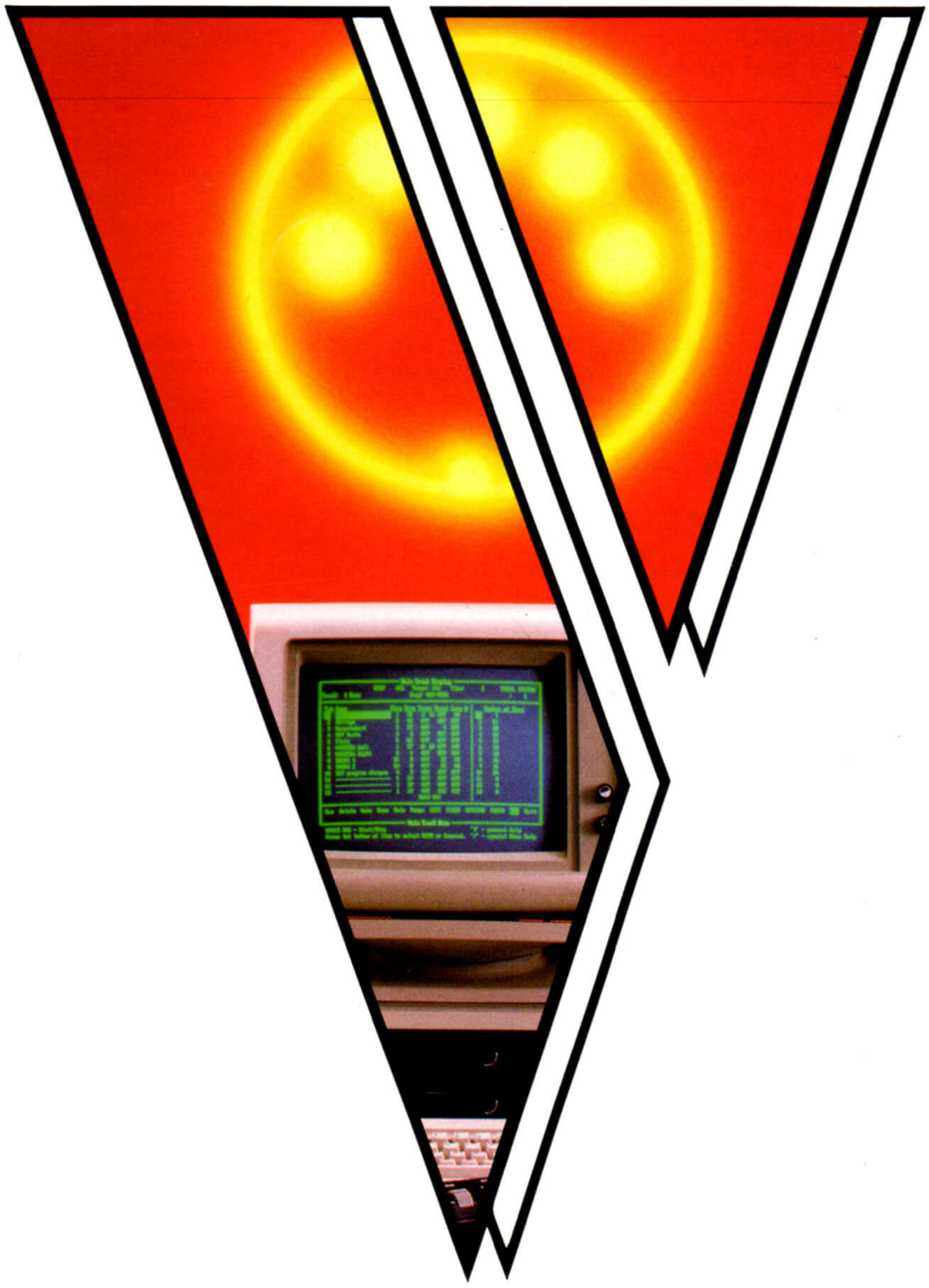
COMPUTER MUSIC PRODUCTS

for the IBM PC/AT and COMPATIBLES



VOYETRA

CATALOG 87A

...the sound approach to technology

IMAGINE. . .

...you're a producer with a problem: the player you need is in California on tour. But you've been keeping MIDI recordings of his session work using Sequencer Plus in New York. So you hook up a modem and transmit the files via phonelink to a studio in L.A. that also has Sequencer Plus. Your man shows up on his free day, plugs in, MIDI-records a dozen takes for you to choose from and modems the new file back to you.

...you're a player with a problem: you're cooking, but the recording gear isn't. Enough of this! You lay down a sync track, record and edit an inspired part with Sequencer Plus, then let the computer play things over and over and over, leaving the engineer to tweak and fiddle while you go out and have dinner.

...you're a composer with a problem: you can write brilliantly, but you can't play well. Sequencer Plus lets you fix even the clumsiest performance, editing and polishing the music in computer memory until it plays back the way you hear it in your head.

...you're an arranger with a problem: the client wants 57 variations of the song you're reworking. And he wants them yesterday. No sweat. With Sequencer Plus you can cut, paste, copy, stitch, insert, delete, compare, test and finalize a hundred different versions without blowing your deadline, your profit margin, or your cool!

