Software

IN96-03-1288

NED StartUp program

The Synclavier and Direct-to-Disk software is controlled by a program called NED StartUp. You start the program by inserting the 3.5" NED System Disk into the disk drive of the terminal.

When you start the program, a horizontal menu bar with six menu titles appears at the top of the terminal screen. Just to the right of the titles is an icon that represents MacroMaker, an accessory that allows you to define program-specific commands.

NED StartUp menus

When you click a menu title, a list of commands appears.

menu	command	function
NED	About NED StartUp...	Shows copyright information. Click anywhere on it to clear it from the screen.
	Chooser	Selects printer.
	Control Panel	Sets terminal and keyboard controls.
File	Quit	Exits NED StartUp program.
Edit		Edit menu items are inactive in the NED StartUp program.
Terminal	PF1	Moves from RTP system to Reverse Compiler.
	PF2	Moves to RTP system.
	PF3	Moves from RTP system to Music Printing.
	PF4	Moves to Signal File Manager.
	Pause	Freezes a scrolling screen.
	Send Break	Moves from RTP system to Monitor software module.
Terminal	Reset	Reinitializes terminal screen and trackball.
	Baud	Rate should correspond to the baud rate of your Synclavier or Direct-to-Disk system.
	Modem or Printer	Determines whether the Macintosh modem port or printer port will communicate with the Synclavier or Direct-to-Disk.

NED StartUp menus (con't)

menu	command	function
Display	Half, Mid or Full Size	Displays window in about 25%, 35% or 100% of area of the terminal screen.
	Show Title & Scrollbars	Toggles between showing and hiding title and scroll bars. Toggles to "Hide Title & Scrollbars."
	Extended	Displays window larger than terminal screen. Used only for Music Printing Option.
	White-on-Black	Displays white print on dark background. Toggles to "Black-on-White."
Window	VK Panel	Displays the keyboard control panel.
	Activate window	Activates buttons and switches on the current RTP display and the VK Panel regardless of which is in the foreground.
	Arrange VK Panel	Displays a dialog for rearranging the individual button panels on the VK Panel. VK Panel
VK Panel	Clear holds	Clears all buttons being held on the VK Panel.
	Update panel	Refreshes the VK Panel.
	Presets 1-6	Changes the VK Panel to any of 6 preset arrangements.
Help	Help	Describes startup and shutdown procedures. Shows some terminal keyboard commands.

Real-Time Performance software displays

The Synclavier and Direct-to-Disk software contains interrelated displays and functions.

The Real-Time Performance system

Most of the sound creation and modification features of the Synclavier and Direct-to-Disk are performed in the Real-Time Performance (RTP) system. This software can be operated from the keyboard control panel or from displays on the terminal screen.
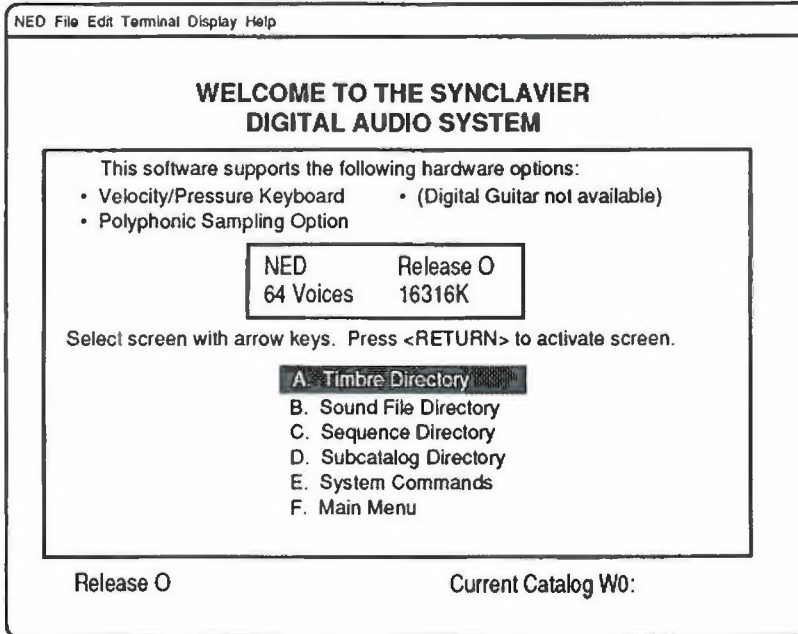
With the RTP sofware you can

- view and modify synthesized timbres;

- create, modify, store and recall sound files;

- create a keyboard patch of sound files;

- create and edit sequences in the Memory Recorder in either computer music notation or standard notation;

- make assignments for the Multichannel Distributor or MIDI;

- create, edit, store and recall live Direct-to-Disk recordings in the Audio Event Editor.

The computer enters the RTP system when you press the load button on the floppy drive (F0:). When the Welcome Menu appears on the terminal, the Synclavier or Direct-to-Disk software is active.

The Main Menu is the central location for selecting displays associated with the RTP system. All of the displays listed in the Welcome Menu are also included on the Main Menu.

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NED File Edit Terminal Display Help
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WELCOME TO THE SYNCLAVIER
DIGITAL AUDIO SYSTEM

This software supports the following hardware options:

- Velocity/Pressure Keyboard   • (Digital Guitar not available)
- Polyphonic Sampling Option

NED	Release O
64 Voices	16316K

Select screen with arrow keys. Press <RETURN> to activate screen.

