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Device Settings

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Device Settings manage a range of user configuration options for FlashScan and AutoCal hardware. Device settings can be accessed via EFILive V8 Scan and Tune software, or via FlashScan and AutoCal menus.

Device Setting Configuration

There are 2 different methods to access Device Settings. To access these;

- 1. Connect your **FlashScan** or **AutoCal** to your PC.
- 2. Open the EFILive V8 Scan and Tune application, and then select either:
 - 1. Select the [F6: Devices] option in the left-hand pane; or
 - Select the [F5: BBX] -> [F6: Quick Setup] menu and select the correct hardware option from the Edit AutoCal V3 Settings button.

Both menu options perform the same function, however the option via the **[F5: BBX]** -> **[F6: Quick Setup]** allows these settings to be programmed in a single process along with all other BBX settings, including scan and tune configurations, along with tune files. The option via **[F6: Devices]** only programs device settings. Other BBX settings need to be programmed independently.

SD Card, Date Format, Timing and LED Mode Configuration Navigate to the **Device Settings** option using either of the above methods;

- 1. Select **[F2: General]** to manage the following options:
 - Target Device select the device to programmed if multiple devices are connected to your PC. Making this selection activates options applicable for the chosen device, and deactivates options that are not applicable to the chosen device.
 - File System configures FlashScan V2 to use either internal memory or <u>SD</u> <u>Card</u>.
 - 3. Date format US Style or Australian Style.
 - 4. Timing Low Power notification, length of time Splash screen displays.
 - 5. LED Mode configures status display, visual alarm or none.

F2: General	Target Device:				
F3: Display	O FlashScan V3	O AutoCal V3	FlashScan V2	O AutoCal V2	
F4: Keypad	File System: O Internal Flash Men	nory (FS V2 Only)		Next <u>F</u> ile number: 1	•
5: Options	○ SD Card (SD Card	must be present, FS V2 is to SD Card when pres	2 Only) ent, FS V2 Only)		
F6: Logging	Date Format: mm/dd/yy (US Sty	/le)	⊖ dd/mm/yy (Austra	alian Style)	
F7: BBX	Timing: Low Power: 0	▲ Minutes. (0=dis	abled)	S V2 and AC/FS V3 Only):	
	Splas <u>h</u> Screen: 1,000	Milliseconds. (V	2 Only) O Visua O None	ii Alarm (PS V2 Only)	

- 2. Select appropriate options.
- 3. Program FlashScan or AutoCal using the [Program] option, or
- 4. Select Close to return to the Quick Setup, select Include current device settings, and [Program Quick Setup].

Display Configuration

- 1. Select **[F3: Display]** to manage the following options:
 - 1. Units Metric or Custom display units.
 - 2. Inverse Display sets screen color combinations for **FlashScan V2**.
 - Data Logging Display sets the number of PID's per page display for FlashScan V2.
 - 4. Contrast Adjustment adjusts the contrast for **FlashScan V2** with a blue case.

AutoCal V3 Device Settin	gs [Untitled.dat]	×
F2: General	Units: IAT 84 °C Metric IAT 183 2 °F MAP 72 kPa RPM 2540rpm Custom RPM 2540rpm SPARKADV 11.0 ° TP 10.0 % VSS 34 2 mph	
™ F4: Keypad	Inverse Display (FS V2 Only):	
F5: Options	Blue on White 🔾	
Po: Logging	Data Logging Display (FS V2 Only):	
F7: BBX	® 8 PIDS/Page ○	
F8: Serial I/O	Contrast Adjustment (FS V2 Only):	
- 🌚 -	Open Save 🔻 🕥 Read 🐼 Program 🐼 Clo	se

- 2. Select appropriate options.
- 3. Program FlashScan or AutoCal using the [Program] option, or
- 4. Select Close to return to the Quick Setup, select Include current device settings, and [Program Quick Setup].

Keypad Configuration

- 1. Select [F4: Keypad] to manage the following options:
 - 1. Keypad Auto Repeat.
 - 2. Display Timeouts.

AutoCal V3 Device Setting	gs [Untitled.dat]	×
F2: General	Keypad Auto Repeat: Initial Delay: 300 Alliiseconds. (Default=300)	
F3: Display	Repeat Delay: 40 🚔 Milliseconds. (Default=40)	
₩ F4: Keypad	Display Timeouts (FS/AC V2 Only):	
F5: Options	Alerts: 0 Image: Milliseconds. (0=User must respond to message) Errors: 0 Image: Milliseconds. (0=User must respond to message)	
F6: Logging		
F7: BBX		
F8: Serial I/O		
📥 🖣 🗟 🕇	Open Save V Read Program Clos	e

- 2. Select appropriate options.
- 3. Program FlashScan or AutoCal using the [Program] option, or
- 4. Select Close to return to the Quick Setup, select Include current device

settings, and [Program Quick Setup].

