NVIDIA nTune Release Notes

Version Number Description:

2[Major version].00[Release version].00[Beta version].00[Alpha version]

Version 2.00.17.05 (RTM)

1. NVBug 135989 NVMonitor will not save the state of transparency at 0%. Fixed issue.
2. NVBug 135993 The nTune Lite caption appears on pop-up dialogs of nTune. Fixed issue.
3. NVBug 135996 When hovering the mouse over a hyperlink on the Manage page CPU usage is 100%. Fixed issue.

Version 2.00.16.05 – Not released.

Version 2.00.15.05 (Gold II)

1. NVBug 134108 No redraw of nTune screen happens when dragging another window over the main window. Not fixed in previous release. Fixed issue.
2. Expanded PCI-E overclock range to 20%

Version 2.00.14.05 (Gold)

1. NVBug 134108 No redraw of nTune screen happens when dragging another window over the main window. Fixed issue.
2. NVBug 134127 Warning box that pops up before running the system autotune has a misspelling. Fixed issue.
3. NVBug 134131 Clicking link in the NTUNE MAIN window for NETWORKING results in error. Fixed issue.
4. NVBug 134148 NVRAID TOOL showing up active on non-NVRAID motherboard. Fixed issue.
5. NVBug 134169 Truncated German text for "Benchmark and automatically...". Fixed issue.
6. NVBug 134255 Logging into the system as a NON-Admin (limited access) generates an NTUNE error. Fixed issue.
7. NVBug 134407 Bios Flash utility not working - This only happens with WinXP SP2 (SP1 is fine). Fixed issue.
8. NVBug 134168 Running the 70.13 graphics driver causes a serious error, and forces a reboot. Fixed issue.

Note: A complete uninstall of previous versions should be performed before upgrading to this version.

Version 2.00.13.05 (Release Candidate IV)

1. Localized for core languages

2. NVBug 132647 CK8S 754 and 939 pin --auto tuning does not complete. Fixed issue with system using dynamic overclocking.
3. NVBug 132809 NVMonitor switched from F to C on alert. Fixed

Version 2.00.12.05 (Release Candidate III)

1. NVBug 130887 NV baseline numbers needed for Performance Examiner. Added official baselines.
2. Added ntuneoem.dll to provide an API for access to clock control and tuning functions. For more information see the Customization Guide v1.0.
3. Fixed Installer not copying nvgpio.dll and nvapi9x.dll as part of the install.
4. NVProfile Manager: Fixed bug that set windows start profile did not set profile correctly if user changed profile in main Profile dialog.
5. NVPerformance Examiner: Fixed problem when benchmarking and receive "update NVBenchMarks.dll" message.
6. NVPerformance Examiner Fixed Windows error when running benchmark first and then running non-benchmark and closing app.

Version 2.00.11.05

Not formally released

Version 2.00.10.05 (Release Candidate II)

1. NVBug 130158 NF2 XP: The n-tune wasn't included by"NVIDIA corporation" and it individual displays on another item"newfolder1". Corrected installer.
2. NVBug 130302 NF3-S CRB - install NVSU 2.00.09.05. RC-1, will show wrong characters in shortcut. Corrected installer.
3. NVBug 130767 After running auto tune, the HALT button still active. Corrected help text description.
4. NVPerformance Examiner: Fixed BSOD when closing while running graphics benchmark.
5. NVPerformance Examiner: Fixed problem of not always restarting after hang.
6. NVMonitor: Fixed the GPU temperature first reports 0
7. nTune: CK804 - Disabled HT link multiplier change for CK804 rev A1 and A2 due to potential spontaneously reboot caused by LDT_STOP.
8. Various help and UI text adjustments in preparation for Localization build.

