



# **User Manual**





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The accompanying software, provided for use with the d-briDGe PRO, is also copyrighted. Permission is granted to copy this software for back-up purposes only.

# I M P O R T A N T

To ensure your success with this product, it is essential that you read this document carefully before using the hardware. Damage caused by misuse of the hardware is not covered under product warranty.

When using this manual, please remember the following:

- D This manual may be changed, in whole or in part, without notice.
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# 1. Safety First

It is essential that the user read this document carefully before using the hardware.

The d-briDGe PRO device is to be used by those trained in vehicles troubleshooting and. The user is assumed to have a very good understanding of the electronic systems contained on the vehicles and the potential hazards related to working in a shop-floor environment.

DG understands that there are numerous safety hazards that cannot be foreseen, so we recommend that the user read and follow all safety messages in this manual, on all of your shop equipment, from your vehicle manuals, as well as internal shop documents and operating procedures.



- D Always block all wheels both front and back when testing.
- D Use extreme caution when working around electricity. When diagnosing any vehicle, there is the risk of electric shock both from battery-level voltage, vehicle voltages, and from building voltage.
- D Do not smoke or allow sparks or open flames near any part of the vehicle fueling system or vehicle batteries.
- D Always work in an adequately ventilated area, and route vehicle exhaust outdoors.
- D Do not use this product in an environment where fuel, fuel vapor, exhaust fumes, or other potentially hazardous liquids, solids, or gas/vapors could collect and/or possibly ignite, such as in an unventilated area or other confined space, including below-ground areas.

# 2. Introducing the d-briDGe PRO

The d-briDGe PRO product is used to connect vehicle and equipment communication networks to personal computers (PCs). This allows programs written for the PC to communicate with the respective vehicle through OEM software or 3<sup>rd</sup> party software applications to perform various actions with the vehicle retrieving fault codes, component information, as well as perform component level diagnostics, tests, and component reprogramming. All of these actions are controlled by the OEM or 3<sup>rd</sup> party software and vary by OEM and/or 3<sup>rd</sup> party. The d-briDGe PRO communicates with the PC using a USB cable and comes standard with Society of Automotive Engineers (SAE) J2534-compliant drivers..

It is strongly recommended to review and read all documentation available regarding the d-briDGe PRO as well as all documentation available from the respective OEM for the use of J2534 devices with their applications. Proper set-up with the OEM applications is essential. OEM battery voltage maintenance requirements may vary, but regardless, it is very important to maintain proper battery voltage for the duration of communications with the vehicle. A battery voltage maintaining-type device is strongly recommended to be connected to the vehicle.

Features for the d-briDGe PRO include:

- D Illuminated power, pc connection, vehicle connection and warning indicators
- D Molded OBDII cable with J1962 compliant connector
- D SAE J2534-2



# 2.1. J2534 OEM Software Compatibility

The d-briDGe PRO is a SAE J2534-compliant interface (an SAE standard for electronic module reprogramming – sometimes call the "Pass Thru Programming" standard). Per Euro 5 regulations, listed are the OEMs, compliancy status and service websites. Website links and information is subject to change at any time.

**Note:** The d-briDGe PRO is not compatible with the Ford J1850PWM protocol commonly found on many Ford vehicles prior to 2008.

