



Drive-By-Wire Logger

Procedure to create a recording to assist in
troubleshooting.

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1 Initial Setup

In order to run the Drive-By-Wire Logger, a few things need to be set up first.

1.1 Install Visual C++ Redistributable Package

The Microsoft Visual C++ 2013 Redistributable Package (x64) is required, as well as the USB driver installer. This can be downloaded at

<https://www.microsoft.com/en-us/download/details.aspx?id=40784>

1.2 Install USB Driver

The USB driver can be installed using the **USBDriverInstaller.exe** program, which can be found in

DbwLogger\Driver

relative to the Dataspeed software release directory. To install the drivers, click the **Install Drivers** button in the installer program, as shown in Figure 1.

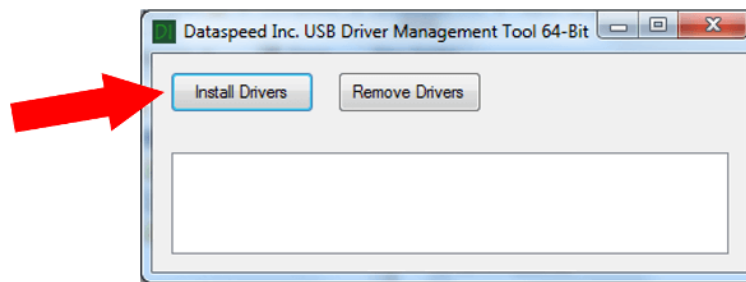


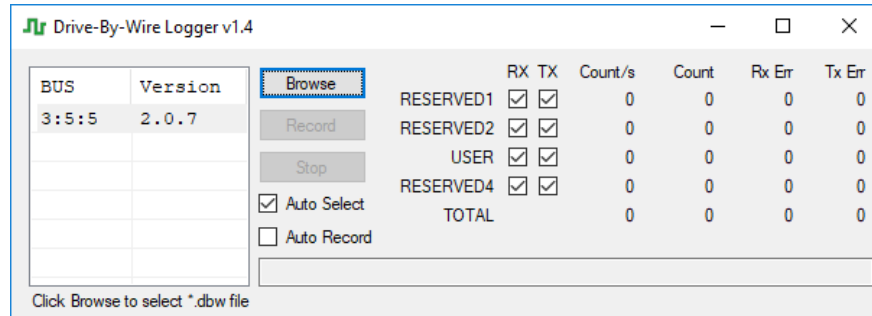
Figure 1: Dataspeed USB driver installation GUI.

- Be sure to run **USBDriverInstaller.exe** as administrator. The installation will hang indefinitely otherwise.
- The installer program requires .NET runtime libraries that might not be installed. These libraries will have to be downloaded and installed.
- If the USB device is connected, disconnect and reconnect it after successful driver installation.

2 Create a Recording

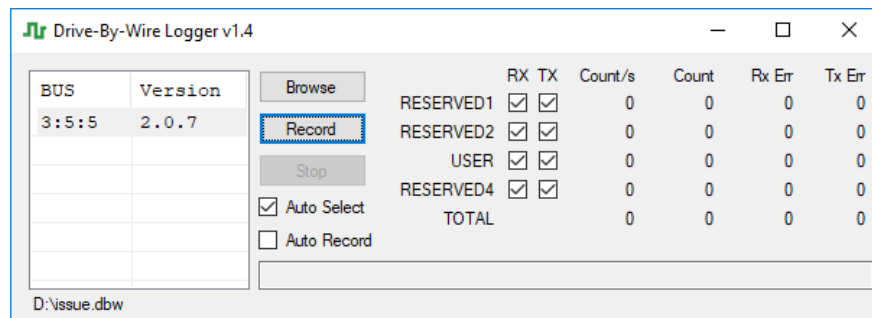
2.1 Connect

Connect to the the Steering/Shifter box in between the glove box and the passenger door. There should be a USB cable hidden in that location. When connected, the firmware version will be displayed.



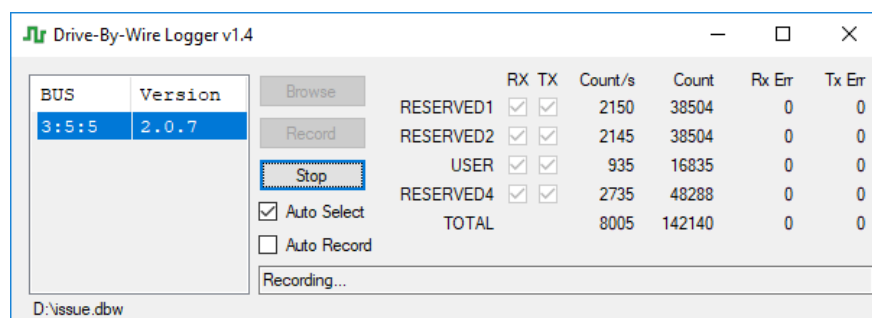
2.2 Select File

Select 'Browse' and select a file name.



2.3 Record/Stop

- Select 'Record'
- Re-create the issue you are trying to capture in this recording
- Select 'Stop'



3 Submit to Dataspeed

The output file can only be analyzed by Dataspeed. Submit the dbw file to Dataspeed for analysis.

If the file is less than 20 MB, submit via email. Otherwise, contact Dataspeed without including the file to determine an alternate submission method.