



StarMOBILE™

Standalone Diagnostics Mode User Guide

A guide to using your StarMOBILE™ in
Standalone Mode

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1 Basic Procedures

This section provides instructions on all of the different procedures you can perform with the StarMOBILE.

The StarMOBILE has three basic modes:

Pass-Through Mode	Flight Recorder Mode	Standalone Mode
<p>In this mode the StarMOBILE device operates in conjunction with a PC to allow scan tool functionality.</p> <ul style="list-style-type: none">• Using Pass-Through Mode• Read and Clear DTC's• Update ECU's• Changing Customer Preferences• View Event Data• View Freeze Frame Data• Run OBD II Monitors• View and Graph Data• Run Miscellaneous Functions• Start an Actuator• Run a System Test• Create a Custom Display	<p>This mode allows the StarMOBILE system to record and review readings from the customer's vehicle.</p> <ul style="list-style-type: none">• Using Flight Recorder Mode• Creating a Template• Copying a Template to the Device• Recording Events Using the Device• Downloading and Viewing Recorded Events using the Desktop Client	<p>This mode allows you to perform basic diagnostic tasks without being connected to a PC.</p> <ul style="list-style-type: none">• Reading and Clearing DTC's• Clearing All DTC's• Changing Customer Preferences• Flashing ECU's

In addition to using the three basic modes described above, you might also need to configure your StarMOBILE to your local network. See the Networking section for information.

1.1 Standalone Mode

With Standalone Mode you can use the StarMOBILE without being connected to a PC or TechCONNECT. Standalone mode allows you to perform basic diagnostic tasks, such as reading and clearing DTC's, changing customer preferences, and flashing an ECU, without the Desktop Client.

In this section:

- Read and Clear DTC's
- Clear All DTC's
- Set Customer Preferences
- Update ECU's

1.1.1 Read and Clear DTC's

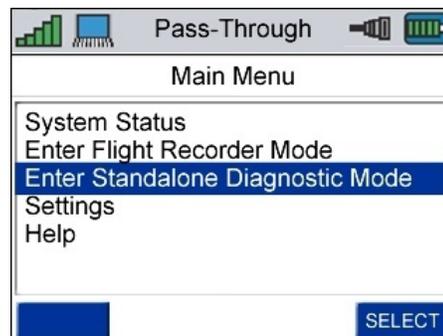
This section shows you how to read and clear DTC's using StarMOBILE's Standalone Mode.

To learn how to update ECU's using StarMOBILE's Pass-Through Mode, see Pass-Through Mode > Read and Clear DTC's.

- In this section:
- Reading DTC's
 - Clearing DTC's

Reading DTC's

- 1 In the Main Menu, select **Enter Standalone Diagnostic Mode**.



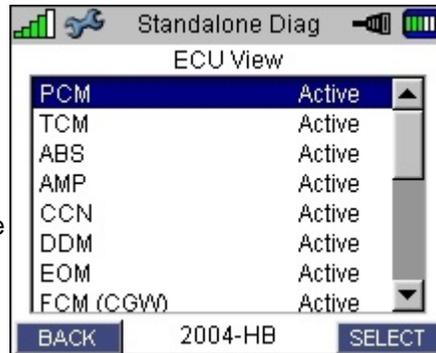
- 2 In the Standalone Mode Home screen, select **ECU View**.



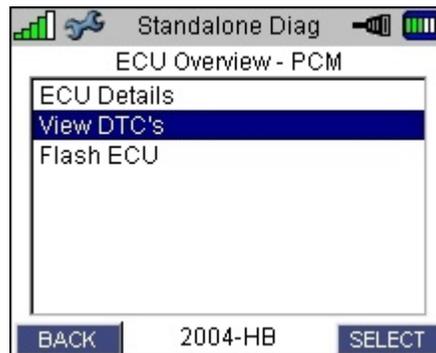
- 3 You will see a list of all ECU's in the vehicle.