...you're a studio owner with a problem: you're next client is coming in to redo the session he screwed up last week. He needs the twenty MIDI instruments he used on that recording and they all need the programs they contained during his last session. So, you power up Patch Master, call up the client's setup on the screen, and zap everything to the instruments with one keystroke. While he stands there and watches, smiles, and books his next session in your studio!

...you're a home recordist with a problem: you've got a 4 track recorder and a 24 track mind. But with Sequencer Plus you can lock 16, 32 or 64 "virtual tracks" to one track of taped sync code during mixdown. Good bye bouncing, good bye crunched fidelity- and hello to sounding like a pro.

...you're a computerist, and you've got a problem: deep inside you're itching to make some great music. The chops you developed before your business software took over your time are rusty, but good enough to create the kind of stuff that made you glad you were still in school. So, you fire up some VOYETRA software, link your PC to an inexpensive synth with the VOYETRA OP-4001 MIDI interface, and you're making music. At your own pace, when you have time and the way you want it!

...you're just you, and you've got a problem: you want to make the best music you possibly can. And you want the best tools available to do so.

That means computer music products from VOYETRA technologies. You can't do better!

PC/MIDI
PRODUCTS
FROM
VOYETRA
TECHNOLOGIES

Thank you for your interest in VOYETRA products!

Sequencer Plus
MIDI Editor/Recorder/Arranger

Conversion Plus
Sequencer Plus Series/
Personal Composer
Songfile Converter

Patch Master Plus
MIDI Network Organizer/
Universal Patch Librarian
MIDI Data Analyzer

Sideman DTX
Voice Editor/Randomizer
and Librarian for DX/TX
Synthesizers

OP-4000/1
Intelligent PC/MIDI Interfaces

TRADEMARK ACKNOWLEDGEMENTS
Voyetra, Sequencer Plus, Patch Master, Conversion Plus, OP-4001 are trademarks of VOYETRA Technologies
IBM PC, IBM AT are trademarks of International Business Machines

Where applicable, all other names are trademarks belonging to their respective companies.

...the sound approach to technology

™

Having been in the forefront of musical technology for over a decade, we at VOYETRA Technologies believe very strongly that traditional values of quality and craftsmanship are the most important ingredient in the design of any musical tool. If a tool is designed concientiously and intelligently right from the start, it will enhance a musician's creativity and productivity. If not, it will cause frustration and loss of valuable time.

A musician's choice of tools should be based on two things: *what* it does and *how well* it does it. *Especially* how well it does it. Musicians should devote their time and energy into notes and chord changes, not bugs and system crashes.

With that in mind we have meticulously created a comprehensive line of Computer Music products tailored to the unique power, cost effectiveness and support advantages of the most successful personal computer family in the world: the **IBM PC, XT and AT (plus compatibles)**.

VOYETRA's flagship software is the **SEQUENCER PLUS Series** (Sp3, Sp2 and Sp1). These products stand alone among sequencer software packages in all respects: range of features, precision, flexibility, reliability and- *most important of all- ease of use*. So much so, in fact, that Sequencer Plus ver 2.0 was selected as **PC Magazine's Editor's Choice** in an April 26, 1986 review of IBM Music Software.

CONVERSION PLUS expands the power of the SEQUENCER PLUS series by allowing them to trade songfiles back and forth with *Personal Composer* by Jim Miller to generate printed scores. Sequencer Plus songfiles can also be converted into musical notation with another popular program, *The Copyist* by Dr. T's Music Software.

PATCH MASTER PLUS is the first of a totally new kind of MIDI product. As a network organizer and universal librarian, it allows your computer to store countless numbers of MIDI instrument programs and sort them into banks that contain complete arrangements of your entire MIDI network. Your computer can transmit these banks of programs along with MIDI messages for each instrument at the press of a key! Patch Master Plus also includes a comprhensive diagnostic tool for MIDI users- MIDI TERMINAL. This powerful "window to the MIDI world" lets you see MIDI data right on your computer screen as well as communicate with your MIDI instruments in their own language!

SIDEMAN DTX is the first in our series of dedicated voice editors for today's most popular synthesizers. Along with it's full support of the popular YAMAHA DX-7 style FM synthesizers, SIDEMAN DTX includes a unique voice randomizer feature that actually creates new sounds for your synthesizer automatically!

But while software does the work, the hardware is the vital link in any computer music system. Our **OP-4000/1** intelligent MIDI Interfaces are *100% software compatible with the industry standard MPU-401* and yet *retail for substantially less!* Over the past few years they have clearly become the professional's first choice, offering greater flexibility, direct sync to the widest range of gear and the best price around!

The purchase of most of our products includes a free membership to P.A.N., an electronic bulletin board for MIDI musicians- **a $150 value**! With PAN, customers can access the VOYETRA HOT LINE, Bulletin Board, and Mailbox to learn pertinent information, send messages and ask questions about VOYETRA products, as well as communicate directly with other PAN subscribers.

We can proudly say that **all** of our products have been *critically acclaimed as being the best in their class by both customers and magazine reviewers.* We hope you'll take the time to find out what thousands of musicians already know... VOYETRA *is* **the** *sound* approach to technology.

