



AudioFile SCX

Platform upgrade

Issue 1



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AudioFile SCX product profile

Introduction

AudioFile SCX represents the very latest in Integrated DAW technology from an established heritage of dedicated, high quality, super-fast workstations..



Open interchange architecture, power, speed, flexibility, exclusivity. All for a price and payment terms you will find very surprising. Once upgraded, your AudioFile will comprise just a single 4U high 19" box which houses a high performance embedded Pentium 4 processor, built-in removable Ultra-wide SCSI housings and dedicated AMS Neve hardware.

The unit also features a Firewire port for connection of Firewire drives for file transfer / archive.

The operating system is Windows XP for user familiarity and ease of use. AudioFile SCX continues along the philosophy of a dedicated high speed controller.

AudioFile SCX is Capable of 48 tracks at 48kHz, SCX technology is the heart of the new AudioFile and CineFile generation.

- 48 tracks @ 24 bit / 48k
- Capable of 48 / 48 crossfades at 24 bit / 48k.
- Punch-in across all record tracks.
- Intelligent high speed scrub across all tracks.
- 48T waveform display.
- Faster OMF import / export
- OMF Import / export from FAT, NTFS, HFS disks (Mac disks require Macopener s/w)
- Wav file import / export

- Operating system: Windows XP.
- Support for Firewire & USB devices.
- Stem editing for 5.1 & 7.1.
- Up to 16384 cues per drive.
- Support for very large SCSI drives (including 300G drives).
- Firewire drive connectability (for import / export / archive)
- Significant increase in network / OMF / AAF etc transfer speeds.
- Enhanced DVD burning capability.
- Built-in LVD wide SCSI.
- Network connectability gives OMF / AAF import & export via network.
- High speed archive to DVD
- 32 character cue names
- AAF import / export
- DEVA field recorder import
- Protocols 4.0 & 5.0 import
- 16 track **punch-in** recording
- External 48 track waveform display
- Track link feature for 5.1 trimming
- Cue folder system for sound effects management
- Built in EQ
- Built-in pitch shift
- Built-in Timeflex
- Access to wide range of AMS Neve plug-ins (optional)
- Built in sample rate conversion
- AES31 import

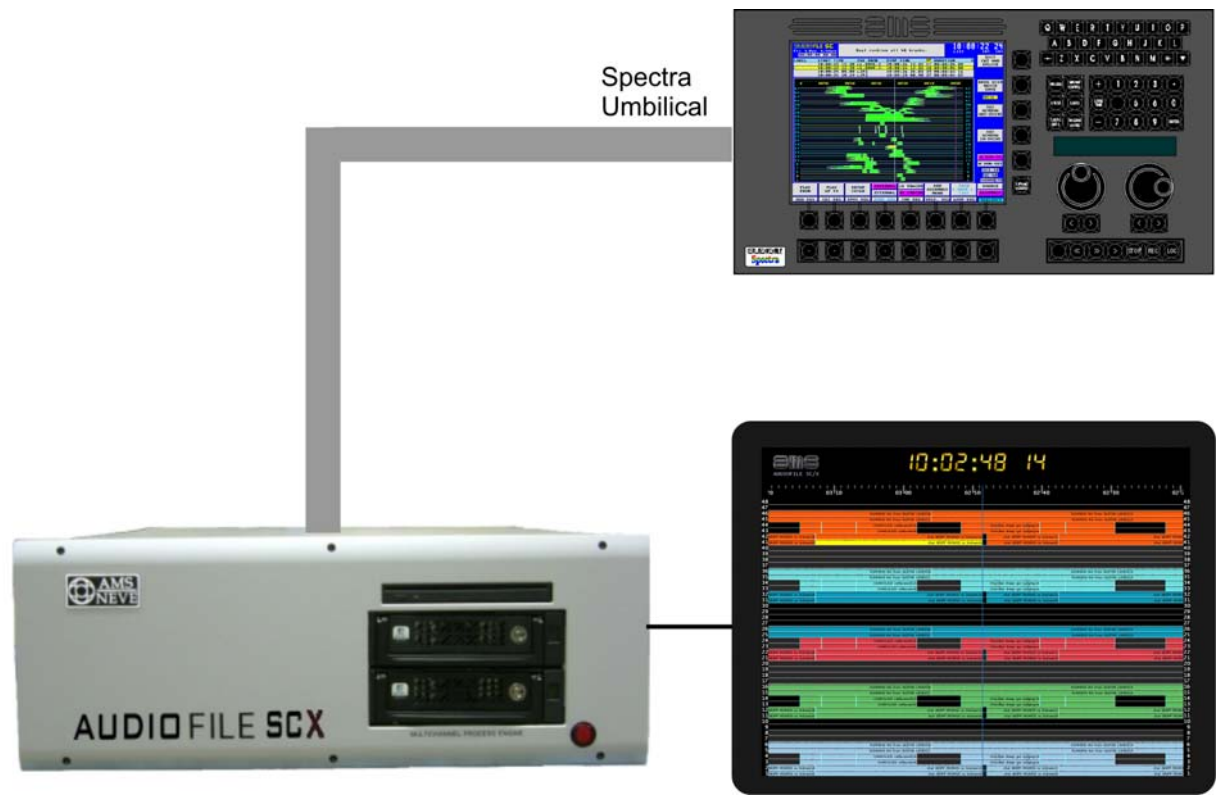
Standalone 4U SCX

AudioFile SCX consists of 2 parts:-

Dedicated high speed user interface:-



Compact purpose built 4U multi channel process engine.:-



Upgrade to SCX

You can upgrade from your existing AudioFile to SCX. The current trade in / replacement programme gives existing users a very cost effective path to the SCX platform. Now, upgrading to a 48 track, Windows XP based ultra-fast AudioFile is very easy.