Version 2.00.09.05 (Release Candidate I)

1. Fixed issue in which GPU drivers newer than 65.91 would cause a BSOD when launching NVPerformance or nTune.
2. Added complete SLI configuration support
3. NVMonitor: Added complete support for GPU2
4. NVMonitor: Dynamically reposition the temperature and voltage controls when one becomes not supported.
5. nTune: CK804 support. Added code to get IDE mode.
6. nTune: CK804 support. Added warning message if CPU reference clock is selected as PCI clock source.
7. nTune: Fixed a bug that IDE mode was not displayed in CK8S platform.

8. nTune: Added BIOS flash support for 1MByte part SSt49LF080A to rompart.dat table.

Version 2.00.08.05 (Beta II release IV)

1. NVBug 128839: Fixed issue in which nTune 2.00.06.05 can't install under WInXP Chinese traditional.
2. NVMonitor: Added support for select temperature reading to be reported as Celsius or Fahrenheit.
3. NVMonitor: Updated UI to replace Voltage bar graph with tracking lights.
4. NVMonitor: Updated UI to show temperature tracking graph as non-shaded line-graph.
5. NVMonitor: CK804 support. Added support to track PCI-E (PCX) on bus graph.
6. NVMonitor: Update help text for new features and for legend on the bus speed graph.
7. NVMonitor: Added ability to set an audible warning for over-temp conditions.
8. NVPerformance Examiner: CK804 support. Added silent tuning support.
9. NVPerformance Examiner: CK804 support. Added PCI-E overclocking from 2.5 - 2.75 GHz.
10. NVPerformance Examiner: UI changes to: increase bar width to 12 pixels, move bar text to top of bars, and change legend to add color code boxes (instead of color code text) and add note about higher scores being better.
11. nTune: CK804 support. Support PCI-E overclocking control.
12. nTune: UI change to remove "NVIDIA Eye" from the Manage page icons.

Note: For CK804 support, please upgrade to SBIOS 4.56 or higher.
Note: True support for SLI configured PCI-E cards will not be in until the 2.00.09.05 build.
Note: Video drivers above 65.91 will result in a system crash. Use 65.91 or lower revision video drivers when testing this build.

Version 2.00.07.05 (Beta II release III)

1. NVPerformance: Fixed the title bar corrupted on 2k platforms at higher color levels.
2. nTune: Corrected the save state of the base-toolbar buttons.
3. NVMonitor: Fixed and cleaned up help text.
4. NVProfile Manager: Fixed button not gray out after un-clicking a previously clicked item.
5. nTune: CK804 support. Removed AGP test and text from the Performance check. Added correct name string for master and slave device.
6. NVProfile Manager: Fixed access error on Rename dialog when hovers over the Ok button
7. NVPerformance: CK804 support. Memory read and writes were failing which is required for PCIE. Fixed these.
8. NVPerformance: CK804 support. Changed PCIE registers in auto tune script for CK804 to Mem writes. This is only temporary until PCIE can be fully added.

9. nTune: CK804 support. Replaced AGP overclock with PCI-E overclock in clock control page.
10. NVMonitor: Minor text changes to the settings dialog
11. NVMonitor: Added check boxes for: GPU2 temp, Sound alert, Celsius, and Fahrenheit.
    Note: some check boxes are not yet functional.
12. nTune: CK804 support. Hide AGP, Aux, and Core voltage controls and adjust the position of memory voltage control.
    Note: Voltage controls are not yet functional.
13. NVMonitor Updated help text for all new items on the select dialog.
14. nTune: CK804 support. Added CPU overclock table. Also, Added code to get PCI bus speed. Skeleton code for PCI-E overclock is added too.
    Note: PCI-E overclocking is not yet functional.
15. nTune: Replaced "Chipset" in help text with "Media and Communications Processor and/or System Platform Processor".
16. nTune: Replaced uses of "Advanced page" with "Access BIOS page"
17. nTune: Replaced uses of "Basic page" with "Clock Control page and Voltage / Fan Control page".
18. NVPerformance: CK804 support. Added clock control support to CK804. FSB adjustments are working. PCIE not yet working but structure is in place.
19. nTune: Update captions on title bars. Basic is now "nTune Lite" and Pro is just "nTune"

