PowerCore Software
- *Version history*

POWERCORE 4.3.3 FOR MAC AND PC

For OSX Leopard, Snow Leopard, Windows 32bit and 64bit

Windows specific
- Driver fixes and improvements from the OSX version included
- Windows: kernel event logging added
- PowerCore driver package not separately listed in the Windows list of installed items anymore.
- Driver signing fixed (timestamp was missing)
- MD3, BrickWall Limiter, MasterX3/X5 was not running under certain circumstances. Fixed
- PowerCore plug-in messages are shown in the Windows event viewer (replacement for the PowerCore Messenger that existed in PowerCore versions prior to 4.)
- NonLin2, DVR2, VSS3: MS redistributable dependencies removed
- Consecu   tive PowerCore errors are posted in the same Event Viewer window
- Character presets fixed
- Issue in PowerCore device OS leading to "communication error". Fixed

OS X specific
- KP when instantiating a lot of licensed plug-ins across several PowerCore devices. Fixed
- Added various driver security checks
- Dynamic EQ.vst/component bundle: missing 1131.bmp added
- Fixes related to PowerCore reset and bringing up all DSPs on PowerCore X8/6000
- Plug-in auval crashes under Logic 9.1.5. Fixed
- MacBook Pro PowerCore/FireWire device removal. Fixed
- PowerCore Control Panel 4.3.3 is now included with lot of bug fixes and device arrival/removal fixes
- Changes to the sleep/wake behavior for FireWire devices
- PPC universal binaries fixed
- Added security checks in the PowerCore/OS
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Various
- CL1B updated; trial display removed; MS redistributable dependencies removed
- MX3/5 softclip label fixed
- Plug-in event log registry entry fixed
- Master X5/X3: Labels corrected: Compressor Attack, Limiter (Softclip) Amount, Limiter Attack
- MD3, Brickwall Limiter Version 1.2.5 now included: metering fixed
- Dynamic EQ Version 1.2.4 now included: latency reporting fixed

POWERCORE 4.3.1 FOR MAC

- Fixed issues at rare conditions during plug-in load/unload
- BBOD on Multi-DSP Virus fixed
- PowerCore/Firewire boot completely fixed; all PowerCores do now boot completely and always; workaround for Lucid based (MacBook Pro) or similar behaving firewire controller added
- PowerCore/6000 bundled plug-ins corrected

POWERCORE 4.3 FOR MAC

- Fixed issues with PCI/PCIe cards
- Fixed a rare boot kernel panic with PCI
- Added support for PowerCore classic PCI
- Fixed issues with PCI - PCIe adapters
- Fixed an issue related to PPC leading to disabled plug-ins
- Fixed an issue on 64bit kernels leading to disabled plug-in and console report: "The Plug-In is disabled because of a PowerCore system reset."
- Fixed issues with 64bit kernel memory above 4GB boundary that would not be correctly bounce-buffered by OSX 10.6.x into 32bit address space for FireWire or PCI DMA
- DP 7 graphic issue fixed (247C, CL, ClassicVerb, ChorusDelay, EQsat, MasterX3, MasterX5, MegaReverb, VoiceStrip, TubiFex)
- Fixes related to firewire boot kernel panic
- Fixed issues with only half of the DSPs sub units of an X8/6000 would show up
- Interoperability with other firewire devices improved (The OSX stack sometimes runs out of transaction labels if there is too much going on the FireWire bus; this driver works around these limitations, improving its own firewire streaming stability)
- Error logging improved
- PowerCore/OS update fixed

POWERCORE 4.0.3 FOR PC (WINDOWS XP/VISTA/7, 32 AND 64 BIT)

New

- Significant update of the PowerCore driver to support 64 bit Windows versions
- Separate installer for the 64 bit version
- Control Panel adjustments
- New installer
- Added Vintage Guitar Pedal Bundle
- Lots of minor fixes