If you are unsure which ECU you need to read, see the ECU Reference List.

Select the ECU associated with the problem you are trying to solve.

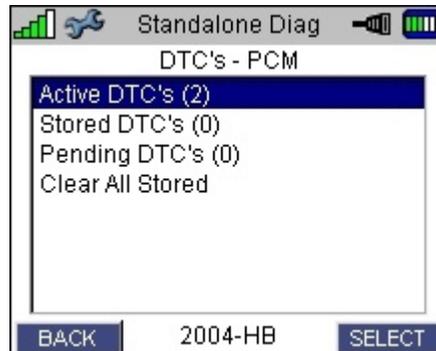


- 4 In the ECU Overview screen, select **View DTC's**.



- 5 You can view Active, Stored, and Pending DTC's.

Select the type of DTC you wish to view.



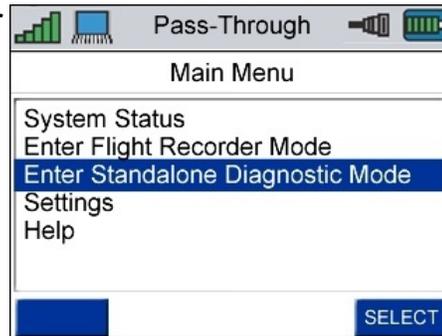
- 6 You will see a list of all Active, Stored, or Pending DTC's, along with their associated code and status information.

To see a DTC's details, highlight the DTC and press the Right Function Key ("SELECT").



Clearing DTC's

- 1 From the **Main Menu**, select **Enter Standalone Diagnostic Mode**.



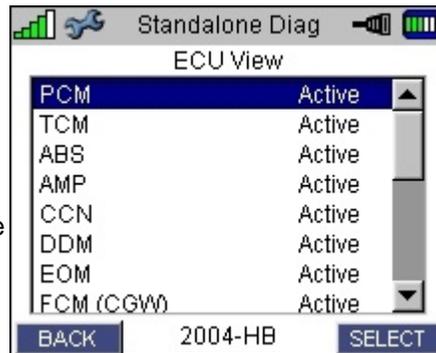
- 2 In the Standalone Mode Home screen, select **ECU View**.



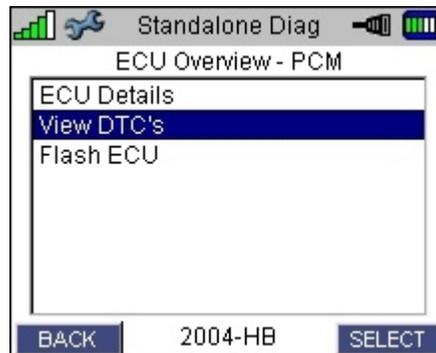
- 3 You will see a list of all ECU's in the vehicle.

If you are unsure which ECU you need to read, see the ECU Reference List.

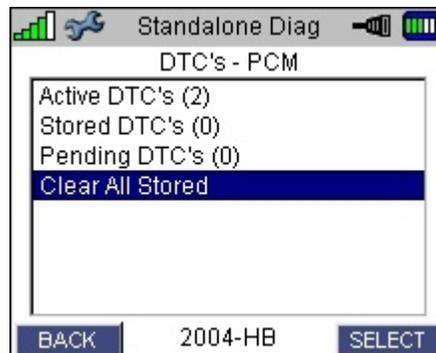
Select the ECU associated with the problem you are trying to solve.



- 4 In the ECU Overview screen, select **View DTC's**.

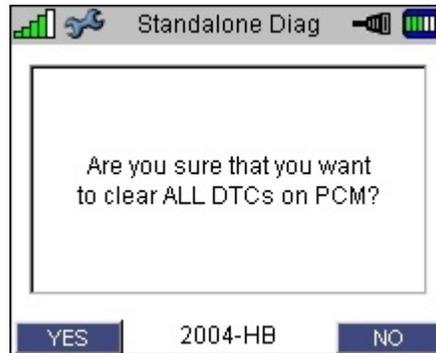


- 5 Select **Clear All Stored**.