Menus, Splash Screens, Options, and Common Settings Navigate to the **Device Settings** option using either of the above methods;

- 1. Select **[F5: Options]** to manage the following options:
 - AutoCal Menu set Simple Menu, Advanced Menu, and Splash Screen text for AutoCal V2.
 - 2. Custom Menu install, enable or disable custom menus for

FlashScan/AutoCal V3.

- FlashScan Check SD card space, enable data protection for SD card, S1 switch for logging.
- 4. Common Settings set EFILive's FAST CAN Mode for GM controllers, and Dodge Cummins Fast CAN Mode.

AutoCal V3 Device Settin	gs [Untitled.dat]	×
E2: General	AutoCal Menu (AC V2 Only):	
	Display Simple Menu.	🔿 Display Advanced Menu.
F3: Display	Splash Text Line <u>1</u> :	AutoCal must be rebooted before changes to these
OK E4: Keynad	Splash Text Line <u>2</u> :	options take circea
	Custom Menu (V3 Devices Only):	
5: Options	Custom Menu Name:	
F6: Logging	🤸 Install	V Enable Custom Menu
F7: BBX	FlashScan:	L and BBR operations.
F8: Serial I/O	 Enable CRC data protection for SD 0 Use "S1" (12V switch) to remotely s Audible alert when starting and 	<pre>card. (FS V2 Only) tart/stop data logging. stopping data logging using the "S1" switch.</pre>
	Common Settings:	
	Use EFILive's Fast CAN Mode for GM	controllers.
	Dodge Cummins Fast CAN Mode: 📿	Standard O Fast
🔬 🖣 🛞 🕇	Open Save 🔻	Read Program Close

- 2. Select appropriate options.
- 3. Program FlashScan or AutoCal using the [Program] option, or
- 4. Select Close to return to the Quick Setup, select Include current device settings, and [Program Quick Setup].

Logging Configuration

- 1. Select **[F6: Logging]** to manage the following options:
 - 1. PID Selection set PID configuration options.
 - 2. Analog/Digital Inputs set filter levels.
 - 3. Data set logging speed for FlashScan/AutoCal V2.
 - 4. Notes configure to add "Note 30" to log file when log is paused/resumed.

AutoCal V3 Device Settin	ngs [Untitled.dat] ×
F2: General	PID Selection:
F3: Display	Automatically select ALL external analog PIDs. (FS V2 Only) Automatically select ALL external digital (i.e. serial) PIDs.
F4: Keypad	External Analog/Digital Inputs:
F5: Options	Filter Level 4
F6: Logging	Data (FS/AC V2 Only): Logging Speed: Fast (10-40 frames/second)
F8: Serial I/O	Notes: Automatically add "Note 30" to log file when logging is paused/resumed. Press [OK] on FlashScan/AutoCal V2 keypad to pause/resume logging. Press [Tick] on FlashScan/AutoCal V3 keypad to pause/resume logging.
<u> -</u> 🛞 -	Open Save V Read Program Close

- 2. Select appropriate options.
- 3. Program FlashScan or AutoCal using the [Program] option, or
- 4. Select Close to return to the Quick Setup, select Include current device settings, and [Program Quick Setup].

BBX Configuration

- 1. Select **[F7: BBX]** to manage the following options:
 - 1. BBL PID validation configuration for FlashScan/AutoCal V2.
 - 2. BBR and BBF verification and display options.
 - 1. Perform extended verification of uploaded file.
 - Display OBDII retry statistics after Read/Flash is complete for FlashScan V2.
 - 3. Display folders when selecting tune files for flashing.
 - 4. Automatically save trace files if read or flash fails.
 - BBX Options Display Switchable tune selections on AutoCal V2's simple menu.