VOYETRA TECHNOLOGIES

426 Mt. Pleasant Avenue, Mamaroneck, NY 10543 (914) 698-3377

What they're saying about VOYETRA products:

Product History

1975

Cat Synthesizer

1976

Kitten Synthesizer

1977

Cat SRM Synthesizer

1979

Catstick Synth Controller

1980

CAT SRM II Synthesizer
Kitten II Synthesizer

1981

Voyetra 1 Synth Module
Voyetra 8 Synth Module
VPK-5 Keyboard Controller
VPK-1 Keyboard Controller

1982

Apple II Voice Editor
Voyetra 8 Series II

1983

IBM Voice Editor
IBM MIDI Interface Card

1984

Voyetra 8 Series III
VWK-5 Wood Keyboard
Sequencer Plus 1.0
Commodore Voice Editor

1985

OP-4001 MIDI Interface
MPU-401 Buffer Card
Voyetra 8 Series IV
Sequencer Plus 2.0
MIDI Computer (tba)
MIDI Guitar (tba)

1986

Patch Master
Conversion Plus

1987

Sequencer Plus Mk I, II, III
Patch Master Plus
Sideman DTX
OP-4000 MIDI Interface

Reviewers...

"The only functional difference (between the MPU-401 and OP-4001) is that the OP-4001 cannot transmit Roland Sync out. Unless you are planning to use your system to drive old Roland sequencers or arpeggiators that accept neither MIDI or TTL sync, you'll never miss this feature.

Once installed **the Op-4001 performed exactly as promised**.

When tested on a variety of MIDI software packages...**all the software functioned exactly as it does on my MPU-401.**

If you haul a PC to studio dates or gigs, you'll appreciate the OP-4001's configuration. Certainly **everyone can appreciate its attractive price and full compatibility**."

Paul Grupp

"The OP-4001 IBM PC MIDI Interface"

Electronic Musician, June 1986, pp78-79

"**Sequencer Plus puts an amazing amount of information in front of you** but at the same time succeeds in keeping it from overwhelming you.

The program's structure is logical enough that you usually can find what you want in the first place you'd think to look. On top of this, Octave-plateau took care to provide an **excellent manual and extensive help screens**.

All in all, Sequencer Plus is **a well crafted, professional musical instrument.** And the unusual player-piano format for displaying notes is clear enough so that **I learned to read these screens for their musical content in remarkably little time.**

Sequencer Plus would be my first-choice program."

James Langdell

"The PC's New Frontier: Music"

PC Magazine, April 29, 1986 p188

"(Sequencer Plus is)... a **high powered, versatile composing tool which utilizes a friendly routine of user commands**.

Moving around the screen and changing things via the command keys is simple, direct and consistent. A variety of single keystrokes allow quick access to any part of the display.

After a year of continuous use in and out of the studio, I've developed many creative applications for all its editing features. **Sequencer Plus has lived up to my expectations of a sequencer's contribution to the compositional process.**"

Frank Doyle

Software review of Sequencer Plus

KCS Magazine Vol 1 No. 5 pp 60-63.

"Sequencer Plus permits complete control over all aspects of your recording. **Its powers are dazzling!**

Sequencer Plus is **an exceptional, well thought-out product.** The help screens provide clear and valuable assistance; the commands are logical and consistent throughout the range of the program; and **the manual is one of the best written and informative that I've encountered for any class of software, musical or otherwise.**"

Stephen Perry

Review of Seq+ & Personal Composer

Checking It Out, Nov 86

"(Sequencer Plus) is **the single best piece of music software, MIDI or otherwise, that I have ever encountered** for the simple reason that it gives me complete and total control over every aspect of the music I've recorded and, better still, it does it in an easy-to-use way.

The power of Sequencer Plus is so great, in fact, that you'll be discovering new uses for it daily. It has been invaluable to me in completing my first album."

Freff

IBM Software Review

One, Two Testing Magazine, Nov 85

"I've been using Sequencer Plus on my Tandy 1000 for several weeks now, and frankly, **I've never seen a more powerful, easy to use music recording and performance system.**

If you can imagine it, Sequencer Plus can make it happen.

Sequencer Plus lets you edit MIDI events like program changes, pitch bends, aftertouch, velocity and even real-time parameter control. **Using musical notation for these tasks would be much less workable than Octave-plateau's system.**

(Sequencer Plus)... was so easy to use that I installed it and recorded a complete, polished

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piece of music for three synthesizers and a drum machine in less than two hours.

Sequencer Plus never put me on hold. It also seems to be **bug-free.**"

Paul Grupp

"Hardware that Hums, Software that Sings"

PC Companion, February 86, pp 30-39

USERS...

"I recently purchased your product and I like it. I find it was easier to learn and in many ways **more versatile than my Fairlight CMI.**"

Ed Seykota

Hawaii

"I've been running Sequencer Plus for several weeks now and must congratulate you on **an excellently designed and elegantly written piece of work.**"

Travis Charbeneau

Virginia

"(Patch Master and Sequencer Plus are)... **two beautiful and really working programs** and this gives you a taste for more- as with all good things!"

Johannes Leyman

Sweden

"... **its capabilities and the quality of its ergonomic design are so well thought out that I was comfortable with using it almost immediately.** Sequencer Plus does everything it purports to do, and does it correctly as well!"

Robert D. Villwock

California

"This is primarily a fan letter for your Sequencer Plus program. I congratulate you on **a well thought out product.** I had purchased a Roland MPS and had practically given up on the idea of composing! **I find yours, well, elegant!**"

Greg Young,
Autonomics

California

"With this software (Patch Master) **we can store entire synth setups to the computer and recall them in seconds, as if one were to take a photograph that included patch selections and MIDI routings.** All of our synth bank memories are volatile and each client gets his own file space on our computer. After a session, the synth setup is stored to hard disk until the client returns, whereupon the setup is downloaded to the synths just as if it were never touched.