OEM	J2534 compliant?	Website	
Alfa Romeo	No	www.technicalinformation.fiat.com	
Audi	Yes	https://erwin.audi.com	
BMW	Yes	https://oss.bmw.de/index.jsp	
Chevrolet	Yes	www.gme-infotech.com	
Chrysler	Yes	https://www.techauthority.com/	
Citroen	Yes	http://service.citroen.com/	
Dacia	Yes	http://www.infotech.renault.com/fo/accueil.action	
Daewoo	Yes		
Dodge	Yes	https://www.techauthority.com/	
Fiat	No	www.technicalinformation.fiat.com	
Ford	Yes	www.etis.ford.com	
Honda	Yes	www.techinfo.honda-eu.com	
Hyundai	Yes	www.hyundaitechinfo.com	
Jaguar	Yes	http://topix.jaguar.jlrext.com	
Jeep	Yes	https://www.techauthority.com/	
Kia	Yes	www.kia-hotline.com	
Lancia	No	www.technicalinformation.fiat.com	
Land Rover	Yes	http://topix.landrover.jlrext.com	
Lexus	Yes	www.toyota-tech.eu	
Mazda         Yes         https://mapps.mazdaeur.com/mud		https://mapps.mazdaeur.com/mud	
Mercedes	Yes	www.service-and-parts.net	
Mitsubishi	Yes	www.mitsubishitechinfo.com	
Nissan	Yes	https://eu.nissan.biz	
Opel	Yes	www.gme-infotech.com	
Peugeot	Yes	http://public.servicebox.peugeot.com	
Porsche	Yes	https://techinfo2.porsche.com/PAGInfosystem/VFModuleManager?Type=GVOStart	
Renault	Yes <u>www.infotech.renault.com</u>		
Saab	Yes	Yes <u>http://saabtechinfo.com/Site/SAAB</u>	
Seat	Yes <u>https://erwin.seat.com</u>		
Skoda	Yes	https://erwin.skoda-auto.cz	
Smart	Yes	www.service-and-parts.net	
Subaru	Yes	Yes <u>www.subaru-repairinfo.com</u>	

Suzuki	Yes	http://serviceportal.suzuki.eu
Toyota	Yes	www.toyota-tech.eu
VW	Yes	https://erwin.volkswagen.de
Volvo	Yes	https://tis.volvocars.biz/tis

## 2.2. Standards and Protocols Supported

## 2.2.1. Operating Systems and Standards Supported

#### **D** Operating Systems

- Windows 7® 32-bit and 64-bit Versions
- Windows 8® 32-bit and 64-bit Versions
- Windows 8.1® 32-bit and 64-bit Versions
- Windows 10® 32-bit and 64-bit Versions

#### D Protocols Supported

- 4 DW HS CAN (CAN/ISO15765/J1939) Channels
  - (1 channel is selectable as SW CAN (CAN/ISO15765)
- 1 ISO9141/KWP Channel (K and L lines)
- o 1 J1850 VPW Channel
- 1 HONDA UART Channel
- All Channels have the capability of operating simultaneously

#### **D** APIs Supported

o SAE J2534 with support for: CAN, ISO15765, J1939, SW CAN, ISO9141, KWP, J1850 VPW

## 2.3. System Requirements

If you are not familiar with selecting a PC for your diagnostic applications, we recommend reviewing the respective OEM recommended J2534 minimum PC requirements.

The following items are recommended or required.

Item	Requirement	
PC	IBM-Compatible	
Processor	1GHz or Faster	
RAM	256MB (512MB Preferred)	
USB Port	USB Version 1.1 or Higher	
Operating System	Windows 7 (32-bit or 64-bit) Windows 8 (32-bit or 64-bit) Windows 8.1 (32 or 64 bit) Windows 10 (32 or 64 bit)	

# 3. Getting Started with the d-briDGe PRO

# 3.1. Driver Installation



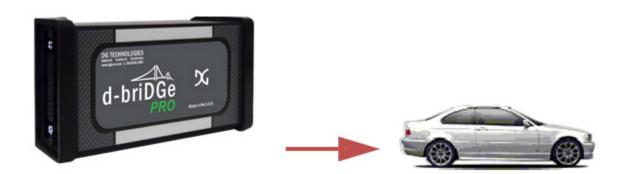
The d-briDGe PRO drivers provided on the installation CD are installed by inserting the disc into your PC's CD-ROM drive.

# 3.2. Connect to the Vehicle

Connect the USB cable to the PC and to the d-briDGe PRO.



Now, connect the d-briDGe PRO to the vehicle, verifying that the d-briDGe PRO *Power* LED is lit.