📳 AutoCal V3 Device Setting	gs [Untitled.dat]	×		
F2: General	Black Box Logging (FS/AC V2 Only):			
52 Diselar	Skip PID validation prior to starting Black Box Logging.			
F3: Display	Black Box Reading and Flashing:			
	Perform extended verification of uploaded file (can take up to 60 seconds).			
	Display OBDII retry statistics after Read/Flash is complete. (FS V2 Only)			
å	☑ Display folders when selecting tune files for flashing.			
F5: Options	✓ Automatically save trace file if read or flash fails.			
	Black Box Ontions (AC V2 Only)			
F6: Logging	Display Switchable Tune Selection on AutoCalls Simple Manu			
F7: BBX				
F8: Serial I/O				
	Onen Read Program	lose		
		1036		

- 2. Select appropriate options.
- 3. Program FlashScan or AutoCal using the [Program] option, or
- 4. Select Close to return to the Quick Setup, select Include current device settings, and [Program Quick Setup].

Serial Comm Port and Wideband Configuration

- 1. Select [F8: Serial I/O] to manage the following options:
 - 1. Serial COM Port Setup select None, Wide Band or External Data Logger.
 - 2. Wide Band Display Layout set format and data display for **FlashScan V2**.
 - 3. Wideband Type select from a list of supported Wide Band devices.

AutoCal V3 Device Settin	ngs [Untitled.dat]	×
F2: General	Serial COM Port Setup: <u>C</u> om Port: Wide Band ~	
F3: Display	Wide Band Display Layout (FS V2 Only):	
F4: Keypad	Eormat: 1st wide band only	
5: Options	Data Display: AFR only ~	
F6: Logging	Wide Band Type:	
F7: BBX		
F8: Serial I/O		
💩 🖣 🎡 🕇	Open Save 🗸 🚱 Read 🚱 Program	Close

- 2. Select appropriate options.
- 3. Program FlashScan or AutoCal using the [Program] option, or

4. Select Close to return to the Quick Setup, select Include current device settings, and [Program Quick Setup].

AutoCal Device Configuration

Device Settings manage a range of user configuration options for AutoCal hardware. Device settings can be accessed via V8 Scan and Tune software using the information provided above, or via the AutoCal menu.

To edit the Device Settings directly on the AutoCal;

- 1. Hold Next key to activate advanced menu while connecting AutoCal to your vehicle.
- Using the [Prev] and [Next] buttons, navigate to the [AutoCal Options] ->
 [Edit Settings] menu to manage the following options:
 - 1. Set Pro Menu select Yes for Advanced Menu, No for Simple Menu.
 - 2. Set File #
 - 3. Set Locale Locale USA or Locale Non-USA.
 - 4. Set Units Metric or Custom (Imperial).
 - 5. Set MRU PIDs Yes or No.
 - 6. Set Scan Rate Fast, Medium or Slow.
 - 7. Set Note 30 Yes or No.
 - 8. Set Fast CAN Yes or No.
 - 9. Set Skip Verify Yes or No.
 - 10. Set Verify BBR Yes or No.
 - 11. Set BBX Status Yes or No.
 - 12. Set BBX Directory Yes or No.
 - 13. Set Switches enables switchable tuning on simple menu Yes or No.
 - 14. Set Trace Yes or No.
 - 15. Set COM Port Wideband O2, External, or Unknown.
 - 16. Set WO2 Type select Wideband type from list.
 - 17. Set WO2 Format Bank 1, Bank 2, Both.
 - 18. Set WO2 Data AFR, Lamda, EQ Ratio, AFR & EQ, AFR & L, EQ & L.
 - 19. Set WO2-1 ID set number.
 - 20. Set WO2-2 ID set number.
 - 21. Set Stoich set value.
 - 22. Set Low Power set warning to display in 10 minute increments or disable.
 - 23. Set Splash Screen set splash screen display times in 1,000ms
 - 24. Set Alert time in 1,000ms.
 - 25. Set Error time in 1,000ms.
 - 26. Set AR Delay time in 300ms.
 - 27. Set AR Speed time in 40 ms.
- 3. Use the [Prev] button to return to the top of the list and select [Exit] to

return to [AutoCal Options Menu].

- The following menu options are also available from the [AutoCal Options] menu:
 - 1. Restore Settings returns settings to factory defaults.
 - 2. Set Date and Time edits date and time settings.
 - 3. Browse Files view files saved on the AutoCal.
 - 4. Delete Files deletes files on the AutoCal.
 - 5. Free Space displays used and available space.
 - 6. Format File Sys Formats the file system.

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Related Content

- Configure FlashScan and AutoCal for BBX
- <u>Wide Band Configuration</u>
- SD Card Configuration
- AutoCal V2 Device Settings
- FlashScan V2 Device Settings
- <u>V3 Device Settings</u>
- FlashScan V2 Screen Contrast