POWERCORE 3.2.0.38 (MAC OSX) 3.2.0.39 (WINXP SP2/VISTA32)

New
PC: Vista32 compatible

PC: New installer, WISE
MAC: IntelMac compatible V-Station v. 1.1.2 added.
PowerCore 6000 support
DeNoise and Dynamic EQ are now included with PowerCore Compact
Installer: PowerCore choise has been removed – all plug-ins are now installed

Fixes
Vintage Amp Room now runs as expected
Virus plug-in now initializes correctly
Sidechainer plug-in now works as expected
Harmony 4 seems to crash the DSP when it is loaded. This leads to crackles and noisy sound.
PC: fixes from MAC version 3.1.1.26.

POWERCORE 3.1.1.26 (MAC OS X)

News
Included plug-ins are now shown in the control panel
Added new plug-in, TapFactory

Fixes
CL 1B does not contain "TRIAL" in file version resource. FIXED
DVR2: GUI error when effect is DISABLED. FIXED
DVR cannot run at 96 kHz. FIXED
DVR2 cuts off the sound in DP. FIXED
Dynamic EQ doesn't follow automation in Cubase 4.1. FIXED
Automation doesn't work in Logic (but there is a workaround) . FIXED
Reading automated x5 caused cubase 4.1 to quit. FIXED
AUval test for memory smashers crashes, if no PowerCore DSP available. FIXED
Sending ANY control change to Powercore 01 in Cubase 4 results in additional note-on's. FIXED
PowerCore 01: Greyed out sidechain "ON" button ...! FIXED
Crash (driver?) when changing between Cubase 4.1 sessions with different S/R. FIXED
Strange internal channel config in PowerCore 01 in some hosts. FIXED
The VSS3 plug-in crashes inTone applications. FIXED
VSS3 cuts off the sound in DP. FIXED
All Poco Reverbs: AU Unit Reset() problem. In some cases, the reverb tail was heard after stop/start FIXED
Side chainer startup bug. FIXED

POWERCORE 3.1.0.23 (MAC OS X) AND 3.1.0.21 (WINDOWS)

Fixes
• Mac & Windows: Minor bug fixes and performance optimizations to the control panel.
• Windows: Adjusting the Input parameter of NonLin2 could create distortion on the output. Fixed.

News
• Mac OS X & Windows: Adds the ability to remove optional plug-in licenses from second generation PowerCore hardware via the TC My Account.
• Mac OS X: Audio Units versions of Fabrik C and Fabrik R have been renamed "Fabrik C PowerCore" and "Fabrik R PowerCore" to distinguish them from the similarly named plug-ins included with some Konnekt audio interfaces.

POWERCORE 3.0.2.17 (MAC OS X & WINDOWS)

Fixes
• PowerCore X8: in some cases plug-ins could not be instantiated onto DSPs 5-8. Fixed.
• PowerCore Unplugged: Error message for included plug-ins although other PowerCores were present in the system. Fixed.
• PowerCore licenses: A licensed plug-in would only run on the PowerCore it was authorized for, not on any other PowerCore in the same system. Fixed.
• On 1st generation PowerCore cards, only one instance of some plug-ins could be loaded, the 2nd instance would yield an internal error. Fixed.
• Mac OS X: Audio distortion with UnWrap and TC Helicon plug-ins. Fixed.
• Mac OS X: Plug-in user interface could not be closed after loading/saving presets in GarageBand or Logic. Fixed.
• Mac OS X: Several plug-ins would not be removed by the uninstaller. Fixed.
• Windows: Some DeClick and DeCrackle presets were installed into the NonLin2 preset location. Fixed.
• Windows: DeCrackle plug-in wasn't removed by the Uninstaller. Fixed.
• Windows: VoiceModeler styles were installed into the wrong location. Fixed.
• Windows: Memory leak in Sidechainer which was constantly increasing the memory usage. Fixed.
• PowerCore Installer: In case a PowerCore FireWire/Compact/X8 was connected and booted while installing, the driver would not be updated correctly. Fixed.
• PowerCore 1.x licensed plug-ins could not be used with other PowerCore cards in the system, so for example a Virus Single-DSP license would only run once on the card it was registered to, and not on any of the other available PowerCore DSPs. Fixed.
• Virus: On some systems, a maximum of 10 instances of the Multi DSP license could be instantiated. Fixed.
• ClassicVerb: In/Out meters did not fall back as expected. Fixed.
• Brickwall Limiter: Wrong spelling of several tool tips. Fixed.
• Tubifex: Some preset names appeared wrong, and long preset names were not completely refreshed on the user interface. Fixed.