- 6 You will see a confirmation message.

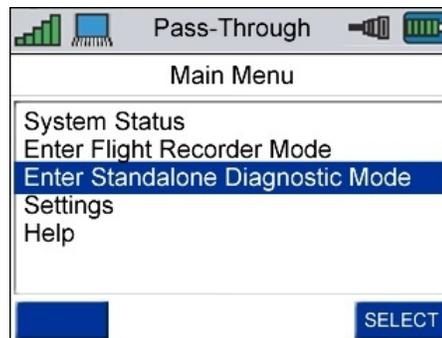
Press the Left Function Key ("YES") to Clear the DTC's, or the Right Function Key ("NO") to cancel.



See also:
 Clearing All DTC's (Using Standalone Mode)
 Read and Clear DTC's (Using Pass-Through Mode)

1.1.2 Clear All DTC's

- 1 In the **Main Menu**, select **Enter Standalone Diagnostic Mode**.



- 2 In the Standalone Mode Home screen, select **All DTC's**.

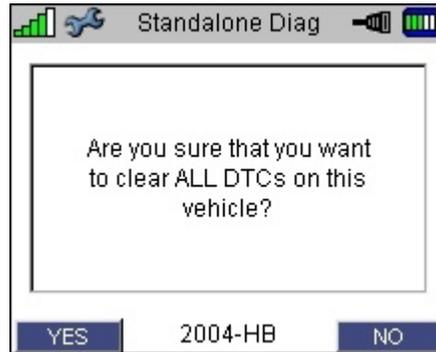


- 3 In the All DTC's screen, select **Clear All Stored**.



- 4 You will see a confirmation message.

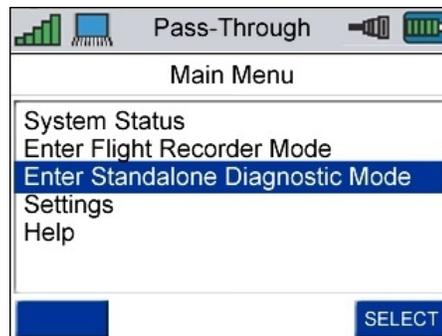
Press the Left Function button ("YES") to clear all DTC's, or the Right Function Button ("NO") to cancel.



See also:
Clearing DTC's (Using Standalone Mode)
Read and Clear DTC's (Using Pass-Through Mode)

1.1.3 Set Customer Preferences

- 1 In the **Main Menu**, select **Enter Standalone Diagnostic Mode**.



- 2 In the Standalone Mode Home screen, select **Customer Preferences**.



- 3 You will see a list of all adjustable preferences on the vehicle.

Select the feature you wish to adjust.



- 4 You will see a description of the feature you have selected.

Press the Right Function Button ("Next") to continue.

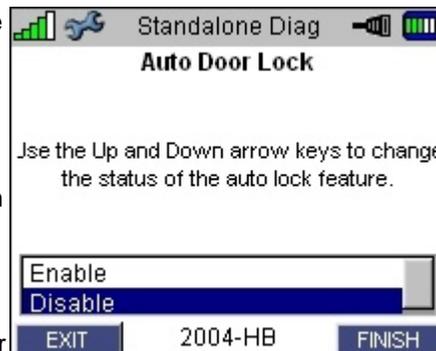


- 5 You will see a text box showing the preference's current status.

The option with the blue background is the current status.

Press the Up and Down Navigation Keys to change the currently selected setting.

Press the Right Function Key ("FINISH") to change the Customer Preference.



1.1.4 Update ECU's

To Update a vehicle's ECU, your StarMOBILE must be connected to your network. For instructions on how to connect your StarMOBILE to your network, see Setting up the StarMOBILE network.