Sequencer Plus is equally as impressive and was chosen as our in-house sequencing software."

Rod Funsten, 39th Street Music , Inc

MIX Magazine, Nov 86, p 236

"After years of buying music gear, only to see this year's model outdated time and time again, **it is a refreshing feeling to buy a product which truly goes from good to better than one could imagine.** You have done a sensational job."

Wayne Joness,
Music Instructor

Virginia

About VOYETRA TECHNOLOGIES

VOYETRA Technologies began in 1975 as Octave Electronics, manufacturers of the CAT Series of electronic music synthesizers. In 1979, the company merged with Plateau Electronics, a prominent synthesizer service organization, changing its name to Octave-plateau Electronics Inc.

In June 1986, Octave-plateau became VOYETRA Technologies to better identify the company with its flagship product, the VOYETRA Eight Synthesizer.

Always recognized for it's innovations, VOYETRA has been granted several US patents for it's unique product designs. Over the past several years, VOYETRA has altered its focus from manufacturing synthesizers to producing music software and peripherals for the IBM PC and compatibles.

In 1984, VOYETRA introduced Sequencer Plus, the first professional MIDI recorder/ arranger/ sequencing program for the IBM PC. Since then, Sequencer Plus has been greatly enhanced in response to user comments and has evolved into the present series of Sequencer Plus Mark I, II and III.

VOYETRA's products are sold domestically through hundreds of independent computer and music retail outlets and are distributed worldwide in over 15 foreign countries.

The VOYETRA Eight Synthesizer:

The VOYETRA Eight synthesizer, introduced in 1981 and discontinued in 1987, was one of the electronic music industry's most innovative products and pioneered many of the features common in today's commercial instruments. Among it's unique innovations, the V8 was...

... the first commercially available polyphonic synthesizer to be packaged as a *rack-mount module,* preceding by quite some time the rack synths that are on the market today.

... the first synthesizer to use a *serial communications bus* for connecting many modules as a network. This allowed modules to exchange data and thus be played and programmed simultaneously as one large instrument using a master keyboard or computer. *This serial bus was conceptually similar to the present MIDI standard but preceded it by over a year.*

... the first synthesizer to incorporate a *"paged-panel"* whereby the panel controls take on many different functions to save space.

... the first synthesizer to implement *"performance programs" or "steps"* whereby groups of programs and modifications to them are stored in a separate memory bank for easy real-time system changes.

SEQUENCER PLUS™

Series

MIDI Editor/ Recorder/ Arranger

A family of powerful sequencing programs suitable for any computer music application

PC MAGAZINE EDITOR'S CHOICE

System Requirements

- IBM PC/XT/AT or compatible with at least 340K RAM. (640K required for 60,000 note capacity).
- PC DOS 2.0 or Higher
- Any type of PC monitor (EGA recommended)
- OP-4000/1 or MPU-401 MIDI interface.
- TO USE THE LIBRARIAN FEATURE OF SP3, PATCH MASTER IS REQUIRED.
- Sequencer Plus song files can be transcribed into traditional music notation using The COPYIST by Dr. T's Music Software or by using CONVERSION PLUS in conjunction with PERSONAL COMPOSER.
- Compatible with Software Carousel

Sp2 and Sp3 include

- Free membership to P.A.N.

Retail prices

Sp1. . . . $99.00
Sp2. . . .$295.00
Sp3. . . .$495.00
Sp3 Demo Disk . . .$10.00

Specifications are subject to change without notice

Sequencer Plus Mark I, II and III (Sp1, Sp2 and Sp3) comprise a three-level line of related products based on the popular (and proven!) **Sequencer Plus package.** All three allow you to pick MIDI editing software to match your needs. *Start with the level that suits you best and move up when (and if) you feel like it.*

Sp1, Sp2 and Sp3 are comprised of many **independent "tracks"**, similar in concept to those on a multitrack tape deck. Using these tracks, you can record MIDI data from external synthesizers that are connected to your computer via an OP-4001 or MPU-401 interface. *You can also build up a composition without an external synthesizer by entering notes via the computer keyboard.*

Each track can be assigned its own MIDI channel, allowing you to build up complex songs one part at a time. All of the tracks can be played back at once, or you can turn off those you don't want to hear.

And with Sp2 or Sp3 you can *examine tracks for any form of MIDI data* (except sysex commands) so that *you can display, move, delete, change or insert any individual MIDI event.*

Sp2 and Sp3 also have a special **TEMPO TRACK** for entering tempo changes- *allowing your computer controlled music to slow down or speed up in a "natural" fashion.*

The Sequencer Plus series uses a precise format of "**bar-graph**" **note display** that is designed to deal with MIDI data in a detailed way. With this system, you can edit your songs on a **Macro** or a **Micro** scale.

On the **Macro Level**, the **VIEW screen** allows sections of a track to be cut and pasted to any part of the song. And, using special buffers, *you can save sections of your song until you paste them somewhere else in the same or a different song*!

On the **Micro level**, you can use the **EDIT screen** to precisely manipulate all of the attributes for individual notes such as start time, pitch, velocity, and more!