News
• Mac OS X: Updated Vintage Amp Room to version 1.0.3.
• Mac OS X: Now checks whether plug-ins are started in Rosetta emulation mode on Intel Macs and displays an appropriate error message.
• Windows: Updated Virus Single DSP license to version 1.9.1.

Known issues and missing features
• On some Mac Pro systems, loading multiple plug-ins on a PowerCore Express can create overloads and drop-outs. If you experience this please get in touch with the TC Support Team.
• The current Sonnox Oxford plug-ins cannot run under PowerCore 3.0 and need to be updated to newer versions.
• Access Virus Multi DSP license is not yet Intel compatible under Mac OS X.

• TC Helicon Harmony4 and Novation V-Station are not yet Intel compatible under Mac OS X and are only installed on PowerPC systems.
• Mac OS X: Noveltech Character does not display the factory presets although they are installed in the right location. Save any setting to a user preset to fix it.

POWERCORE 3.0.1.14 (MAC OS X & WINDOWS)

Fixes
• PowerCore X8: in some cases plug-ins could not be instantiated onto DSPs 5-8. Fixed.
• PowerCore X8: included plug-ins were displayed as trial plug-ins. Fixed.
• Control Panel: in some cases the DSP usage wouldn't get updated correctly when instantiating plugins. Fixed.
• On some Windows systems, many of the plug-ins appeared to be invalid and could not be loaded. Fixed.
• ClassicVerb: Zero Latency could be automated. Fixed.
• Cubase crashed when changing between sessions with different sample rates. Fixed.
• DVR2: Crashes Logic when instantiated. Fixed.
• Intonator HS: Writing automation for Root Key via the plug-in UI would not be recorded. Fixed.
• MegaReverb: several fixes to meters and the user interface.
• PowerCore CL: on some system the PowerCore CL would not appear as a plug-in in the host. Fixed.
• User interface fixes to several plug-ins

News
• Windows: a trial version of Virus 1.9 is included.
• Windows: a trial version of Vintage Amp Room 1.0.3 is included.

Known issues and missing features
• On some Mac Pro systems, loading multiple plug-ins on a PowerCore Express can create overloads and drop-outs. If you experience this please get in touch with the TC Support Team.
• The current Sonnox Oxford plug-ins cannot run under PowerCore 3.0 and need to be updated.
• Access Virus Multi DSP license is not yet Intel compatible under Mac OS X.
• Access Virus Multi DSP license is not updated to version 1.9 under Windows XP.
• TC Helicon Harmony4 and Novation V-Station are not yet Intel compatible under Mac OS X and are only installed on PowerPC systems.
• Mac OS X: Noveltech Character presets are installed in the wrong location. Manually copy them to ./Library/Application Support/Noveltech/ to fix it.
• Windows: on some systems, the control panel cannot be loaded and plug-ins cannot be instantiated. Be sure to run the setup.exe or vcredist_x86.exe in the \driver directory of the PowerCore installer, to fix it.
• Sidechainer on Windows: with the user interface open RAM usage increases exponentially. Close the plug-in user interface to fix it.

POWERCORE 3.0.0.12 (MAC OS X & WINDOWS)

Fixes
• Numerous fixes and small improvements to included and optional plug-ins.

