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
            ADFilter
            A/D PIDs
            Ser PIDs
            LED Mode
            S-Trace
            COM In
            COM Out
            WO2 Type
            Lo Power
            Splash
            Alert
            Error

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 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:
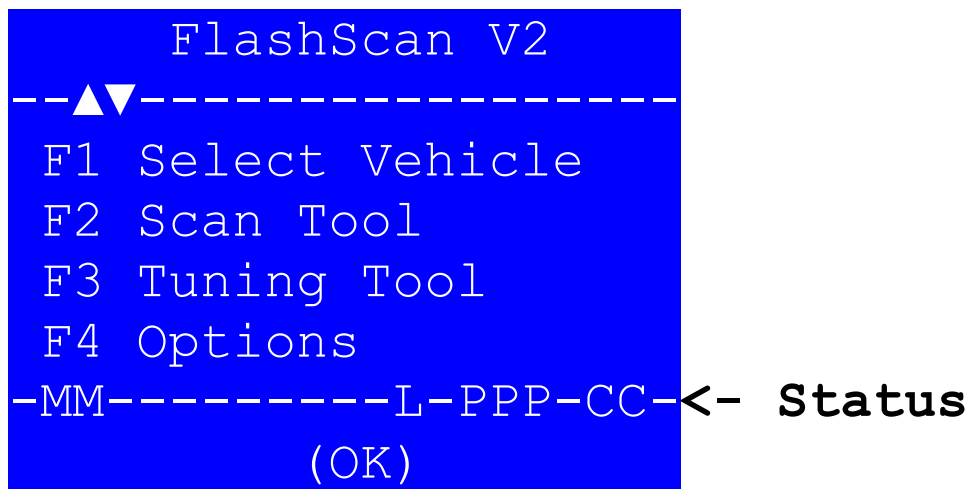
    Press any key to clear splash screen before timeout

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.

```
        FlashScan V2
--▲▼------------------
 F1 Select Vehicle
 F2 Scan Tool
 F3 Tuning Tool
 F4 Options
-MM---------L-PPP-CC-   <- Status
          (OK)
```

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