Version 2.00.06.05 (Beta II release II)

1. NVPerformance: Auto-tune scripts updated for CK8-04 and future chipsets.
2. Updated installer to support CK8-04 and future chipsets.
3. Save help tooltip state, last visited page, and last coordinates of the applications.
4. nTune: Added PCI bus speed info to the Information page.
5. NVPerformance: Task information regarding what is happening during tuning is now reported in the results window.
6. Instead of hiding the graphics buttons and text when incorrect display drivers are installed, just disable them.
7. NVProfile Manager: Fixed help text not display on buttons.
8. nTune: Added Fan speed display to Voltage / Fan Control page.
9. NVProfile Manager: Changed "Move up" and "Move down" button labels to "Raise priority" and Lower priority" respectively.
10. NVPerformance: Add additional text messages during tuning process to keep user informed. Also add audible beep when complete.
11. nTune: Added feature to allow for HT dynamic adjustment from the Clock Control page.
12. Set "hover help" as default enabled.
13. Various help text updates for content and grammar corrections.
14. Added SilverEye dialog class to all child dialogs.
15. nTune: Fixed a bug in which an error message is popped up if advanceview is disabled while CMOS map changed.

16. NVPerformance: Added memory timing adjustment (tRAS, tRCD, tRP) to auto-tune process.
17. nTune: Added code to verify the checksum of BIOS before update it.
18. Fixed bug where setting BIOS to Expert and Freq to 200 would confuse nTune apps.
19. Fixed system hang or BSOD when NVDVD is playing and nTune tries to detect an IDE device.
20. Fixed AGP overclocking on CK8 (-S) systems.
21. NVPerformance: Switched Save and Load buttons to be consistent.
22. NVProfile Manager: Removed the message dialog about needing a profile when creating rule, as this no longer applies.
23. Added feature to allow OEM to prevent launching of nTune applications, if their application is currently running. This is a nvsuoem.ini file setting.
24. Fixed random DLL load issue on reboots caused by the installer.
    Note: The previous version of nTune should be uninstalled before installing this version.
25. Added a 32-bit checksum to the nvsuoem.ini file for security.
    Note: If changes are made to the file the WinWptTest utility must be used to update the checksum.

Version 2.00.05.05 (Beta II release I)

1. NVBug 124747: Primary application name has been changed to "nTune" and "nTune Pro".
   Note: It is recommened that previous installs be removed and a clean install be performed.
2. NVBug 124757:Change System log order to show SPD dump before CMOS and PCI dump
   Note: It is necessary to upgrade to System BIOS 4.50 or higher before testing the Access BIOS page.
3. NVBug 124759:Disable "Access BIOS" page if the CMOS map has changed
4. NVBug 124762:NVPerformance: Change "Results" output to be a graph rather than text
5. NVBug 124764:NVPerformance: ProvideUser selection to display last run benchmark data against current
6. nTune: Changed hyperlink text on Manage page to be more user friendly.
7. nTune: removed and aligned hyperlink text on Manage page to better map 1:1 with icons
8. nTune: Slight change to shadow text titles.
9. nTune: Added box around "Manage" applet hyperlinks for ascetics.

Version 2.00.04.05 (Beta I release IV)

1. Monitor: Fixed refresh rate value not correctly saved
2. Monitor: Changed default refresh rate to 10 sec.
3. Monitor: Swapped the location of GC and GM
4. Monitor: Added "3D" to the group box title
5. Monitor: Fixed mouse and audio drag when viewing