Deleting and inserting notes is simple... just move the cursor to the note, press "Delete" or "Insert", and it's done!

Sp3 is *fully integrated with Patch Master*. You can upload and create banks of instrument programs with Patch Master, then read them into Sp3 to download them right from the Sp3 librarian screen. Setups can be created and stored as part of your Sp3 song!

If you require **music notation,** Conversion Plus allows you to transfer your Sequencer Plus songs into **Personal Composer** format. Or, you can use **the Copyist** by Dr. T's to directly read and transcribe Sequencer Plus files.

Any member of the Sequencer Plus series is a smart buy because *you can upgrade from Sp2 to Sp3, or from Sp1 to Sp2, for the difference in their retail prices.* That way you can start off with what you need now and move up with your future requirements.

It's a system that will grow with you instead of being outgrown. Best of all, it doesn't demand that you be a computer programmer, just a musician.. and isn't *that* a relief!

Sequencer Plus Mk I (Sp1) is for MIDI beginners, hobbyists, students and musicians on a budget. At only $99.00, it's the *least expensive PC sequencer on the market*! But don't think that low price means low power! It's list of features proves that Sp1 offers **enough music making power to satisfy even a seasoned pro!**

Sequencer Plus Mk II (Sp2) offers all of the features of Sp1 and then some. Twice the number of tracks and many additional useful features make Sp2 the perfect production tool for most projects. If you need more power than Sp1 but aren't quite ready for Sp3, then Sp2 is you're perfect choice.

Sequencer Plus Mk III (Sp3) is the *most powerful MIDI sequencing software in the world*. It has all of the Sp2 features and *more*, including direct interfacing to the *Patch Master MIDI Network organizer and universal program bank transmitter* program. Sp3 can handle *virtually any* production task and is the choice of pros worldwide!

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SPECS

SEQUENCER PLUS

MIDI *recorder/editor/arranger*

SEQUENCER PLUS mk I

- 16 COMPLETELY INDEPENDENT MUSIC RECORDING TRACKS, each with individual choice of MIDI channel, MIDI program, Looping, transposition over a 10 octave range, Mute on/off, solo, and optional playback quantizing from quarter notes to 64th note triplets. Timing resolution of 96 clicks per quarter note.
- MERGE TRACKS for playback through matched channel assignments.
- LOOP TRACKS of different lengths without unwanted gaps or silences.
- UP TO 60,000 NOTES per song in a 640K system.
- A SIMPLE, POWERFUL INTERFACE of screens and pop up windows.
- CLEAR, CONSISTENT EDITING COMMANDS. Sensible too. Our system of standardized control keys and single-letter mnemonic keystrokes is a spoiler- easy to learn and hard to forget.
- VIEW SCREEN, a dynamic track sheet which can show up to 72 measures of 16 tracks at the same time (22 for Sp2 and Sp3)-to see the rest, just scroll. VIEW is an arrangers dream.
- 3 MEMORY BUFFERS let you "cut and paste" your music by easily copying, inserting, adding, replacing, extending, deleting and instantly hear the results, without ever losing sight of the big picture.
- DIRECT NOTE EDITING. Bar-by-bar graphic displays for inserting and deleting notes, or editing note pitch, duration, start-time and velocity (even note release velocity for synths that use it). Better still, you can edit as precisely as suits your personal preferences.
- AUTOMATIC DISPLAY SCROLLING. In VIEW and EDIT screens, the display always keeps up with playback so you'll never be lost.
- COMPLETE FREEDOM OF TIME SIGNATURES AND POLYRHYTHMS. Any measure in any track can be any time signature. Sequencer Plus won't miss a beat and you can take your music to places nobody has ever explored!
- EXTENSIVE PUNCH-IN CAPABILITIES. In any track, on any measure boundary, at any time.
- COMPATIBILITY WITH MOST MEMORY RESIDENT PROGRAMS such as Sidekick, Superkey and various synth editor/librarian programs.
- Two levels of on-line help: Basic and command specific.
- FAST SONG AND TRACK LOADING Typically a 120K songfile takes under 10sec to load from a floppy disk and under 3 sec from hard disk!
- COMPATIBILITY WITH SOFTWARE CAROUSEL, so you can take full advantage of expanded memory systems to run multiple programs.

SEQUENCER PLUS mk II

Includes all of the features of Sp1 plus...

- 32 INDEPENDENT MUSIC TRACKS.
- 6 MEMORY BUFFERS.
- PROGRAMMABLE TEMPO TRACK for total control of your music's "feel". Push the beat as you swing into choruses. Lay back during the verse. Breathe some personality into your personal computer- Sp2 (and Sp3) can handle a tempo change every sixteenth note!
- COMPLETE MIDI EVENT CONTROL. Display and edit MIDI data like Pitch bends, program changes, aftertouch, and controllers. Insert, delete, rearrange, reassign or change the value of events as you choose.
- MIDI SONG POSITION POINTER and BULLETPROOF SYNC to drum machines, tape decks, and other MIDI devices through 24 or 96 click-per-beat FSK, MIDI clock or 5V clock (with OP-4001 interface).
- SAVE AND LOAD INDIVIDUAL TRACKS AS WELL AS SONGS. Dealing in individual tracks is the same as having an infinite number of memory buffers at your disposal. Keep whole libraries of drum patterns, bass lines, riffs, chord changes and MIDI special effects (like sequences of program changes) on disk, ready to use anywhere you need them.
- CUSTOMIZED DISPLAY. Adjust the appearance of Sp2 (and Sp3) to suit your level of expertise, your sense of esthetics and the features of your monitor by changing the colors of the different screen attributes.
- THE BEST MANUAL IN THE BUSINESS. Documentation the way it should be: practical, entertaining and to the point. Includes MIDI applications help.
- SYNC CHASE MODE so you can take your hands off and let your tape deck run your sequencer.
- PLAY RANGE. Set any selected portion of a song to play, then repeat at the press of the spacebar.
- MIDI INTERFACE RESET COMMAND.