News
• Mac: plug-ins and drivers are Universal and support both Intel and PowerPC Macs.
• Mac & Windows: Support for PowerCore X8 hardware added.
• Mac & Windows: Control Panel now shows remaining trial time in hours instead of hours/minutes/seconds.
• Mac & Windows: Tube-Tech CL 1B added + 4 hours of trial time.
• Mac & Windows: Softube Vintage Amp Room PowerCore added + 4 hours of trial time.
• Mac & Windows: improved preset handling on all TC Electronic plug-ins, with new preset up/down, a/b and reset buttons for faster preset browsing and comparison of settings.
• Mac & Windows: new native Sidechainer plug-in with versatile high/low cut filters.
• Mac & Windows: new versions of 24/7-C, ChorusDelay, Dynamic EQ, Filtroid, Master X3, Master X5, MegaReverb, PowerCore 01, PowerCore CL and VoiceStrip, some with completely new UIs and some with support for external audio sidechaining. For details on the new features please refer to
http://www.tcelectronic.com/powercore3

Known issues and missing features
• On some Mac Pro systems, loading multiple plug-ins on a PowerCore Express can create overloads and drop-outs. If you experience this please get in touch with the TC Support Team.
• The current Sonnox Oxford plug-ins cannot run under PowerCore 3.0 and need to be updated.
• Access Virus Multi DSP license is not yet Intel compatible under Mac OS X.
• TC Helicon Harmony4 and Novation V-Station are not yet Intel compatible under Mac OS X and are only installed on PowerPC systems.
• On some systems the PowerCore control panel doesn't show the DSP usage correctly. Close and reopen the control panel to fix it.
PowerCore Version History, page 5 of 8
• On some systems the PowerCore control panel uses a lot of CPU. Close it whenever you're not using it.

POWERCORE 2.2.1.4 (MAC OS X & WINDOWS)

Fixes
• PowerCore PCI mkII and PowerCore Express: on some cards, optional plug-ins could not be loaded. Fixed.

POWERCORE 2.2.0.1 (MAC OS X)

New Features
• UnWrap added + 2 hours of demo time.
• PowerCore version 2.1 on Mac OS X: the installer would report that it was older than a previous 2.x installation.
• PowerCore Unplugged: Character / Filtroid were not enabled for running in trial mode.
• PowerCore Express: some included plug-ins would appear as trial versions.

POWERCORE 2.2.0.3 (WINDOWS)

New Features
- UnWrap added + 2 hours of demo time.
- PowerCore Unplugged: Character / Filtroid were not enabled for running in trial mode.
- PowerCore Express: some included plug-ins would appear as trial versions.
- Numerous fixes to VSS3 for Windows. Version 1.2 is included in the installer.

POWERCORE 2.1.0.3 (MAC OS X & WINDOWS)

New Features
- Added support for the PowerCore Express card for Mac OS X (PPC) and Windows XP.

POWERCORE 2.0.2.26 (MAC OS X)

Important Note:
The system requirements have been changed for Mac OS X: Only 10.4 or higher is supported.

New Features
Added support for TC Helicon Harmony4 including 4 hours of trial time.

POWERCORE 2.0.2.27 (WINDOWS)

New Features
Added support for TC Helicon Harmony4 including 4 hours of trial time.

Fixes
- Occasionally disabled plug-ins with Brickwall Limiter, DVR2, Fabrik R, MD3, NonLin2, VSS3 when switching sample rates or switching plug-in off/on. Fixed.
- TC Thirty: Disables when switching oversampling on/off. Fixed.

POWERCORE 2.0.1.23 (MAC OS X)

Important Note:
- The system requirements have been changed for Mac OS X: Only 10.3.9 or higher is supported.
- Optional plug-ins are not overwritten by the installer. Therefore none of your purchased optional plugins are changed and they will operate nicely with the new software version.
- The trial system is only supported by the PowerCore mkII/Unplugged/ Compact/Firewire.