# 3.3. d-briDGe PRO Lighting Scheme

On the reverse side of the d-briDGe PRO unit, the label will provide a quick-reference visual as to the meaning of the different lighting schemes for the d-briDGe PRO. However, review the detailed strategy below for more details in use.



#### **Detailed Strategy:**

Mode	LED
Power / Start-up phase	White (running)
Power / Standby mode	White (steady)
Connected to PC	Blue (steady)
Connected to PC but no power from OBD-II	Red flashes interrupt steady Blue
Connected to PC and communicating with vehicle	Blue and Green alternating
Firmware download/update	Red flashing
Connected to PC, trying to establish comm. with vehicle but no response	Blue and Green alternating -> Blue steady
Communicating with vehicle but lost USB connection	Blue flashes interrupt steady Green
Warning	Red (steady)



# 3.4. Finalize PC Install on Windows 7 64-bit or 8

## 3.4.1. 64-bit Vista and Windows 7 installed successfully

After installing on Vista or Windows 7/8, simply plug the d-briDGe PRO into the PC via the USB cable. The d-briDGe PRO is powered on. The following screen will display in the lower right corner for about five seconds.



This screen follows and the d-briDGe PRO is now ready for use.



**Note:** Windows 10 displays no windows to confirm that the device is installed

# 4. J2534 – Troubleshooting J2534

There are typically two problem areas with J2534 devices. Each problem is discussed in following sections:

## 4.1. Connection-Related Issues

After you have installed the d-briDGe PRO drivers and connected the d-briDGe PRO to both the PC and vehicle, make sure that the d-briDGe PRO **Power** LED is turned on. Run the J2534 Adapter Validation Tool (JVT) to ensure that the PC is able to communicate with the d-briDGe PRO, and that the d-briDGe PRO is able to see vehicle data bus traffic.

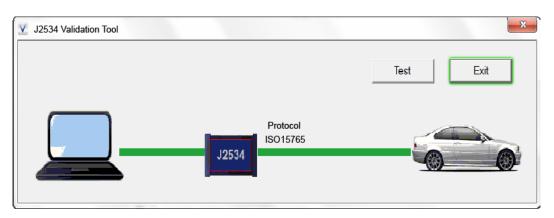
Locate and click on the d-briDGe Validation Utility by finding and executing the software application.
 Example: Start > Programs > Dearborn Group Products > d-briDGe J2534 > d-briDGe

Example: Start > Programs > Dearborn Group Products > d-briDGe J2534 > d-briDGe Validation Utility.

- Ensure proper connections of d-briDGe PRO to vehicle and PC.
- Turn ignition key to "On" and click on **Test**.



- This is a Pass/Fail test. Upon completion of a successful test, you will see the screen above. The two
  green lines indicate that communication from the J2534 device and the PC was successful as well as
  the communication from the J2534 device and the vehicle was successful. Vehicle protocol that was
  detected is also displayed.
- Click on **Exit** when done.



#### 4.1.1. JVT Test Outcomes

⊻ J2534 Validation Tool	×
	Test Exit
J2534	

- This screen indicates a communication problem between the J2534 device and the PC.
  - Ensure both connections at each end of USB cable, between the J2534 device and the PC, are secure.
  - Ensure J2534 device was properly installed on PC and possibly re-install.
  - Ensure the J2534 device is powered with power light illuminated.
  - If problem persists, try a different USB port and/or cable.

J2534 Validation Tool			×
		Test	Exit
	J2534		

- This screen indicates a communication problem between the J2534 device and the PC.
  - Ensure both connections at each end of the OBDII cable between the J2534 device and the vehicle are secure.
  - Ensure vehicle ignition key is "On" and that J2534 device is powered.
  - If problem persists, ensure the J1962 and other vehicle wiring is connected correctly and securely. Keep in mind, it may be an issue on the vehicle itself.

