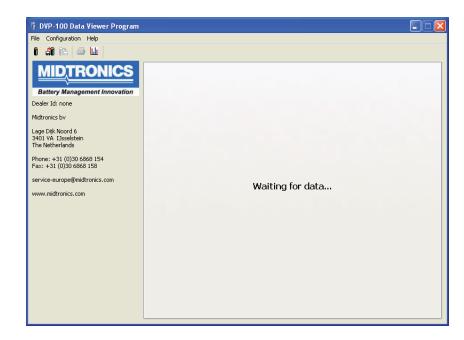
The DVP program is stand-by to receive data for as long as the text "Waiting for data..." is displayed.

<u>Transfer data</u>

Aim the IR transmitter to the IR receiver and select "Export data" in your battery tester. Keep the tester aimed to the IR receiver until the screen changes and the data is fully received.

General vehicle information

The first tab allows to register all vehicle specific information. This information will be added to the report when printed.



File Configuration Help EXP 1000 HD Image: Configuration Help Image: Help Ima			🔋 DVP-100 Data Viewer Program
Battery Management Innovation Dealer Id: none Midtronics bv Lage Dijk Noord 6 3401 VA Dssektein The Netherlands Phone: +31 (0)30 6868 154 Fax: +31 (0)30 6868 158			File Configuration Help
Vehicle Battery Management Innovation Dealer Id: none Midtronics bv Model Lage Dijk Noord 6 3401 VA IDsektein The Netherlands Phone: +31 (0)30 6668 154 Fax: +31 (0)30 6668 158)0 HD		1° 41 62 🥌 🛄
service-europeigmidtronics.com www.midtronics.com	est Cranking Test	Vehicle VIN Make Model License Mileage	Battery Management Innovation Dealer Id: none Midtronics bv Lage Dijk Noord 6 3401 VA I3sselstein The Netherlands Phone: +31 (0)30 6868 154 Fax: +31 (0)30 6868 158 service-europe@midtronics.com
Battery		Battery	
Production Code		Production Code	
Claim nr.		Claim nr.	
Customer		Customer	
Name		Name	
Address		Address	
Postal Code		Postal Code	
City		City	
Phone		Phone	

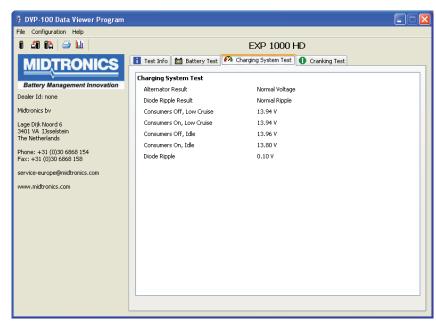
Battery test

The second tab will show all details of the battery test performed.

🔋 DVP-100 Data Viewer Program		
File Configuration Help		
1° 41 R 😂 🛄	EXP 1000 HD	
A Constraint of the service -europe@midtronics.com	Test Info Image: Battery Test Image: Charging System Test Image: Cranking Test Test Reference Regular service Claim Yes Date 22 Mar 2010 Time 18:13 Serial Number 1234567890 Yehicle Description Type Passenger Car Number of Batteries 1 Test Conditions Battery Location In Vehicle Post Location In Vehicle Post Location Battery Test	
	Battery Technology Regular Battery Standard EN Battery Rating 360 A Rating V 12.00 Battery Temperature 16 °C Surface Charge Detected No Test Results 276 A	<u>v</u>

<u>Alternator test</u> (only when full system test is performed)

When a full system test is performed, the result of the alternator test is reported separately on the third tab.



<u>Cranking test</u> (only when full system test is performed)

When a full system test is performed, the result of the cranking test is reported separately on the fourth tab

Note: Check the manual of the battery tester for any details regarding the use of the "Export Data" menu.

Battery Management Innovation bealer Id: none Notronics bv age Djik Noord 6 401 YA Dissekterin he Netherlands hone: + 31 (0)30 6666 154 ax: + 31 (0)30 6666 159 ervice-europe@midtronics.com
erviceeurope@midtronics.com

Chapter 6: Compatibility

Menu options

Compatibility between battery tester and DVP program could be limited to single or few models. To check the compatibility of the DVP program and battery tester, select "Help" -> About" and check if the battery tester is registered in the list of testers for this DVP program.