Upgrading from S or SC to 4U SCX will immediately give you the following advantages:-

- 48 tracks @ 24 bit / 48k (on Logic systems this is subject to free timeslot availability)
- Capable of real time 48 / 48 crossfades at 24 bit / 48k (subject to hard drive bandwidth and sustained data rate capability, minimum 3S between repeated 48/48 crossfades for up to 4 consecutive 48 / 48 crossfades.)
- Punch-in across all record tracks.
- Scrub across all 48 tracks or across 5.1 stem.
- 48T high definition waveform display (new feature allows this to zoom & follow default tracks & reel-rock tracks).
- Windows XP operating system (Windows Vista support planned).
- Up to 16384 cues per drive.
- Support for firewire & USB devices.
- Enhanced DVD burning capability (Nero compatible).
- Firewire drive connectability
- Significant increase in network / OMF / AAF etc transfer speeds. Audio drives are connected to PCI bus enabling higher speed network to disk transfers.
- Enhanced DVD burning capability. SCX is compatible with Nero burning software.
- 2 X integrated high spec LVD removable drives & housings.
- Increased audio disk drive capacity (currently 36G, 73G, 146G & 300G).
- "Autofade" system to globally alter tagged crossfades.
- Built-in LVD wide SCSI.
- Built-in Gigabit Ethernet.
- Regular feature additions and enhancements.
- Free up 8U of rack space.

System Capabilities

Editing

AudioFile SCX is a focussed post production editing tool. The system offers high speed operation, however large and complex the projects are. Systems have tracks and can support projects with more than 20,000 events (edits).

Tactile user interface

The unique AudioFile edit controller is the ultimate interface for rapid editing. Dedicated keys, wheels and transport controls arranged around a no-flicker TFT screen allow the user to rapidly select and perfect individual edits.

Advanced audio acquisition tools

A range of automated tools are provided for speedy acquisition of audio, leaving more time for editing. These tools include threshold auto-recording, an ADR package for dialogue recording, on-board EDL auto-conform and advanced reconfirming capability.

Powerful undo and redo

Multi-level undo and redo features encourage creativity and enable instant comparison of different versions of an edit. Users can display a detailed list of up to 64 previous edit operations and undo/redo single or multiple actions with a single keypress.

Virtually limitless project size

AudioFile SCX can handle projects containing up to 25,000 edits and 146G drives with ease. You can be confident that AudioFile SCX will allow you to complete any project without any fuss.

Integrated machine control

Control of external machines such as VTRs and DAT recorders is fully integrated, enabling machines to be selected and controlled directly from the AudioFile controller without the hassle of external synchronisers. An advanced multi-machine control option enables up to 6 machines to be synchronised directly, and is expandable to as many as 33 machines via ESBUS.

Advanced Cue Library with Unique Folder System

AudioFile SCX features an advanced cue library with unique cue folder system. This allows users to create folders to denote "categories" for audio cues.

The folder library can access / audition cues from a Starnet server thus giving on-line access to a huge shared library of sounds.

Industry-standard connectivity

AudioFile SCX features for Windows XP™ and Fast Ethernet, providing industry-standard links to the outside world. Interchange formats supported by AudioFile SCX are:-

- AAF import & export
- wav import & export
- bwav import & export

- AIFF import & export
- AES31 import
- Protocols 4.0 & 5.0 import (inc wav audio, DSII audio or AIFF audio)

Intelligent Networking

StarNet™ is a dedicated networking solution for AMS Neve's AudioFile SCX editors and digital consoles. The system provides a complete solution for storing and transferring audio projects in a multi-room facility. It has been developed in close liaison with the world's leading multi-studio facilities, who are the pioneers of efficient project workflow. StarNet™ is an open system, using industry-standard Fast Ethernet connections. Large numbers of projects can be stored on a central Windows 2003 server, which is accessible from all studios. Other major benefits of StarNet™ include shared online effects libraries and centralized file exchange and archiving.

Advanced DSP Processes/Plug-ins

AMS Neve offers the following individual processes as options:

- 4 band DFC / Capricorn EQ
- DFC Digital Dynamics
- DFC Digital Gate
- Delay with modulation
- Ring Modulator
- Voice code (ring modulator for voice)
- Triple band distortion
- Quick pitch (dual ratio pitch changer)
- Exciter (multi harmonic generator)
- Multi delay
- Resonator
- Refitter (8 band frequency dependent variable delay)
- Multi band resonator
- Oxymoron (advanced delay)

With any combination of DSP processes AMSNeve will give you the following:-

- Built in control oscillator (VCO) - can be used to modulate plug-in controls
- Fader
- Feedback fader
- Dynamic fader
- Built in time / pitch / frequency calculator

Processes can be configured and saved as user definable "building blocks" and templates. All of the processes are integrated within the AudioFile. Adjustment of process parameters is possible from the Editor interface scrub wheel. The user can

store presets for processes and also configure and store effects layouts which can be recalled at any time from the editor interface.

I/O

AudioFile SCX includes MADI ports for direct connection to MADI based consoles. Optional i/o can be configured via AMS Neve AES boxes and / or MIOS to give a flexible combination of Analogue and digital i/o.

Specification	AudioFile SCX	
SCX cards	1 X SCX	
Scrubbing capability	Forwards / reverse scrub	
MADI I/O	48T MADI	
MADI connection	BNC in/out	
AES I/O	N/A	
Analogue I/O	N/A	
Machine Control	Up to 5 machines simultaneously	
Control interface	Sony 9-pin	
Interchange support	AAF, OMF1, OMF2, AES31, Protocols (5.0).	
Playback media support	SCSI320/160	
Operating system	Windows XP	
Networking support	AMS Neve Starnet / Ethernet	

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