## 4.2. USB-Related Issues

If you plug in a d-briDGe PRO (or any other USB device) and get the New Hardware Found wizard, do not click cancel. Go through the wizard completely!

IF YOU SELECT Cancel, THE d-briDGe PRO WILL NOT WORK!

# 5. **Product Specifications**

# 5.1. d-briDGe PRO Physical and Electrical

Feature	Data
Dimensions	5.0 x 2.75 x 1.125 inches
Voltage Requirements	9 – 32 Volts DC
Current Requirements	250mA maximum through voltage range
Operating Temperature Range	-40 to +85C
Wired PC Communications Type	USB Version 1.1 or higher
Wired PC Connection	USB cable (9 - 15 feet)
Vehicle-Side Connector	25 pin D type
PC-Side Connector	Standard Type-B USB
PC Device Drivers	J2534

# 5.2. *d-briDGe PRO Pinouts*

DB25 Female	Signal	Comment
1	K-line	
2	CAN 3 Lo	
3	STG	
4	No Connect	
5	J1850 Bus +	
6	Gnd	Ground
7	No Connect	
8	VBatt	Vehicle Power
9	CAN 4 Hi	
10	SW CAN / DIAG-H	Pin switched
11	L-Line / STG	Pin switched
12	CAN 1 Lo / Diag-H	Pin switched
13	CAN 1 Hi	
14	No Connect	
15	No Connect	
16	GM UART / Prog Voltage	Pin switched
17	CAN 3 H	
18	No Connect	
19	CAN 4 Lo	
20	No Connect	
21	No Connect	
22	CAN 2 Lo	
23	No Connect	
24	CAN 2 Hi	
25	STG / Prog Voltage / CAN 2 Lo	Pin switched

Note: Pins that are marked as 'No Connect' are reserved and should not have anything attached to them.

# 6. DG Update – Program Overview

DG Update is an application that is installed with your d-briDGe PRO drivers. It will run (by default) once every 30 days, and will keep you up-to-date with the latest versions of drivers for all your d-briDGe PRO products. With this application running regularly and Automatic Firmware Update turned on, this will keep your d-briDGe PRO up-to-date with drivers and firmware. DG recommends our customers keep up-to-date so that your OEM and component manufacturer diagnostic applications run smoothly.

The utility will run once every 30 days as a user logs on. This value is configurable, but defaults to 30 days. It can also be invoked manually from the Windows Start Menu:

Start > Programs > Dearborn Group Products > d-briDGe J2534 > DG Update

## 6.1. DG Driver Update – Internet Connection Required

The DG Driver Update utility depends on successfully connecting to the Internet (to one of DG's servers) to retrieve the latest version information and to download the latest drivers and applications if necessary.

Many companies install firewalls and virus protection and these may block the DG server queries and responses. If you are connected to the Internet and have issues running DG Update (getting "Unable to connect to the internet to check for updates." messages), ensure that your firewall or virus protection will allow a connection to the following Internet host/site and port: **fh.dtech.com, port 8888**. There are too many firewall and virus programs on the market to cover in this manual, however if you contact your network administrator and give him the host and port number, he should be able to configure your PC to allow the communication. You may also consult the Windows help system and/or the documentation for your firewall and/or virus protection software.

## 6.2. DG Driver Update – Initial Screen

When the utility runs as a user logs on, the following screen will appear in the lower right hand corner of the screen. If you want to check for updates, ensure that your PC is connected to the Internet and click **Continue**. Clicking **Cancel** will cause DG Update to wait until the next time it is scheduled to run. Clicking **Continue** will bring up the main update screen.

TECHNOLOGIES Vehicle Network Solutions		
Would you like to check for updates now?		
CONTINUE		

## 6.3. DG Driver Update – Main Update Screen

The main screen appears looking like this. Depending on which DG products are installed on your PC, the grid will display pertinent information about them. When selecting DG Update from the Windows Start Menu, this is the first screen to appear.

