



digital VT100  
Synclavier II





# New England Digital Announces its brand new Terminal Support Package.

The Terminal Support Package provides a completely new method to access Synclavier II's computer. The Terminal Support Package consists of three items: (1) Graphics, (2) Script, a music language, (3) Max, a programming language.

## GRAPHICS

Available immediately from New England Digital is a graphics package, which allows the user of Synclavier II to have a readout of numerical data printed out on a computer terminal screen. With the depression of the return character on the terminal, the numerical data is changed into a graphic display. A clear depiction of the volume and harmonic envelopes are drawn out on the screen. The relative volumes of each sine wave, comprising the sound whose envelopes are currently on the screen, is also displayed. (These displays can be seen in the photograph to the left.)

The graphics display provides an extremely valuable visual tool for programming new sounds and for more thoroughly analyzing sounds which have already been programmed for Synclavier II.

## SCRIPT

Script is the first of the two languages being offered by New England Digital. Script is a music language. It can be used as a composing tool to write musical performances into Synclavier II's computer without playing anything on the keyboard.

Entire musical compositions can be created by using Script. Composing with Script gives you up to 16 separate tracks to record on. Precise polyrhythmic melodies can be developed which would be difficult or even impossible to play on a keyboard.

Real-time changes can also be programmed through the terminal. In fact, all the real-time changes available with Synclavier II's digital memory recorder can also be programmed through a terminal with Script. This includes dynamics and other musical accents.

Any composition created with Script can be

stored on a disk, and then loaded into Synclavier II's digital memory recorder. All compositions created with Script can be made to play back in perfect sync with a multi-track recorder.

Another feature which is extremely helpful for musicians is the editing feature of Script. This allows you to edit existing compositions through the terminal. For example, you could add a 15 second interlude right in the middle of an already existing composition, without destroying the composition. The potential then is to be able to cut apart, reassemble, or tailor in any manner a composition without ever risking a loss of any of the original elements.

## MAX

Max is a complete music applications development system. It allows you to control all of New England Digital's special purpose hardware, i.e., the computer, analog to digital converters, digital to analog converters, and other devices like a scientific timer which can be programmed to be SMTE compatible.

Max comes complete with documentation for the Synclavier II hardware interfaces to enable a programmer to design his own software program. This language is for people who possess a much more sophisticated knowledge of programming computers. Basically it is a superset of XPL, the software language New England Digital uses to program Synclavier II's computer.

Max is designed to permit the owner of Synclavier II to take greater advantage of New England Digital's powerful 16 bit computer. Up to now, all software had to be written by New England Digital. The Terminal Support Package with the Max language gives you the opportunity to explore new ground on your own. The ways in which Synclavier II's hardware can be used by Max is virtually limitless.

All of us at New England Digital feel we've only begun to explore the full potential of the Synclavier II digital synthesizer. The Terminal Support Package is just one more step towards realizing Synclavier II's enormous potential.