



DANLAW DATA LOGGER
DL980SW
USER MANUAL

Revision: Initial
Revision date: 3/11/2019



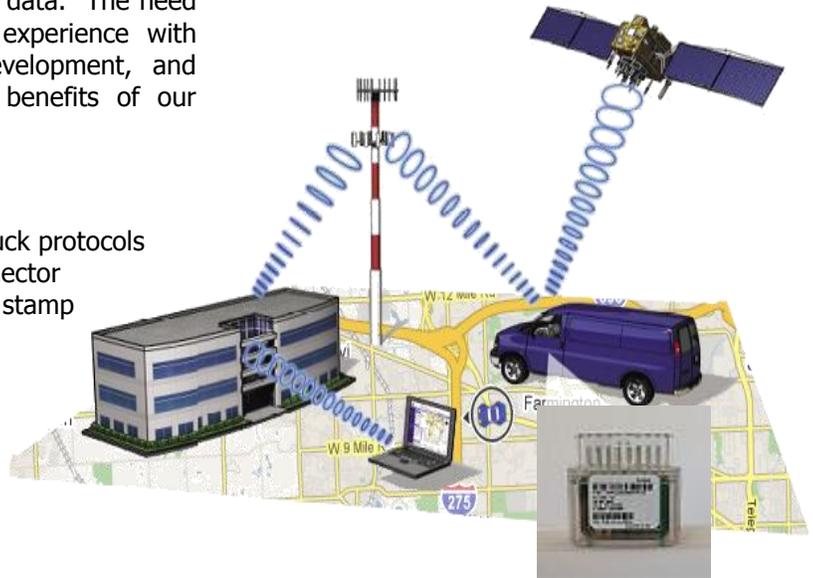
1.1 Product Overview

Danlaw Data Logger – Vehicle Data Over the Air

Danlaw's Data Logger was developed to provide companies with an easy to install, wireless communication device for monitoring and logging vehicle network message data. The need for the DL980 was driven by Danlaw's own experience with Networked Automotive Electronics solution development, and perfected to provide our customers with the benefits of our experience.

The Danlaw Data Logger provides:

- Support for all major passenger car & light truck protocols
- Simple plug-n-go via the vehicle's OBDII connector
- OBD Vehicle Data logging with real-time data stamp
- LTE & 3G communication
- Wi-Fi connectivity
- Support for FTP, TCP/IP data transfer
- Firmware Over-The-Air (FOTA) Re-flash
- Rugged, compact field-hardened design
- No external antenna connections needed
- Completely self contained



Danlaw Data Logger - Advantage

DL980SW Features:

- **High Speed Data Upload** – DL980 has been demonstrated to significantly reduce the Data Upload time as compared to the speed of other wired and wireless OBDII interface solutions.
- **Stand Alone Simplicity** – Easy plug in and even easier to use. No external connections needed. Eliminates the need for costly power adapters, antenna connections and knowledgeable resources to install the module.
- **Portability** – The DL980 has been designed to maximize in-the-field efficiency, light weight, robust, and compact design.
- **Low Cost Solution** – Low data transmission cost due to optimized data transmission, cost effective hardware – no maintenance and no batteries.
- **Wifi Hot Spot Connectivity** – lets you share Internet with your smartphone, tablet, media player, e-reader, other laptops
- **Flexible** – Supports all major OEMs including: GM, Ford, DCX, Honda, Toyota, Nissan, BMW, Audi, Volvo and more.