DG Technologies - Di	DG Technologies - Driver and Software Updater - Varsion 1.56				
	DG Tech	DG Technologies Driver and Software Updater			
	Item Name		Installed Version		
	DC121032	DFA 4/4 Fluc and Prior DFA	Unknown		
	DR121032	- Allison Transmissions DPA 4/4 Plus	Unknown		
- Y	DGDPAS	- DFA 5	Unknown		
	DGVSI32	- VSI-2534	Unknown		
	DBRIDGE	- DG d-briDGe	Unknown		
	RP1210 Utilit:	ies - DGD, AVT, etc.	Unknown		
		Check For Updates Exit	Advanced Settings		

Connect your PC to the Internet and click the **Check For Updates** button. Due to the nature of TCP/IP communications, errors connecting or sending/receiving of data are slow to appear, however the user will eventually be notified if there was a problem.

If the check for updates was successful, the second column of the grid will display information returned from the DG server showing the most current versions and the **Install Status** row will change to red, green or blue.

Color	Description	
Green	Drivers up-to-date. No update necessary.	
Red	Drivers are outdated. Update recommended.	
Blue Drivers on your PC are newer than current version. This usually indicates you are running a beta copy of the d-briDGe PRO drivers.		

#### 6.3.1. Successful Connect – No Updates Available

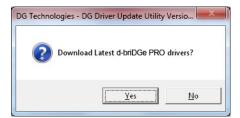
DG Technologies - DG Driver Update Utility				
	Dearborn Group Driver and Software Updater			
	Item Name	Latest Version		
000	DG121032 - DPA 4/4 Plus and Prior DPA	6.00000=Current		
	DR121032 - Allison Transmissions DPA 4/4 Plus	2.20000=Current		
	DPA4P - DPA 4 Plus	1.02000=Current		
	DGDPA5 - DPA 5	1.25000=Current		
	DGVSI32 - VSI-2534	2.5.28.0=Current		
	DPA Utilities - DGD, AVT, DG Update	1.16000=Current		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VSI Utilities - DLM2, JVT, DG Update	2.30000=Current		
	•	•		
1 TANK				
	Check For Updates Exit	Help Advanced Settings		
	All drivers installed	d are up-to-date.		

In this case, all drivers are current (green), and the **Download** button and progress bar do not display (see next paragraph). Clicking **Exit** will exit the program.

## 6.3.2. Successful Connect – Updates Available

	Name	Ind Software Updater
DG12	1032 - DPA 4/4 Plus and Prior DPA	6.00000=Current
DR12	1032 - Allison Transmissions DPA 4	4/4 Plus 2.20000=Current
DPA4	P - DPA 4 Plus	1.02000=Current
DGD P.	A5 - DPA 5	1.25000=Outdated
DGVS	I32 - VSI-2534	2.5.28.0=Current
DPA	Utilities - DGD, AVT, DG Update	1.16000=Current
VSI	Utilities - DLM2, JVT, DG Update	2.30000=Current
1/5/1		
150	~	
a for		Download
11	0%	/ Bytes

In this case, for example, the DG DPA 5 drivers are out of date (red), and the **Download** button and progress bar show up on the screen. The progress bar will keep you informed of the download progress should you choose to download the latest drivers by clicking the **Download** button. When you click the **Download** button, you will be prompted to confirm starting of the download.



**Note:** The DG Update application can only download and install one item at a time. The user will be prompted for whichever one they want to update first. The reason that only one can be downloaded at a time is that the after the drivers are unzipped the installation program begins automatically. The DG Update program must exit because the installation program may have a newer version of the DG Driver Update utility to install.

After choosing **Yes**, the program will download the drivers and update the progress bar while doing so. Once the drivers have been downloaded, the application will unzip them and start the installation process. The dialog box will go away after the install has been started.

