



Genex Audio Inc

GX90xx Firmware Release Notes History

V2.01.04

New Features

- **Single Button Record**

A "RecKey" option has been added to the front panel Record menu. It has two possible settings:

When set to the default "Rec+Play", the play and record buttons must be held together to go into record mode. When set to "Record", the machine will go into record as soon as the record button is hit.

- **Non-empty directories can now be deleted from the GXR**

Previously, all contained files had to be deleted first.

- **New Chase Functionality**

The chase record mode has been removed and the way chase operates has changed from previous versions.

Pressing the chase button puts the unit into chase sync mode, the user can then use the transport controls as in normal operation, but the machine will run sync'd to the external timecode. If no valid external timecode is present the unit will flash the transports leds to indicate that it is waiting for valid timecode.

Bug Fixes and Changes

- **Opening a single DFF file from the File Control would prevent the machine from going into record until an ADL was opened**
- **Doing multiple DSD punch-ins during a single take would fail**
- **Disk parity errors would cause the audio data for the rest of the take to become garbled.**

2/3/2006



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V2.01.00

New Features

- **HFS+ disk format support**

The recorder can record to and play back from Apple HFS+ formatted volumes. This enables file interchange with Apple Macintosh based workstations including ProTools and Logic.

Because HFS+ stores file dates and times in UTC ("Universal Coordinated Time" or "Greenwich Mean Time"), the recorder must be aware of the current time zone. See the Quick Setup Guide for information on setting the time zone.

- **Long filename support**

Custom project names can now contain any combination of letters and numbers up to 256 characters. Projects from other systems containing long filenames (i.e. Pyramix) can now be opened.

- **Large directory support**

Project directories may now contain up to 65,000 entries.

- **Multi-machine control**

Up to four machines can be controlled from the GXR software and GXR948 hardware remote. Each machine must be given a unique identifier (A, B, C, or D) by accessing MC CFG setting from the front-panel SYSTEM menu.

- **Improved punch functionality**

Multiple punch-ins/outs on a single track can be accurately performed in a single take.

- **Simplified Project Management**

The CURRENT ADL, NEW ADL, and COPY ADL record modes have been simplified. The Current ADL setting has been removed, leaving two basic modes of operation. If no project or ADL is open, or if New ADL mode is selected, going into record will automatically create a new project in a new folder. If a project or ADL is open, and New ADL mode is not selected, a copy of the current ADL is made and appended to within the currently open folder.

- **Performance improvements**

An improved disk paging system as well as many other enhancements allow glitch free playback of larger projects.

Bug Fixes and Changes

- **Remove Insurance and Expansion disk options**
- **Machine hangs at boot when booting from NVRAM with Video clock source and 29.97 t/c rates**
- **Track control window length in GXR is now adjustable**
- **Fixed clicks in PCM and DSD between takes in assemble mode**
- **Fixed pop when playing back a DSD punch when the cross-fade length is 8ms**
- **Loop mode sometimes has to be disabled and re-enabled to work. Fixed**
- **Selecting a new channel for solo doesn't mute the last solo channel. Fixed**



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- **Cross-fade length now doesn't change when the sample rate is changed**
- **On changing from PCM to/from DSD, if the cross-fade length is greater than the max for that format, it will be silently reduced**
- **Sample rate change while a project is open is now disabled.**
- **Fixed noise on mirror copy of slave channel audio data.**
- **Copying a directory from the GXR is fixed.**
- **Arm mode removed.**
- **Remove anti click fade length option.**
- **Remove File Control "Attributes" column.**
- **Current file in GXR transport doesn't update. Fixed.**
- **32kHz sample rate option is removed.**
- **Fixed audible click on transport change**
- **Firmware display doesn't always show slave cards. Fixed.**
- **File control now indicates current folder**
- **Last character of ADL filename is missing in the GXR ADL viewer title bar. Fixed.**

12/6/2005



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V1.09.03

Bug Fixes

- Recording automatically stops after detection of an unrecoverable data error. The red data error LED on the front panel latches on and a message is displayed in the GXR remote software.
- When in mirror mode, the mirror drive activity LED lights when accessing the mirror drive.
- Fixed an issue with mirror drive syncing that could result in an incomplete copy of already written data.
- Tapes can now be restored to drives that are larger than the original.
- Issue fixed with tape restore and disk copy that could result in corrupted root directory..
- Mirroring to an unformatted device is now disallowed.
- Fixed issue with mirror drive mode which could result in corrupted FAT table.
- Record now disallowed if the disk is full or write protected.
- Added auto-detection of faulty DSP card in master-slave configuration. The faulty card is bypassed allowing the remainder of the system, to function normally.

10/18/2004

V1.09.02

Bug Fixes

- Fixed error that could generate erroneous copies of the .CPT file within a folder.

09/21/2004



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V1.09.01

Bug Fixes

- Fixed error that caused file size to be reported incorrectly when pasting groups of files from the clipboard.
- Fixed major problem with FAT table paging on and off disk in record. This had the potential to cause truncated files and showed up as disk errors when read by a PC.
- Fixed error on slave cards when punching in PCM files in a particular combination that could truncate the recorded file.
- DSD file size corrected so that odd size data clusters are padded with an extra byte.
- Fixed the potential for duplicate audio file names generated in folders as a result of opening a previous ADL and continuing to record in Copy ADL mode.
- A problem with restoring data from tape is corrected. The problem resulted in the root directory not being copied from the tape.

09/09/2004

V1.09.00

Bug Fixes

- Minor housekeeping issues related to GXR control.

08/21/2004

V1.08.07

Bug Fixes

- Added lockout to stop file corruption when using the file control window to move between folders while certain disk operations are in progress.
- Stopped the Open | View selection in the GXR File Control Window reopening and already open ADL.
- Prevents going from play to record when the Insert button is turned off.

08/19/2004



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V1.08.06

New Features

- **Added support for Rehearse and Auto Punch to the GXR Transport Panel.**
- **Added text support to the Cue List display. It is now possible to annotate every cue point and the associated text is stored in the .CPT file associated with the currently open .ADL file.**
- **Added separate selections for DSD over MADI and PCM over MADI. The new selections are available in the front panel menus as well as the GXR Setup | Input Cfg window. The DSD over MADI protocol is compatible with the Genex GXA8 and GXD8 MADI cards and with Merging Technologies Pyramix DAW.**

Bug Fixes

- **Fixed problem that stopped copy and paste being able to transfer data to different SCSI devices.**
- **Fixed issue with machine freezing in playback when using the SFC to convert DSD to PCM.**

08/16/2004



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V1.08.05

New Features

- Added Scan SCSI Bus button to the GXR Setup | SCSI window.
- Added ability to read the root directory a tape to check the contents.

Bug Fixes

- Prevented possibility of corrupted disk when deleting files due to switching folders in the file control display before the delete process has completed.

07/19/2004

V1.08.04

New Features

- Support for Insurance Drive added.
- Cue list window added to the GXR control software.

Bug Fixes

- File control window in GXR updated when opening a new folder.
- Operation of 'Servolock' bit for 9 pin P2 protocol control repaired.
- Fixed potential for track slip between master and slave card channels by forcing master card to wait for slave cards to complete preload before releasing clocks.
- Changed FAT table buffering to improve off disk performance when playing back material generated through multiple overdubs.
- Improved device logging on power up for quicker response.
- Improved device logging on power up so that multiple device types with different bus interface requirements are logged correctly.

07/06/2004