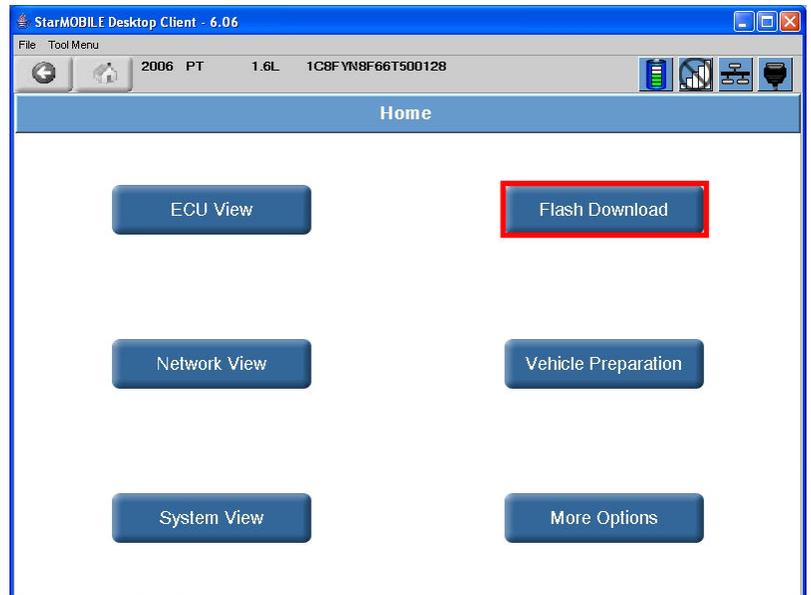
In this section you will learn how to:
Obtain the latest Flash Files
Copy the Files to the StarMOBILE
Flash the Vehicle

Obtain the latest Flash Files

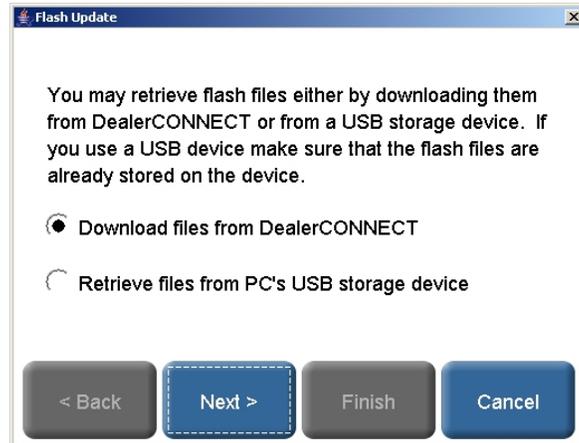
- 1 Open the **StarMOBILE Desktop Client**.



- 2 On the StarMOBILE Desktop Client's Home Screen, click on **Flash Download**.



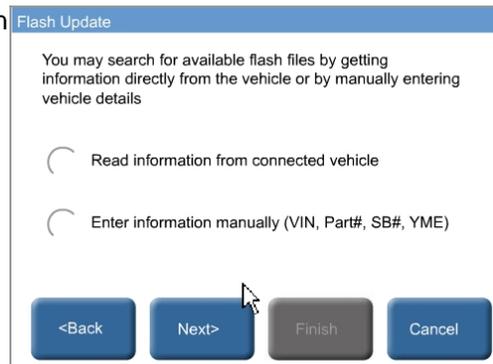
- 3 Select **Download files from DealerCONNECT**, then click **Next >**, then **OK**.



