

Standalone Diagnostics Mode User Guide

A guide to using your StarMOBILE[™] in Standalone Mode

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<i>StarMOBÎLE</i>	StarMOBILE Help System

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1 Basic Procedures

Start an ActuatorRun a System TestCreate a Custom

Display

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
In this mode the StarMOBILE device operates in conjunction with a PC to allow scan tool functionality.	This mode allows the StarMOBILE system to record and review readings from the customer's vehicle.	This mode allows you to perform basic diagnostic tasks without being connected to a PC.
 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 	 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 	 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.

~~ Ih	Standalone Diag	-				
	Home					
ECU Vi	ECU View					
Customer Preferences All DTC's						
EXIT	2004-HB	SELECT				



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Active

Active

Active

Active

Active

Active

Active Active

SELECT

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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.

Flash EC	0	
BACK	2004-HB	SELECT

Standalone Diag

ECU View

2004-HB

Standalone Diag

ECU Overview - PCM

e~c In₁

PCM

TCM

ABS

AMP

CCN

DDM

EOM

BACK

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FCM (CGW)

ECU Details View DTC's

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

Select the type of DTC you wish to view.

ad ≫	Standalone Diag	-@ 📖					
	DTC's - PCM						
Active D	Active DTC's (2)						
Stored [DTC's (0)						
Pending	Pending DTC's (0)						
Clear Al	Clear All Stored						
DACK	2004 UD						



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.

r	ad 🛄	Pass-Through	-@	
		Main Menu		
	System St Enter Fligh Enter Star Settings Help	atus nt Recorder Mode ndalone Diagnostic	: Mod	e
			SEL	ECT

SELECT

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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.

1						_
	4	55	Standalone D	iag	-0	
			ECU View	S		
		PCM		Acti	ve	
		TCM		Acti	ve	
		ABS		Acti	ve	
		AMP		Acti	ve	
		CCN		Acti	ve	
'		DDM		Acti	ve	
		EOM		Acti	ve	
		FCM (C	GW0	Acti	ve	
		BACK	2004-HB		SEL	ECT

2004-HB

Standalone Diag

Home

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ECU View

All DTC's

EXIT

Customer Preferences



5 Select Clear All Stored.

or of the the the the the the test of tes	Standalone Diag						
	DTC's - PCM						
Active D	Active DTC's (2)						
Stored I	DTC's (0)						
Pending	g DTC's (0)						
Clear A	Clear All Stored						
BACK	2004-HB	SELECT					



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 2 S Standalone Diag - 💷 🃖 Clear All Stored. All DTC's Active DTC's (4) Stored DTC's (7) Pending DTC's (0) Clear All Stored 2004-HB BACK SELECT 4 You will see a confirmation 2 m Standalone Diag message. Press the Left Function button ("YES") to clear all DTC's, or the Are you sure that you want Right Function Button ("NO") to to clear ALL DTCs on this cancel. vehicle? 2004-HB NO YES

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.



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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.



Standalone Diag

Home

55

ECU View

All DTC's

Customer Preferences



- 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.



StarMOBILE Desktop Client - 6.06		
File Tool Menu	1C8FYN8F66T500128	
	Home	
ECU View		Flash Download
Network View	I	Vehicle Preparation
System View		More Options

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

 Image: Flash Update
 Image: Flash Update

 You may retrieve flash files either by downloading them from DealerCONNECT or from a USB storage device. If you use a USB device make sure that the flash files are already stored on the device.

 Image: Obwnload files from DealerCONNECT

 Image: Obwnload files from PC's USB storage device

 Image: Obwnload files files from PC's USB storage device

 Image: Obwnload files fil

Cancel

Password:

Dealer Code:

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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.

۱	Flash Update					
	You may search for available flash files by getting information directly from the vehicle or by manually entering vehicle details					
	Read information from connected vehicle					
	Enter information manually (VIN, Part#, SB#, YME)					
	N					
	<back next=""> Finish Cancel</back>					

6 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.

