

FlashScan/AutoCal V2.05 Quick Reference (beta)

FlashScan *(New/changed options in red)*

Select Vehicle

Entries from the *PID-SELECTION section in file Options.ini are listed here.

Scan Tool

Data Logging

- Record Data
- Display Data
- Display WO2

Diagnostics

- Display VIN/Info
- Trouble Codes
 - All DTCs
 - Press OK for DTC description
 - Current DTCs
 - Press OK for DTC description
 - Display FFs
 - Clear DTCs
- Test Results
 - System Readiness
 - O2 Sensors
 - Mode \$06
 - Mode \$06 (All)
- Record All Diags

Scan Options

- Save Trace File
- Onboard modules
- Lookup DTC
 - Pxxxx Codes
 - Cxxxx Codes
 - Bxxxx Codes
 - Uxxxx Codes

Tuning Tool

Tuning (not implemented yet)

Configuration

- Read E35 Inject
- Prog E35 Inject

Switchable Tunes (Tune names are displayed from file Switch.ini)

1. Select Switchable Tune #1
2. Select Switchable Tune #2
3. Select Switchable Tune #3
4. Select Switchable Tune #4
5. Select Switchable Tune #5

Tune Options (not implemented yet)

Options

Setup

- Edit Settings
 - File Sys
 - File #
 - Locale
 - Units
 - AutoPIDs**
 - ADFilter
 - A/D PIDs
 - Ser PIDs
 - LED Mode
 - S-Trace
 - COM In
 - COM Out
 - WO2 Type
 - Lo Power
 - Splash
 - Alert

- Error
 - AR Delay
 - AR Speed
 - Inverse
- Set Date/Time
- Change PIN
- File System
 - SD Card Info
 - Free Space
 - Format File Sys
 - Statistics
 - Flash Memory
 - SD Card
- Licensing
 - License Details
 - VIN Licenses
 - Stream Licenses
- Self Tests
 - Splash Screen
 - Low Power Mode
 - External Sensors
 - Display Sensors
 - Calibrate 5V A/D

AutoCal

Select PIDs

Entries from Options.ini are listed here.

Scan Tool

- Record Data
- Display Data
- Display VIN
- Display OS
- Display SRT Stat
- Display O2 Test
- Display \$06
- Display \$06 All
- Record Diags
- Display All DTCs
- Display Set DTCs
- Display FrzFrame
- Clear Codes
- Save Trace
- Show Modules

Tuning Tool

- Read Tune (not implemented yet)
- Program Tune (not implemented yet)
- Read Injector
- Program Injector
- Switch Tunes (Tune names are displayed from file Switch.ini)
 - 1. Select Switchable Tune #1
 - 2. Select Switchable Tune #2
 - 3. Select Switchable Tune #3
 - 4. Select Switchable Tune #4
 - 5. Select Switchable Tune #5
- Tune Options (not implemented yet)

AutoCal Options

Edit Settings

- Set File #
- Set Locale
- Set Units
- Set AutoPIDs*
- Set S-Trace
- Set Lo Power
- Set Splash
- Set Alert
- Set Error
- Set AR Delay
- Set AR Speed

Restore Settings

- Set Date and Time
- Free Space
- Format File Sys

Display Licenses

- SN: xxxxxxxxxxxx
- LIC: xxxxxxxxxxxx
- Firmware 2.05.xx
- BootBlk 2.05.xx

Low Pwr Mode

Self Tests

- Run All Tests
- Keypad Test
- Display Test
- CAN Test
- ALD Test
- VPW Test
- 12V Test
- FLASH Test
- RAM Test

FlashScan Hotkeys

Menu hotkeys:

F1	Select menu option F1
F2	Select menu option F2
F3	Select menu option F3
F4	Select menu option F4
Ok	Select current menu option
Up	Move to previous menu option
Down	Move to next menu option
Cancel	Return to previous menu
Ctrl+0	Enter low power mode (any key to resume)
Ctrl+Down	Toggle Inverse LCD mode
Ctrl+Ok	Re-detect connected controllers
Ctrl+Bspace	Open the Settings Editor
Ctrl+Cancel	Reboot FlashScan
Ctrl+F1	Select predefined PID set 1
Ctrl+F2	Select predefined PID set 2
Ctrl+F3	Select predefined PID set 3
Ctrl+F4	Select predefined PID set 4
0	Start data logging

Vehicle Selection hotkeys:

Up	Move to previous setting
Down	Move to next setting
Left	Move to previous page
Right	Move to next page
Cancel	Select no controller and exit
OK	Select controller and exit

Data Logging Hotkeys:

Up	Scroll data display up
Down	Scroll data display down
Left	Scroll data display up a page
Right	Scroll data display down a page
Ok	Pause data logging (data continues to update on screen)
Cancel	Stop logging and save data. (MUST be done BEFORE power is removed from device)
Enter	Toggle Display of Metric and Custom units
Ctrl+Down	Toggle Inverse LCD mode
F1	Tag logged data with Note 1
F2	Tag logged data with Note 2
F3	Tag logged data with Note 3
F4	Tag logged data with Note 4
Ctrl+F1	Tag logged data with Note 5
Ctrl+F2	Tag logged data with Note 6
Ctrl+F3	Tag logged data with Note 7
Ctrl+F4	Tag logged data with Note 8

(A short beep is sounded to indicate tag has been inserted into log file)

Wide Band O2 display hotkeys:

Enter	Toggle Lambda and EQ Ratio display
OK	Toggle sensor 1 and sensor 2 (Innovate and PLX only)
0	Perform a free-air calibration (LC-1 only)
Backspace	Cycle through wide band controller types

Settings Editor hotkeys:

Left	Reduce setting by 1
Right	Increase setting by 1
Ctrl+Left	Reduce setting by 10
Ctrl+Right	Increase setting by 10
Up	Move to previous setting
Down	Move to next setting
Ctrl+Up	Select minimum setting
Ctrl+Down	Select maximum setting
Ctrl+Backspace	Restore factory defaults
Cancel	Discard changes and exit
OK	Save changes and exit

Splash Screen Hotkey:

Press any key to clear splash screen before timeout

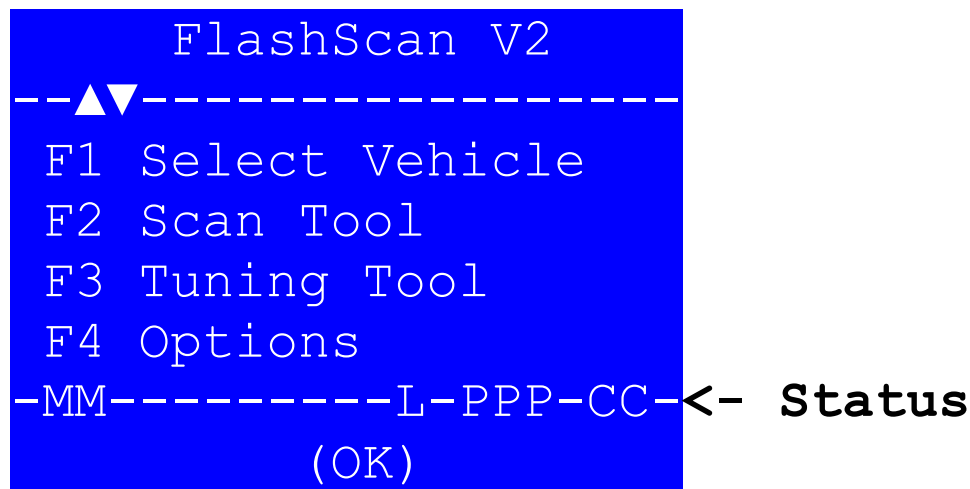
Set Time Hotkeys:

Up	Decrease selected value
Down	Increase selected value
Ok	Move to next value
Cancel	Discard changes and exit

Display Options

FlashScan

The second to last line of the FlashScan menu screen contains information about the current operating state.



There are four distinct status displays:

MM Memory card status

SD: SD card is selected and present

XX: SD card is selected but not present

IM: Internal memory is selected (SD card is ignored if present)

L LED status

S LEDs are used to show various systems' status, numbered from left to right:

- 1 BB Logging is in progress (flashes when BB logging is paused)
- 2 Data is being streamed to the RS232 connection
- 3 Data is being written to flash memory (do not power down)
- 4 OBD data is being received from or transmitted to the vehicle
- 5 USB data is being received from or transmitted to the PC/laptop

A LEDs are ONLY used to display visual alarms defined in Options.ini

X LEDs are switched off

PPP Protocol status

CAN Controller Area Network protocol detected

VPW Variable Pulse Width protocol detected

CC Number of on-board controllers detected