

Instructions

How to Update Firmware on a Module

Equipment Required

- InterMotive Download Manager (IDM) program, which you can download from the [website](#)
- InterMotive Download Cable (kit A-IPU-B); included power supply and programming cable are used for Out-of-Vehicle module updates. The kit can be purchased through LGS Group [sales](#).
- InterMotive module to be updated
- Firmware file received by InterMotive [Tech Support](#)
- Laptop computer (Windows OS)

For instructions on how to download the IDM, go to <https://intermotive.net/downloads/#idm>

Process for In-Vehicle Modules

The following steps are for adding firmware to modules already installed on the vehicle.

Step 1. Open the IDM program on your computer.

Step 2. Identify the COM port of the Download Cable.

- Before plugging in the USB side of the cable, review the available COM ports in the IDM (you may have none).
- Plug the USB side of the Download Cable into your computer.
- Click “Refresh” on the IDM program. A new COM port should be available. It’s usually the highest number port available.
- Select the COM port.

Step 3. Click on “Open File” and select the firmware file from your computer. Click on “Open.”

- A pop-up warning will confirm that the file is an application file. Click “OK.”
- The file name will display on the screen when it’s loaded.

Step 4. On the vehicle module, disconnect the Data Link Connector (white connector head).

- This removes power to the module (temporary step).

Step 5. Plug the COM side of the Download Cable (which looks like a phone jack) into the module.

- Confirm that both sides of the cable are plugged in.
- Turn the vehicle ignition to the “On” position.

Step 6. On the IDM program, click on the “Load” button. The status will display as “Waiting.”

Step 7. Plug the Data Link Connector (white connector head) into the module.

- The IDM program will begin loading the file. You will see a progress bar.
- A pop-up window will display that the file has been successfully loaded. Click “OK.”

Step 8. Unplug the Download Cable from the module. The firmware has been updated.

Instructions

Process for Out-of-Vehicle Modules

The following steps are for adding firmware to modules not yet installed on the vehicle.

Step 1. Open the IDM program on your computer.

Step 2. Identify the COM port of the Download Cable.

- Before plugging in the USB side of the cable, review the available COM ports in the IDM (you may have none).
- Plug the USB side of the Download cable into your computer.
- Click “Refresh” on the IDM program. A new COM port should be available. It’s usually the highest number port available.
- Select the COM port.

Step 3. Click on “Open File” and select the firmware file from your computer. Click on “Open.”

- A pop-up warning will confirm that the file is an application file. Click “OK.”
- The file name will display on the screen when it’s loaded.

Step 4. Plug the COM side of the Download Cable (which looks like a phone jack) into the module.

- Confirm that both sides of the cable are plugged in.

Step 5. On the IDM program, click on the “Load” button. The status will display as “Waiting.”

Step 6. Apply power to the module.

- Use the power supply included with the Download Cable and plug into an outlet.
- Plug the included Programming Cable (white connector head) into the module.
- The IDM program will begin loading the file. You will see a progress bar.
- A pop-up window will display that the file has been successfully loaded. Click “OK.”

Step 7. Unplug the Download Cable and Programming Cable from the module.

The firmware has been updated.