	Latest Versi	on
Prior DPA		
Salo Data Ay 4 a Loo		
Update	1.16000=Curr	ent
Update	2.30000=Curr	ent
		Download
		Download
1,712,230/34	,232,973 Byte	23
	Prior DPA Long DPA 4/4 Plug Update 5 Update 1,712,230/344	Lons DPA 4/4 Plus 2.2000=Curr 1.2200=Curr 1.2500=Curr 2.5.28.0=Cur Update 1.1600=Curr

After the drivers have been downloaded (to the Windows temp directory – if you wish to save them for other machines), they will be unzipped and the program will exit right after starting the new driver installation.

## 6.4. Advanced Settings – Setting Default Time for Check for Updates

If you want to turn off, or alter the timeout period where the user is prompted to check for updates (the dialog below), press the **Advanced Settings** button.

TECHNOLOGIES Vehicle Network Solutions			
	Would you like to check for updates now?		
CONTINUE	CANCEL		

The following dialog box will be displayed. To turn off the checking prompt, set the value to zero. Otherwise, you can set the number of days between checks.

Advanced Settings	
Enter number of days be Acceptable values are fro Default value is 30 days. Days Between Checks:	
Salaria Sa	cel

# 7. J2534 Configuration Utility

Locate and click on the J2534 Validation Utility by finding and executing the software application: Start > Programs > Dearborn Group Products > d-briDGe J2534 > J2534 > d-briDGe Config Utiliy

🚡 d-briDGe Config U	tility X
Vendor	Dearborn Group, Inc.
Name	d-briDGe
ProtocolsSupported	CAN:1,ISO14230:1,ISO15765:1,ISO9141:1,J1939_PS:2,SW_ISO15765_PS:1,SW_CAI
ConfigApplication	C:\Dearborn Group Products\d-briDGe J2534\dbriDGeUtility.exe
FunctionLibrary	C:\WINDOWS\SysWOW64\dbriDGe.dll
APIVersion	04.04
ProductVersion	1.06.01
Turn Logging ON	Configuration Get Firmware Version
ОК	Cancel d-briDGe USB

Firmware version can be obtained from powered device only.

# 7.1 Create J2534 Log File

Log file might be requested by DG Customer support in some cases. To create J2534 Log File check **Turn Logging ON**.

🚡 d-briDGe Config U	tility	x	
Vendor	Dearborn Group, Inc.		
Name	d-briDGe		
ProtocolsSupported	CAN:1,IS014230:1,IS015765:1,IS09141:1,J1939_PS:2,SW_IS015765_PS:1,SW_	CAI	
ConfigApplication	C:\Dearborn Group Products\d-briDGe J2534\dbriDGeUtility.exe		
FunctionLibrary	C:\WINDOWS\SysWOW64\dbriDGe.dll		
APIVersion	04.04		
ProductVersion	1.06.01		
🔲 Turn Logging ON	Configuration Get Firmware Version		
ОК	Cancel d-briDGe USB	•	

Click on **Configuration** button to specify the logging.

🚡 d-briDGe Config U	tility	2	
Vendor	Dearborn Group, Inc.		
Name	d-briDGe		
ProtocolsSupported	CAN:1,JS014230:1,JS015765:1,JS09141:1,J1939_PS:2,SW_JS015765_PS:1,SW_CAT		
ConfigApplication	C:\Dearborn Group Products\d-briDGe J2534\dbriDGeUtility.exe		
FunctionLibrary	C:\WINDOWS\SysWOW64\dbriDGe.dll		
APIVersion	04.04		
ProductVersion	1.06.01		
Turn Logging ON	Configuration     Get Firmware Version       Cancel     d-briDGe USB		

Below is the recommended selection:

Logging Configuration		
Logging Type Fror Trace Data		
Logging Method     O Overwrite Logs		
OK Cancel		

**Append Log** selection will continue to add to the log file. Many applications connect with the device multiple times. Turn Off the logging when finished.

**Overwrite** selection will capture only the last connection.

Confirm by clicking on **OK** button all the way up.