SEQUENCER PLUS mk III

Includes all of the features of Sp2 and Sp1 plus...

- 64 INDEPENDENT MUSIC TRACKS.
- 11 MEMORY BUFFERS.
- MIDI FILTER lets you selectively eliminate or thin the density of specific MIDI controller commands to reduce MIDI bottlenecks.
- INDEPENDENT OFFSET, FORWARD OR BACKWARD in time for all 64 music tracks.
- BLOCK MOVES- COPY, INSERT and DELETE groups of tracks (or sections) at a time.
- FULL INTEGRATION WITH PATCH MASTER LIBRARIAN PROGRAM lets you download sounds into all your instruments by pressing a single key. With Sp3's librarian page, you can arrange the MIDI instruments, channels, banks and programs for your song the way you want and store the setup to disk along with your song. (Patch Master must be used to modify banks of sounds and to upload sounds from your synth into the computer)
- TRACK TRANSFORM COMMANDS. Harmonize, transpose, invert, change volume, set crescendos and decrescendos, merge, split, re-map and otherwise alter tracks (or portions of tracks) using any of 17 different transforms.
- KEY SIGNATURE WINDOW with 84 different keys for specifying harmonic transpositions and inversions. Seven modes- Major, Minor, Dorian, Phrygian, Lydian, Mixolydian and Lochrian- for every possible root note.
- BACKUP COMMAND for instant track copies.
- JUMP COMMAND for instant track organization (and reorganization).
- AUTOMATIC INSERT NOTES- quick entry of whole, half, dotted half, quarter, eighth, sixteenth and thirty-second notes. In other words, step-time entry where you can really see what you're doing! (default note lengths can be adjusted to your own needs and saved to disk.)
- IMPROVED CURSOR MOVEMENT. All it takes to jump from one note or MIDI event to the next is pressing a single key.
- CHROMATIC OR NUMERIC TRANSPOSITION DISPLAY.
- NOTE DISPLAY BY FLATS SHARPS OR MIDI NOTE NUMBERS.
- OPTIONAL NOTE TRIGGER. Automatically hear notes as the cursor touches them; great for editing and analyzing your music as well as practical tricks like scanning for drum machine sounds.
- OPTIONAL SCROLL FREEZE so the editing display always stays in the pitch range of your choice.
- FULL ON-LINE HELP, virtually an entire manual on disk never more than a keystroke away!