New Features
- Un-installer. The software installer now installs two shell scripts into your Home folder, with which you

can un-install either the PowerCore drivers or the plug-ins.

Fixes
• Under certain conditions some plug-ins (e.g TC MegaReverb) were not outputting audio. Fixed.
• Occasional crashes with VSS3, DVR2, NonLin2, Fabrik C and Fabrik R when running sessions for a long time. Fixed.
• Fabrik C showed up under the vendor name "TC Electronic A/S" instead of "TC Electronic" (as Audio Unit plug-in only). Fixed.

Known issues
• On Mac OS X some apps might not release the DSP code when removed from the apps rack using the TCAU.
• You can get audio dropsouts in Cubase SX when the Plug-ins page is selected.
• Intel Macs are not supported. For more information please see www.tcsupport.tc

POWERCORE 2.0.0.18 (MAC OS X)

Important note:
• The system requirements have been changed for OSX: Only 10.3.9 or higher is supported.
• Optional plug-ins are not overwritten by the installer. Therefore none of your purchased optional plugins are changed. They will operate nicely with the new software version. The trial counter of those plugins on your card(s) is not touched of course.
• The trial system is only supported by the PowerCore mkII/Unplugged/ Compact/Firewire.

Known issues
• On OSX some apps might not release the DSP code when removed from the apps rack using the TCAU.
• You can get audio drop outs in Cubase SX when the Plug-ins page is selected

Fixes
• Overall stability of the driver has been improved.
• A crash could lead to a wrong internal state of the devices (FW only) and to another crash after reboot.
• Some plug-ins are using the PowerCore API wrongly. PCore.dll/bundle blocks this now.
• Under some circumstances an internal state of the plug-in representation in PCore.dll/bundle could have gotten lost (FIXED).
• Removed DP crash workaround covered by fix for kernel panic above now
• Messenger is not launched multiple times on Windows/OSX (deadlock can occur on OSX) (FIXED).
• Decrackle/Brickwall/MD3 have been changed and only support mono/mono or stereo/stereo configuration.
• Filtroid: A possible segmentation fault during auval scan has been fixed (OSX)
• VSS3, NonLin2, MD3 don't crash Cubase SX 3.1 anymore when changing the I/O buffersize.
• TC Thirty: Disables when switching oversampling on/off. Fixed.

POWERCORE 2.0.0.12 (WINDOWS ONLY)

Important note:
• Optional plug-ins are not overwritten by the installer. Therefore none of your purchased optional plugins are changed. They will operate nicely with the new software version. The trial counter of those plugins on your card(s) is not touched of course.
• The trial system is only supported by PowerCore mkII/Unplugged/Compact/Firewire.

New Features
• Trial time. Try out fully working optional plug-ins.
• New control panel with overview over the PowerCore(s) in your system.
• All-in-one installer for easy setup of all plug-ins.
• Mini view with "always on top" feature: keep an eye with your CPU ressources.
• Check for updates. This will check if you have the latest version of PowerCore.

Known issues
• We expect to address the AMD X2 issue on Windows in a later release.
• On OSX some apps might not release the DSP code when removed from the apps rack using the TCAU.

Fixes
• The communication to the board has been improved to avoid under certain circumstances a OSX
kernel panic could occur during auval scan
• On OSX the Messenger doesn't popup if any error occurs during auval scans
• On OSX 10.3.9 FW device are recognized reliable
• Declick and Filtroid pass auval without error (OSX)
• The SideChainer appears in "TC Electronic" submenu rather than "TC Works" in AU hosts
• The long vendor names of all plug-ins have been corrected to be either "TC Works Soft- & Hardware GmbH" or "TC Electronic A/S"
• Some spellings of copyrights and trademarks in the plug-ins are corrected
• Four preset file names of the Intonator HS contained problematic characters
A PowerCore error when inserting plugins as inserts for external instruments in Cubase SX 3.1 has been fixed