A. Timbre Directory
B. Sound File Directory
C. Sequence Directory
D. Subcatalog Directory
E. System Commands
F. Main Menu

Release O   Current Catalog W0:

Real-Time Performance software displays (con't)

Choosing a software display

The Synclavier and Direct-to-Disk systems are run by interrelated software programs which provide complete control over recording and editing sound. Each program has its own terminal display or displays.
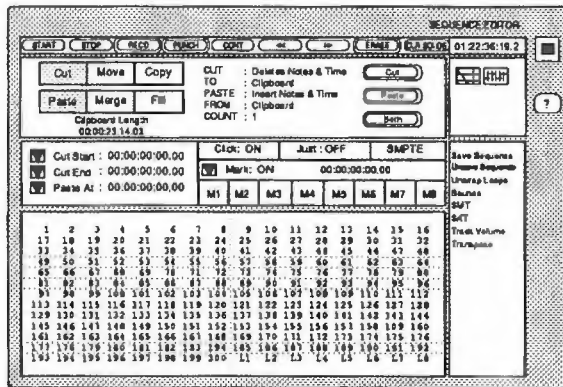
Some displays are used to recall previously recorded sounds.

- The **Sound File Directory** lists sound files ready to be recalled into poly memory.

- The **Sequence Directory** lists sequences ready to be recalled into the sequencer.

- The **Project Directory** lists Direct-to-Disk projects.

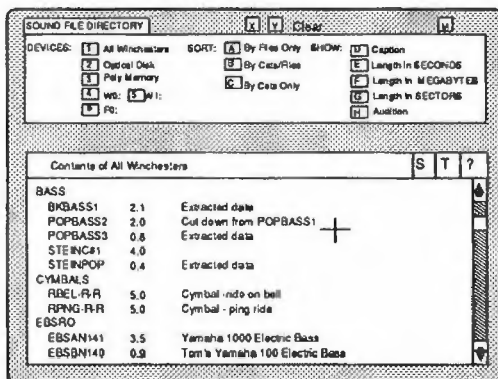Other displays are used to record and edit sound.

- The **Audio Event Editor** records and edits Direct-to-Disk cues and builds sequences.

- The **Sound File Editor** records and edits sound files in poly memory.

- The **Sequence Editor** records and edits a sequence of events in the sequencer.

Some of the displays can be selected from the Welcome Menu. All displays can be selected from the Main Menu.
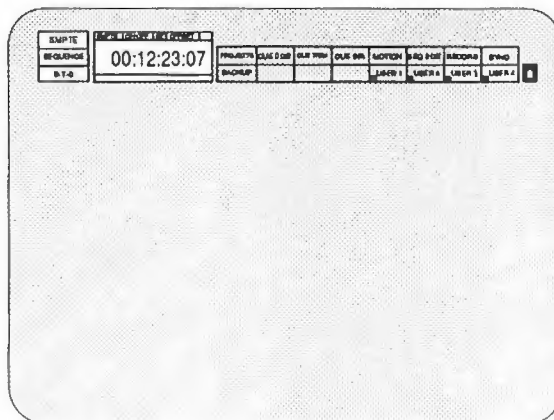
Real-Time Performance system displays

The Sequence Editor

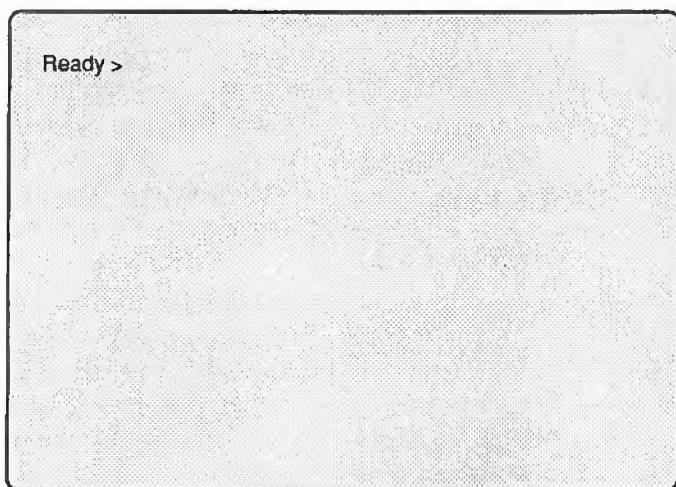*The Sound File Directory*

The Audio Event Editor

The Monitor

A separate software module, the Monitor, can be used to perform a host of file management tasks, including copying and storing files on hard disk and tape. You can also use it to rearrange storage space on the hard disk or to recover damaged files.

Two computer languages can be used with the Monitor, one for programming and one for music composition. **Scientific XPL** is a high-level language used to create the real-time programs that run the Synclavier and Direct-to-Disk systems. The **Script** language is a musical notation system that allows you to compose music at the terminal. Script commands give the computer precise instructions on pitch, rhythm, volume, dynamics and other parameters of each note. The **Script compiler** converts the alphanumeric music notation into a real-time Synclavier performance piece. A **reverse compiler** converts a sequence created in real-time into Script notation.

From the Monitor, you can access **utility programs** for copying files, formatting blank user disks and customizing system disks, as well as **diagnostic programs,** for preliminary diagnosis of system hardware malfunctioning. The diagnostic programs are designed to be used in consultation with N.E.D. Customer Service.

Ready >

The Screen Editor

The Screen Editor is a word processing program with a complete set of commands for creating, managing and editing text files on the terminal screen. It includes facilities for making global changes, copying or deleting sections of text, moving text from one file to another and many other word processing features.

This display is used primarily for faster and more convenient text file management than is possible with the Monitor. It is a general purpose text editor that can be used for creating Monitor command files, processing text files, editing Script compositions or writing XPL programs.

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A  THE SCREEN EDITOR




SED version 2.14 (15 Jan 88)
Line  1  t.XPL  Modified  Append Mode  Line Insert
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