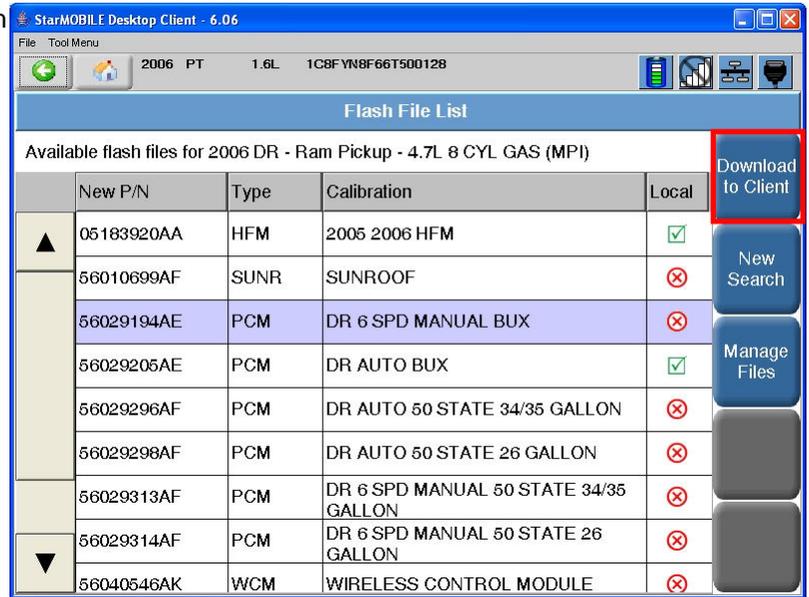
- 4 Enter your DealerCONNECT User ID, Passcode, and Dealer Code into the appropriate fields, then click **OK**.



- 5 You can search for available files in one of two ways: **Read information from a connected vehicle** or **Enter information manually**. Select the method you wish to use and follow on-screen instructions.

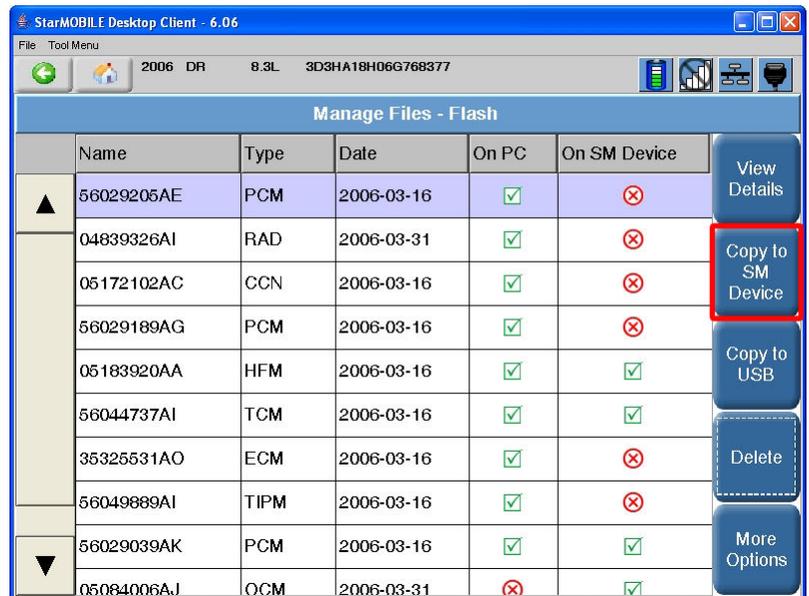


- You will see a list of available Flash files for your vehicle. Select the Flash file you wish to use and click on **Download to Client**. The StarMOBILE Desktop Client will download the selected files to your PC.



Copy the files to the StarMOBILE

- Once you have downloaded all of the appropriate Flash files to the PC, click on **Manage Files**.
- You will see a list of all Flash files that are on the PC and on the StarMOBILE device. Select the file you wish to copy to the device and click on **Copy to SM Device**.

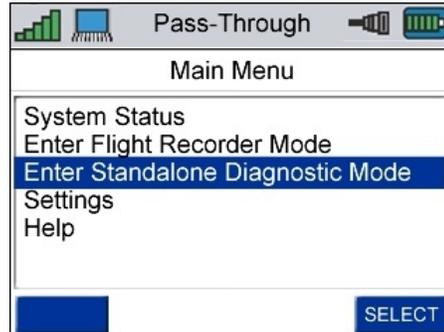


- 3 A green check-mark will appear in the On SM Device column once the file has been copied to the device.