Voyetra Technologies,

426 Mt. Pleasant Avenue, Mamaroneck NY 10543
914-698-3377

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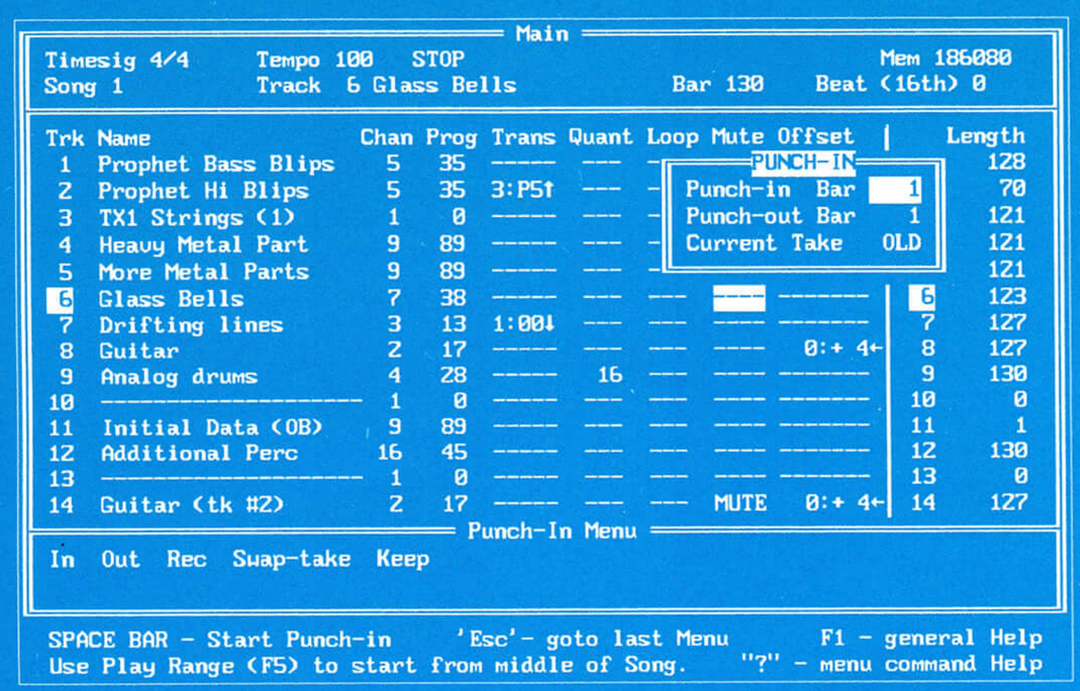
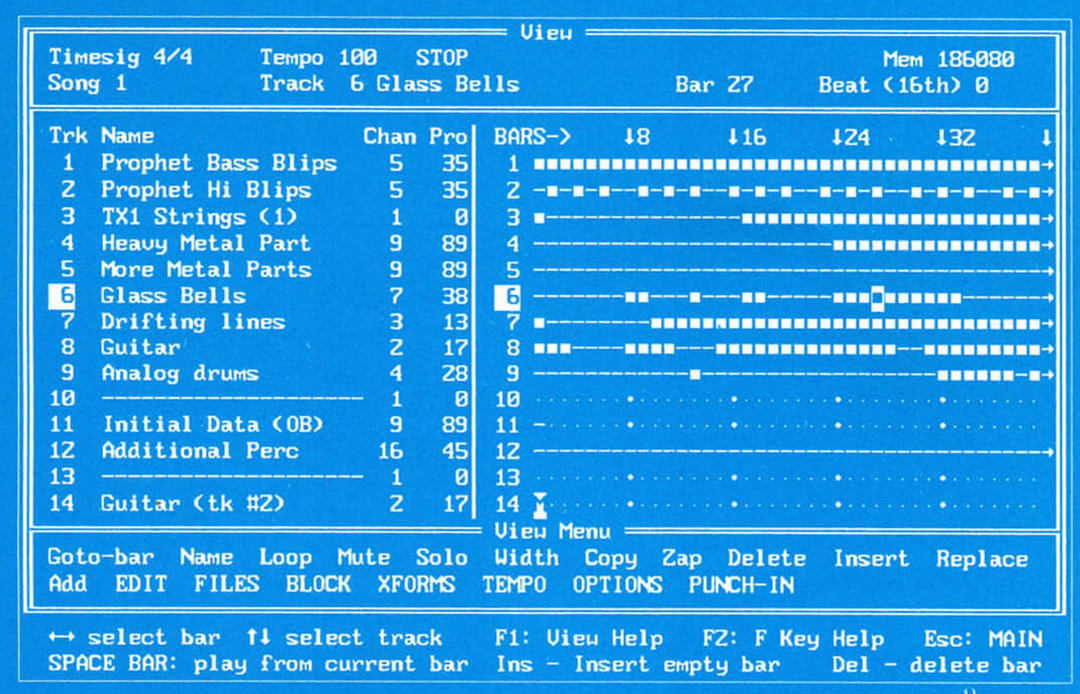
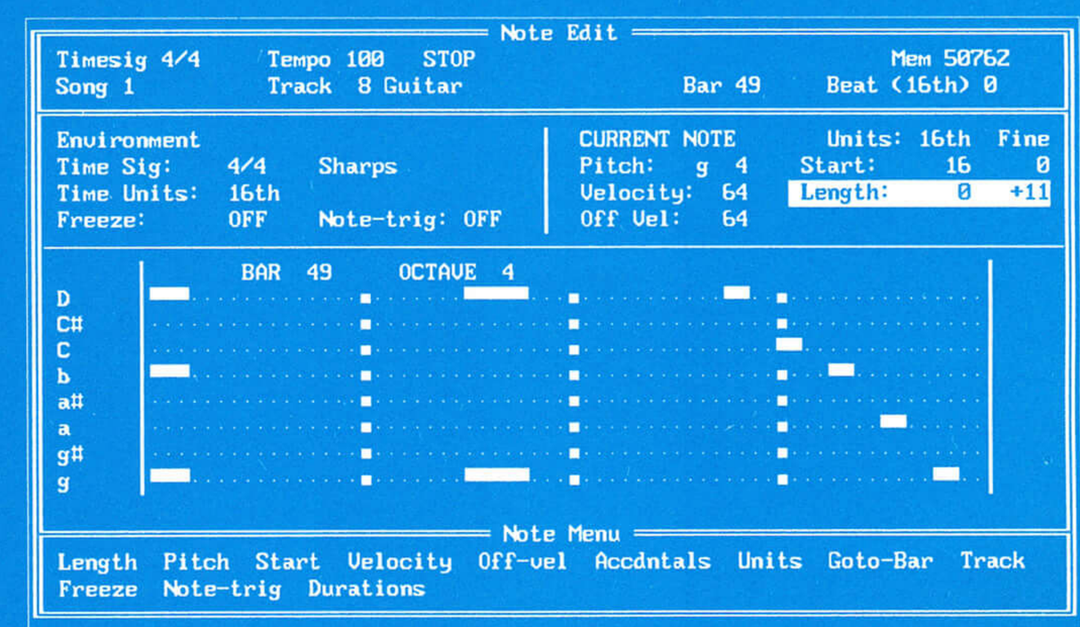
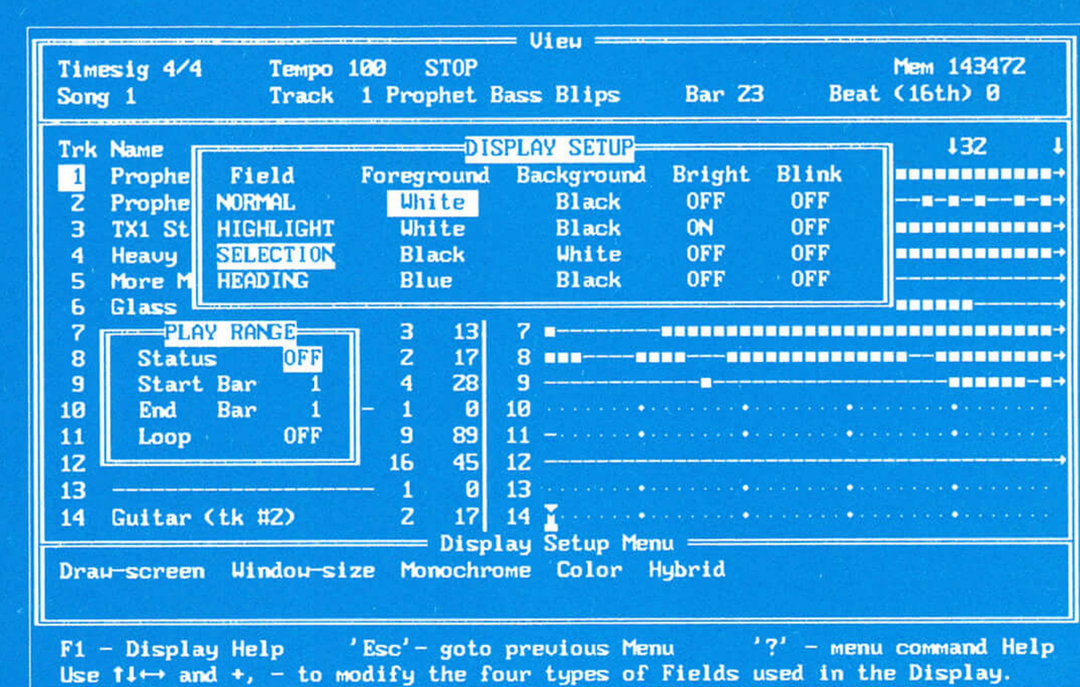