6. Profile Manager: Fixed a bug that the previous version was not get updated correctly, which caused upgrade install to stop working.
7. Profile Manager: Added code to execute new Auto-tune rule.
8. Profile Manager: Added launch of any application as an action.
9. Profile Manager: Fixed a bug in "Then" rule that two of the rules can not be selected in the same time.
10. Performance: Fixed issue where AGP clock was trying to get programmed to 0.
11. Performance: Fixed issue where AGP bus would go to 28 MHz when running graphics/system tuning, and then another tuning process.
12. Performance: Fixed issue where run benchmark and then silent tuning and save profile, it would ask to also save benchmark score
13. NVSU: Fixed a bug that MCP2S revision not displayed correctly.
14. NVSU: Removed sort attribute from Access BIOS page combo box.
15. NVSU: Added GPU support for 6800 series video card.
16. NVBug 124753: When using "list" type voltages, only 3 are displayed properly.
17. NVBug 124750: Return to safe frequency and disable SS before performing BIOS flash update
18. NVBug 123364: All TEXT inside of the app should match on all pages with all pages to form better continuity.
19. NVBug 124748: Flash protection needed for BIOS flash feature.
    Note: It is necessary to upgrade to System BIOS 4.49 or higher before testing the new System BIOS flash feature.

Version 2.00.03.05 (Beta I release III)

1. NVBug 119734 NVSU 2.0: Running the BATCH mode for Auto Tuning the SYSTEM does not appear to work
2. NVBug 119933 NVSU 2.0: "silent tuning" should be disabled on CK8(-S) since hardware does not support fan control
3. NVBug 119948 NVSU 2.0: No Context help associated with NVPerformance
4. NVBug 120169 NVSU 2.0: Settings change when app re-opened
5. NVBug 120190 NVSU 2.0: Text could be interpreted as "greyed out"
6. NVBug 120483 NVSU 2.0: Text cutoff in one screen
7. NVBug 120656 NVSU 2.0: When you delete a profile from the profile manager, the REG entry is not removed.
8. Fixed issue if silent tuning profile is loaded which does not affect FSB, then when try to load best system profile fan speed will not increase.
9. Fixed the Help text always enabled for profile wizard.
10. Fixed the text being overlapped due to mouse hovering under ClearType on Manage Page.
11. Added GPU Core and Memory temperature tracking bars to NVIDIA Monitor.
12. Reduce the number of register in CK8/CK8s used for tuning. Determined with PerfLab help which registers could be eliminated from tuning process to help speed it up. Reduced from 90 register setting to 42.
    Note: All previously saved tuning sessions for CK8/CK8s will no longer work.
13. Added Silver-eyed the background of the list control.
14. Support WPT BIOS 1.0 voltage reading.

15. Added code to enable Profile Manager after resuming from S5, if rule is enabled.
16. Minor text changes to ease localization.
17. Changed the Profile Manager definition and structure for rules. Rules have been simplified to be "take this action this event" style. Events are treated as "and" conditions within the same rule. For "or" conditions, separate rules must be defined. This is further explained in the NVSU 2.0 Features Guide v0.7. **Note:** Previously built rules will no longer be operational.

Version 2.00.02.05 (Beta I release II)
1. NVBug 118925 NVSU 2.0: When using the profile manager to load a performance profile on start-up, the system does not get set
2. NVBug 118506 NVSU 2.0: Performance tuning: more unstable with 2P CK8S
3. NVBug 118502 NVSU 2.0: NVMonitor does not support 2P CK8S CRB
4. NVBug 118506 NVSU 2.0: Performance tuning: more unstable with 2P CK8S
5. NVBug 119820 NVSU 2.0: Under the Control your settings on the main page, NVDVD should be changed to "ForceWare Multimedia"
6. NVBug 119826 NVSU 2.0: QuickLaunch items should be able to have custom names
7. NVBug 119858 NVSU 2.0: CPU Voltage is shown as NA
8. NVBug 119859 NVSU 2.0: Running Update Motherboard BIOS does not allow any changes
9. NVBug 119869 NVSU 2.0: Incorrect SPD information reported
10. NVBug 119933 NVSU 2.0: "silent tuning" should be disabled on CK8(-S) since hardware does not support fan control
11. Disable voltage Fan view if WPT BIOS 1.0 is detected.
12. Added code to save GPU and CPU2 temperature to log file if they are supported.
13. Disable Voltage/Fan view on CK8 (-S), since the CRB HW does not support this.
14. Added code to change the layout of ManagerView page if 2P system is detected. Handled the Tab order as well.
15. Fixed a bug that hit return key did not launch correct actions (This is for both 1P and 2P case).
16. Added code to disable Clock Control page is 2P system is detected.
17. Added code to block NVPerformance running on 2P system.
18. Added code to block NVProfileManager runing on 2P system.
19. Fixed bug when identifying if release 60 drivers are installed during system performance tuning.