The log file will have extension ".csv" and can be found under: "C:\Dearborn Group Products\d-briDGe J2534\ J2534d-briDGe.csv"

# 8. Technical Support and Return Merchandise Authorization (RMA)

## 8.1. Technical Support

After reading and following the troubleshooting and validation procedures and not being able to resolve an issue, please feel free to contact DG technical support. For users in the United States, technical support is available from **9 a.m. to 5 p.m. Eastern Time**. You may also fax or e-mail your questions to us. For prompt assistance, please include your voice telephone number.

## Users not residing in the United States should contact your local DG representative.



DG Technologies Technical Support

Phone: Fax: E-mail: Web site: (248) 888-2000 (248) 888-9977 <u>techsupp@dgtech.com</u> <u>www.dgtech.com</u>

## 8.2. Return Merchandise Authorization (RMA)

If technical support has deemed that there may be a physical problem with your device, you will be issued you an RMA number. You would then return the product to the following address:



Product Service/Repairs Attn: RMA# xxxxxx DG Technologies 33604 West 8 Mile Road Farmington Hills, MI 48335

# 9. Warranty Information and Limitation Statements

## 9.1. Warranty Information

Dearborn Group, Inc. Tool is warranted against defects in materials and workmanship. Check the DG website for the device warranty conditions.

Cables (both USB and vehicle) are warranted for 90 days.

Dearborn Group, Inc. will, at its option, repair or replace, at no cost to the customer, products which prove to be defective during the warranty period, provided the defect or failure is not due to misuse, abuse, or alteration of the product. The customer is responsible for shipment of the defective product to DG. This warranty does not cover damage to any item that Dearborn Group, Inc. determines has been damaged by the customer's abuse, misuse, negligence, improper assembly, modification, or operation of the product.

A Return Merchandise Authorization (RMA) number must be issued to the customer by our Technical Support Department at (248) 888-2000 and must be included with the product being returned (for more details, see section Return Merchandise Authorization (RMA)). A DG Tool is warranted for 90 days after a warranty repair, or to end of the original factory warranty period, whichever is longer.

## 9.2. Limitation Statements

## 8.2.1. General Limitation and Risk Assignment

To the maximum extent permitted by applicable law, Dearborn Group, Inc. and its suppliers provide support services on an "as-is" basis and disclaim all other warranties and conditions not specifically stated herein, whether express, implied or statutory, including, but not limited to, any warranties of merchantability or fitness for a particular purpose, lack of viruses, accuracy or completeness of responses, results, lack of negligence or lack of workmanlike effort, and correspondence to description. The user assumes the entire risk arising out of the use or performance of the device, its operating system components, and any support services.

#### 8.2.2. Exclusion of Incidental, Consequential and Certain Other Damages

To the maximum extent permitted by applicable law, in no event shall Dearborn Group, Inc. or its suppliers be liable for any special, incidental, indirect or consequential damages whatsoever, including but not limited to: damages for loss of profit, loss of confidential or other information; business interruption; personal injury; loss of privacy, failure to meet any duty (including good faith or of reasonable care); negligence; and any other pecuniary or other loss related to the use of or the inability to use the device, components or support services or the provision of or failure to provide support services or otherwise in connection with any provision, even if Dearborn Group, Inc. or any supplier has been advised of the possibility of such damages.

## 8.2.3. Limitation of Liability and Remedies

Notwithstanding any damages that you might incur for any reason whatsoever (including, without limitation, all damages referenced above and all direct or general damages), in no event shall the liability of Dearborn Group, Inc. and any of its suppliers exceed the price paid for the device. The user assumes the entire risk and liability from the use of this device.

## 8.2.4. Right to Revise or Update without Notice

Dearborn Group, Inc. reserves the right to revise or update its products, software and/or any or all documentation without obligation to notify any individual or entity.

#### 8.2.5. Governance

The user agrees to be governed by the laws of the State of Michigan, USA, and consents to the jurisdiction of the state court of Michigan in all disputes arising out of or relating to the use of this device.

# 10. Contact

Please direct all inquiries to:

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