Battery testers which are not registered in the list of battery testers in the DVP program will not be compatible with that DVP program. The DVP program will not be able to receive data from tester no defined in the tester list.

About	
MIC	DTRONICS
Battery	Management Innovation
Product Information	Contact Information
Produce ini ormacion	
Version:	1.9.17.6
Copyright:	2009, Midtronics b.v.
Testers:	inSPECT 45 inSPECT 45 BMP inSPECT 65 inSPECT 65 BMP inSPECT 65 BMP Honda Factory inSPECT 65 BMP Nissan inSPECT 85 BMP inSPECT 85 MDX-690 EXP 1000 BMP
-	Close

Chapter 7: FAQ

I exported the data but the program keeps showing "Waiting for data..."

Tester and receiver not aligned

Make sure the IR transmitter of the tester and the IR receiver are aligned when exporting the data.

Incorrect COM-port

Check to which COM-port the IR receiver is connected. Make sure the matching COM-port is selected in the DVP program.

When you are using an USB-device, check to which COM-port the receiver is addressed by the PC. (Configuration / System / Hardware / Device Manager)

COM-port not working

Make sure the COM-port is working. Try another COM-port or another PC.

<u>DVP corrupted</u> Re-install the software and retry.

<u>IR receiver not working</u> Replace the IR receiver and retry.

Internal batteries of the tester low

When the batteries in the tester are running low, the IR signal could become weaker. Check the condition of the internal batteries in the tester and replace when necessary.

I exported the data but the error "The received data could not be matched to a know tester" appears

About

<u> Print data / Export data</u>

To export the data to the DVP program, the menu option "Export Data" is required.

When the "Print" option is used, no data will be received.

Incorrect DVP

Check if the DVP program is compatible with the tester.

Open the DVP program and select "Help" -> "About" to check if the tester is in the list.

Use the correct DVP for the tester type.

Product Information Contact Information Version: 1.9.17.6 Copyright: 2009, Midtronics b.v. Testers: InSPECT 45 InSPECT 45 BMP InSPECT 45 BMP InSPECT 65 BMP

I did NOT export any data to the program but the program suddenly is showing "The received data could not be matched to a know tester" error message

Noise signals

IR receivers can be sensitive for external signals other than the signal from the tester. Make sure the IR receiver is isolated from any other IR signals.

I have connected a USB receiver, but it does not appear in my COM port settings

<u>USB driver</u>

Make sure you have installed the driver for the USB IR receiver. Normally the driver is available on the installation disk of the DVP program. If you do not have the driver software, please contact Midtronics (service-europe@midtronics.com).

I have a serial receiver but my new computer does not have a serial port anymore. What can I do?

<u>USB receiver</u>

USB IR receivers are available. Contact Midtronics or your local distributor for purchase options of the USB IR receiver.

USB-to-Serial converter

Use a USB-Serial converter to connect the serial receiver to a COM port.

Note: Not all universal USB-Serial converters work properly!

My computer already has an integrated IR eye. Does this operate as well?

Probably not. Integrated IR receivers do not operate with the DVP program as it does not address a COM port to the receiver.

The program does not select or show my logo

<u>Incorrect logo format</u> Make sure the required logo is in .BMP format.

Logo is disabled in setup menu

Make sure the logo settings are enabled to show the logo on the screen and the printed report.

The original DVP installation disk is lost or broken. How do I obtain a new disk?

Please contact Midtronics (service-europe@midtronics.com).

Can I export multiple test at once or export previous tests stored on my SD card?

No. Only the last test is available for data export. Previous tests stored on the SD card cannot be recalled in the tester.

	Logo General	
Show in Progr	ram	
Show in Repo	et	
Clear	Open	Transparent Background

My tester is not in the list of testers that match the DVP version I have. How do I make the DVP work with my tester?

Please contact Midtronics (service-europe@midtronics.com).