1.2 Product Specifications

Danlaw Data Logger - Specifications

OPERATING VOLTAGE: 12V

POWER

CONSUMPTION: < 100 mA @ 12VDC (Data Upload)
< 10 mA Average (during Sleep mode)

TEMPERATURE RANGE: -30 °C to +65 °C (operating)

HUMIDITY: 90% RH – non condensing

CERTIFICATIONS: RoHS Compliant

VEHICLE COMMUNICATION:

Vehicle Protocol Support: GMLAN, FNOS, ISO-9141-2, SAE J1850 VPW, SAE J1850 PWM, ISO 14230-4, ISO 15765 (11bit CAN & 29bit CAN), SW CAN

Vehicle Message Data: Time Stamped Event and Vehicle Message Bus Data Recording including:
(All OEM Supported OBDII Data including: VIN, ODO, Time &Date, Vehicle Speed, module connect/disconnect events)

PHYSICAL DIMENSIONS: Ultra Compact

PACKAGING: Danlaw Data Logger Enclosure (IP 64 rated)

INSTALLATION TIME: 10 Seconds

NUMBER OF TRIPS: Unlimited

DATA RECORDING INTERVAL: Selectable (1 Hz and up)

2.0 Installation Instructions

1. Locate the OBD connector:



If you are not able to locate the OBD connector, please refer to the Vehicle User Manual

2. Install the DL980SW device by plugging it into the OBD connector

Warning: The device has to be installed in such a way that at all times a minimum distance of at least 20cm shall be kept between the device and the user.



3.0 Electronic Code of Federal Regulations

The devices is subject to Part 15 of the Federal Rules / RSS-210 of Candian Rules and subject to certification procedure

NOTICE:

This device complies with Part 15 of the FCC Rules [and with Industry Canada licence-exempt RSS standard(s)].

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and*
- (2) this device must accept any interference received, including interference that may cause undesired operation.*

Caution: changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment

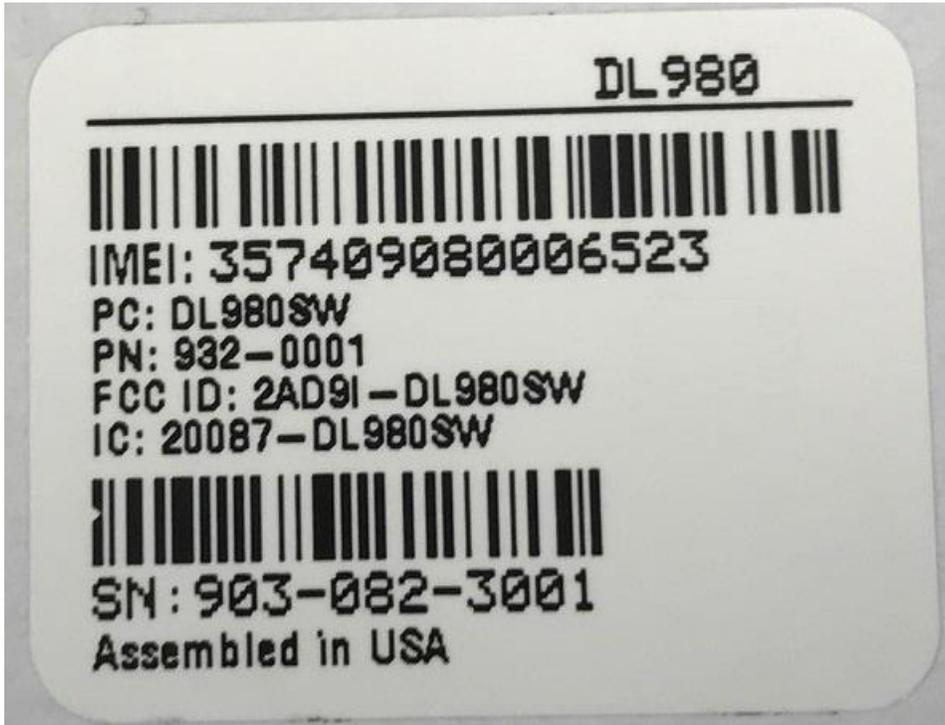
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et*
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

If you have any questions regarding safety or use case please contact Danlaw Inc. Office:
41131 Vincent Court. Novi, MI 48375 USA.



4.0 Product Label Information





3.0 Revision History

3/11/2019 Initial Release
4/24/2019 Added label info