Version 2.00.01.05 (Beta I)
1. NVBug 118925 NVSU2 - When using the profile manager to load a performance profile on start-up, the system does not get set.
2. NVBug 118494 NVSU2: Graphics performance auto-tuning: Immediate closing the app caused a bug check 76.
3. NVBug 118493 NVSU2: PCI NV card or Non-NV video card: Graphics perf benchmark: Allocate AGP memory failed.
4. NVBug 118077 NVSU2: NVPROFILE MANAGER - The "NEW" button should only be available IF there is a valid .NSU profile available.

5. NVBug 118009 NVDVD & network links do not launch the application
6. NVBug 114426 NVSU2: Forceware shortcuts should be in a List Control box
7. NVBug 114424 NVSU2: Forceware shortcuts not operational
8. NVBug 119400 NVSU2: The NVIDIA launch items along the bottom of the NVSU window need to adjust according to installed launchable items.
9. Added "NVSystemUtility Pro" caption to title bar when BIOS support is available.
10. Removed NVmonitor link from Manage page when BIOS support is not available.
11. Disable NVMonitor if there is no bios support.
12. Fixed a bug that CPU Fan control is not working.
13. Updated nvsuoem.ini to support 2P Board with Phoenix BIOS.
14. Manage page: Fixed clicking on white space of scrollbar invokes NVIEW.
15. Minor tweak to UI on the Manage page (moved bmp and window locations).
16. Turned on CPU2 temperature display in NVMonitor.
17. Voltage / Fan Control page: Fixed issue that second power is not displayed correctly.
18. Manage page: Fixed quick launch option not shown on some systems.
19. Changed voltage interface between BIOS and NVSU from float to integer.
    Note: The SBIOS and INI files must be updated. Previous NVSU created profile may not work.

Version 2.00.00.05 (Alpha I release IV)

1. NVPE: Change silent tuning to report final fan speed to show user the difference.
2. NVPM: Added hover help text. Note: Base toolbar button help not yet added. Also, some help text appears as a tooltip rather than bubble.
3. NVMon: Added hover help text. Note: There is still an issue with help on the toggle button and the "Always on top" checkbox.
4. NVSU: Fixed a load profile issue when GPU overclock is not supported.
5. NVSU: Fixed a bug that double click the slider control enabled apply button.
6. NVSU: Added shortcuts detection for NView and NVraid.
7. NVSU: Fixed the issue that second fan speed is reported incorrectly. Note: Requires a SBIOS update.
8. NVSU: Fixed issue that CPU voltage is not displayed correctly.
9. NVSU: Changed Fan control step to 16 from 64
10. NVSU: Change ROMPART.TXT filename to ROMPART.DAT
11. NVSU: Fixed bug that GPU overclock is not shown if digital display is used.
12. NVPE: Disable buttons during cancel and load operation until they are complete.
13. NVBug 116048 Need to add <ctrl+tab> key control to NVProfile Manager.
14. NVBug 118208 Information page - you are able to type/erase data contained in the pop-up box.
15. 118025 Prompts for rel 60 drivers when running perf test, even though I do have one installed.
16. 118060 Running the NVIDIA PERFORMANCE and NVIDIA PROFILE MANAGER from the start menu has the "run test" active, even though no test is selected.
17. 118080 NVPROFILE MANAGER - Will not work with NPE file.
18. 118097 GPU and CPU 2 show flat line color bars in the temperature section.