🚔 StarMOBILE Desktop Client - 6.06							
File Tool	File Tool Menu						
0	2006 PT	1.6L 10	C8F YN8F66T500128	i 🖸	물 🖣		
			Flash File List				
Availa	able flash files for 20	006 DR - Ra	m Pickup - 4.7L 8 CYL GAS (MPI)		Download		
	New P/N	Туре	Calibration	Local	to Client		
	05183920AA	HEM	2005 2006 HFM				
	56010699AF	SUNR	SUNROOF	8	New Search		
	56029194AE	PCM	DR 6 SPD MANUAL BUX	\otimes	T		
	56029205AE	PCM	DR AUTO BUX		Manage Files		
	56029296AF	PCM	DR AUTO 50 STATE 34/35 GALLON	⊗			
	56029298AF	PCM	DR AUTO 50 STATE 26 GALLON	\otimes			
	56029313AF	PCM	DR 6 SPD MANUAL 50 STATE 34/35 GALLON	\otimes			
	56029314AF	PCM	DR 6 SPD MANUAL 50 STATE 26 GALLON	\otimes			
	56040546AK	WCM	WIRELESS CONTROL MODULE	\otimes			

Copy the files to the StarMOBILE

- 1 Once you have downloaded all of the appropriate Flash files to the PC, click on Manage Files.
- 2 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**.

👙 StarM	🛔 StarMOBILE Desktop Client - 6.06						
File Tool	Menu 2006 DR	8.3L 3D3	HA18H06G768377				
				22 📥			
	Manage Files - Flash						
	Name	Туре	Date	On PC	On SM Device	View	
	56029205AE	PCM	2006-03-16		\otimes	Details	
	04839326AI	RAD	2006-03-31		8	Copy to	
	05172102AC	CCN	2006-03-16		\otimes	SM Device	
	56029189AG	PCM	2006-03-16		\otimes		
	05183920AA	HFM	2006-03-16			USB	
	56044737AI	тсм	2006-03-16	\checkmark		\equiv	
	35325531AO	ECM	2006-03-16		8	Delete	
	56049889AI	TIPM	2006-03-16		\otimes		
T	56029039AK	PCM	2006-03-16			More Option <u>s</u>	
	05084006AJ	осм	2006-03-31	\bigotimes			

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

🍰 StarM(🔮 StarMOBILE Desktop Client - 6.06							
File Tool I	Menu							
	O 2006 DR 8.3L 3D3HA18H06G768377				2			
	Manage Files - Flash							
	Name	Туре	Date	On PC	On SM Device	View		
	56029205AE	РСМ	2006-03-16			Details		
	04839326AI	RAD	2006-03-31		\otimes	Copy to		
	05172102AC	CCN	2006-03-16		\otimes	SM Device		
	56029189AG	PCM	2006-03-16		\otimes	Canada		
	05183920AA	HFM	2006-03-16			USB		
	56044737AI	тсм	2006-03-16	\checkmark		\equiv		
	35325531AO	ECM	2006-03-16		\otimes	Delete		
	56049889AI	TIPM	2006-03-16		\otimes	\vdash		
T	56029039AK	PCM	2006-03-16			More Options		
	05084006AJ	осм	2006-03-31	Ø				

Flash the Vehicle

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

add 🔜	Pass-Through					
Main Menu						
System Status Enter Flight Recorder Mode Enter Standalone Diagnostic Mode						
Settings Help						
		SELECT				

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

s~ In	Standalone Diag	-@ 📖				
	Home					
ECU Vi	ew					
Customer Preferences All DTC's						
EXIT	2004-HB	SELECT				

-@

Active

Active

Active

Active

Active

Active

Active

Active

SELECT

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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.

or ∎ 1	Standalone Diag	-	
E	ECU Overview - PCN	4	
ECU De	etails		
View D1	FC's		
Flash E	CU		
BACK	2004-HB	SELE	CT

2004-HB

Standalone Diag

ECU View

-f 25

PCM

TCM

ABS

AMP.

CCN

DDM

EOM

BACK

FCM (CGW)

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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