Name	Type	Date	On PC	On SM Device	
56029205AE	PCM	2006-03-16	✓	✓	View Details
04839326AI	RAD	2006-03-31	✓	✗	Copy to SM Device
05172102AC	CCN	2006-03-16	✓	✗	
56029189AG	PCM	2006-03-16	✓	✗	Copy to USB
05183920AA	HFM	2006-03-16	✓	✓	
56044737AI	TCM	2006-03-16	✓	✓	Delete
35325531AO	ECM	2006-03-16	✓	✗	
56049889AI	TIPM	2006-03-16	✓	✗	More Options
56029039AK	PCM	2006-03-16	✓	✓	
05084006AJ	OCM	2006-03-31	✗	✓	

Flash the Vehicle

- 1 On the StarMOBILE Device's Main Menu, select **Enter Standalone Diagnostic Mode**

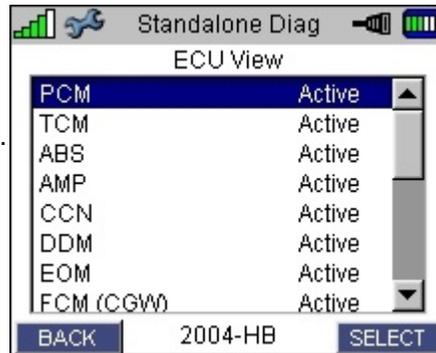


- 2 In the Standalone Mode Home screen, select **ECU View**.

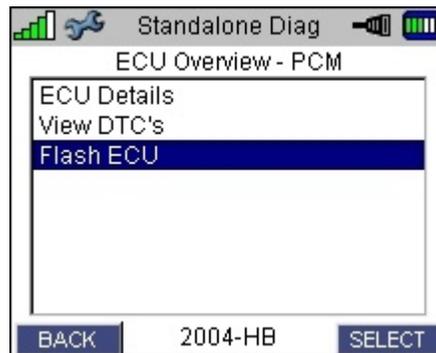


- 3 You will see a list of all ECU's in the vehicle.

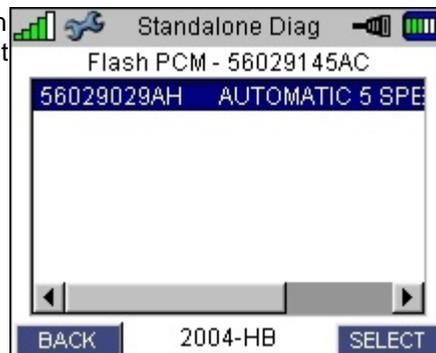
Select the ECU you wish to update.



- 4 In the ECU Overview screen, select **Flash ECU**.

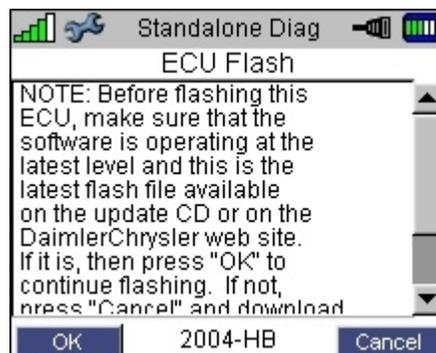


- 5 You will see a list of available Flash files for the selected ECU. Highlight the file you wish to use and press the Right Function Key ("SELECT").



- 6 You will see a confirmation screen. Ensure that you have the latest version of StarMOBILE software installed on your device. If you need to upgrade your software, see Installing and Upgrading the StarMOBILE Software. Otherwise, press the Right Function Key to begin the update process.

The flashing procedure should last several minutes. The vehicle will chime when the flashing process is complete.





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