19. 118099 NVidia Monitor - options page - UPDATE in seconds allows Alphabetic entries.
20. 118100 We should redo the NVMONITOR Graph/options button.
21. 117927 The Display Driver warning box needs to be driver specific.
22. 117929 The link on the main page, "Get online support" should point to the NV support page.
23. 117930 The links on the main page for Support log and for Support need icons.

Version 2.00.00.04 (Alpha I release III)
1. NVBug 114441 NVPE: Graphics benchmarks/tuning non-op under Win9x
2. NVBug 117078 NVSU: Allow OEM to block the Flash update feature
3. NVBug 117107 NVSU: CK8/NF2 errors out against itself when launched
4. NVBug 117461 NVSU: Using RED as the "clicked link" color could be perceived as a "bad" thing.
5. NVBug 117469 NVSU: With "HELP" enabled, all of the "Manage your nForce system" links are not clickable.
6. NVSU: Fixed spelling of "motherboard" on Manage page.
7. NVSU: Fixed garbage on Manage page "Manage your nForce(TM) system" Bitmaps.
8. NVPE: Fixed problems when running back to back tuning because the register settings were being left at aggressive state to start new tuning session.
9. NVPE: Fixed setting fan speed when loading silent mode profiles.
10. NVPE: Disable save button after loading profile.
11. NVSU: Fixed hyperlink text overlapped under Clear Type.
12. NVPE: Change Save button to allow user to enter saved file name
13. NVMon: Fixed OnTheTop option not available on WinME.
14. NVSU: Added help text to System Utility pages.

Version 2.00.00.03 (Alpha I release II)
1. NVBug 114427 Need to add Profile conversion
2. NVBug 114428 Need ability to save Access BIOS page profiles
3. NVBug 114429 Need all underclocking tables to be updated
4. NVBug 114432 NVMonitor still semi-transparent when set to 0% (intermittent)
5. NVBug 114434 NVMonitor Apply button is enabled before change is made.
6. NVBug 114435 NVMonitor temperature color should be fixed for CPU and system.
7. NVBug 114437 NVProfile Manager should not allow certain condition combinations.
8. NVBug 114438 Need to provide error message if user tries to use 1.0 profile
9. NVBug 114439 NVMonitor should not use red for temperature drawing
10. NVBug 114440 NVProfile Manager - Pop up message in then rule should be a thread.
11. NVBug 114442 NVPerformance Examiner - Need to add load profile feature
12. NVBug 114443 Add hang/reboot disclaimer for tuning
13. NVBug 114636 Need to report which profile is in use.
14. NVBug 116040 Unable to tab to and select Manage page options

15. NVBug 116042 Unable to <ctrl+tab> to the "options" page in NVMonitor
16. NVBug 116045 Unable to tab to radio controls on NVPerformance Examiner
17. NVBug 116047 Need to add <ctrl+tab> key control to NVPerformance Examiner
18. NVBug 116048 Need to add <ctrl+tab> key control to NVProfile Manager
19. NVBug 116450 NVSU doesn't report Enet driver version
20. Add new Start Menu items with install
    a. monitorview.exe should be listed as NVIDIA Monitor
    b. perfexaminer.exe should be listed as NVIDIA Performance Examiner
    c. profilewizard.exe should be listed as NVIDIA Profile Manager
21. Made adjustment to transparency slider so each percentage change is a single step.
22. Use new profile extension for NVSU and ProfileManager. Now uses .NSU extension.
23. Added load profile button and functionality to NVPerformance Examiner (NVPE).
24. Changed profile extension for NVPerformance Examiner to .NPE.
25. Fix unusually high disk write score under Win9x for NVPE. Also fixed higher than normal read scores.
26. Added code to NVSU to turn up the fan if silent tune was run and then FSB is overclocked.

Version 2.00.00.02 (Alpha I release I)

Initial Release

Version 2.00.00.01 (Alpha I)

Not Released