MAIN SCREEN (With PUNCH-IN Window)

MAIN is the heart of the program. It lets you record on any of the music tracks (16 for Sp1, 32 for Sp2 and 64 for Sp3) with display of name (up to 32 characters) and the number of bars in the track. It also provides control of MIDI channel, program number, transposition, quantizing, looping and muting. With Sp3, you can also individually shift each track in time.

Here, transpose is currently in CHROMATIC mode, so track 2 is shown being transposed up by 3 octaves plus a perfect fifth. A pop-up **PUNCH-IN window** lets you make as many overdubs as you need to get something just right.

VIEW SCREEN

Shows the song structure as a "track sheet" of up to 72 bars of 22 tracks at a time (16 tracks for Sp1). Bars containing music are shown as blocks of light, while a "-" indicates empty bars. L and M indicate LOOPED and MUTED tracks. Playback can start from anywhere in a song. Memory buffers allow quick "cut-and-paste" editing of sections by moving and copying a range of bars throughout the song. A **TEMPO TRACK window** (SP2 and Sp3 only) lets you tie programmable tempo changes to any point in the music you want, right down to the 16th note level!

NOTE EDIT SCREEN

The NOTE EDIT screen lets you edit every aspect of a note including start time, duration, pitch and velocity, with total precision. **CURRENT NOTE window** indicates all of the parameters pertaining to the highlighted note.

The **ENVIRONMENT window** has selectable options such as current time units, sharps/flats/numbers for pitch display and more. The screen displays one measure at a time, changing with playback. You can scroll in the horizontal and vertical directions. Sp3 and Sp2 also include a **MIDI EDIT screen** for detailed editing of MIDI data.

DISPLAY SETUP/PLAY RANGE SCREEN

Using the **DISPLAY SETUP window** (Sp2 and Sp3) you can set all of the color attributes of your screen. The **PLAY RANGE window** (Sp2 and Sp3) lets you decide which range of bars will play, an indispensible feature for rehearsing a certain part over and over again without having to play the entire song.

A **CONFIGURATION window** (not shown) also allows you to set up the system default values such as hard drive paths, edit window size, basic help on/off and transpose display mode.

VOYETRA

FILES SCREEN

The Files screen lists all of your **songs** (and **tracks** in Sp2 & Sp3) and **librarian setups** (in Sp3), sorted in alphabetical order with file size. The date and time of the last update is also listed, so you can keep track of versions.

Files can be loaded, renamed or deleted by placing the curser over the name and selecting a letter for the operation (eg. "L" for load) so that you never need to type in the name or remember the exact spelling. Path command provides full support of hard disks.

Sp3 KEYSIG SCREEN (W/TRANSFORMS)

The **TRANSFORMS window** lets you apply 17 operations to a range of bars in a track, from as little as a single bar to as much as the entire track. For example, it will let you increase the velocity of all of the notes in a chorus section, change all notes of a certain pitch to a different pitch, move all notes in a certain section by a fixed time interval, and more.

Some transform functions need to know the key of your song. Using the **KEYSIG window,** you can select the proper key by moving the cursor over the desired root and mode and then pressing ENTER. The 8 standard modes are supported.

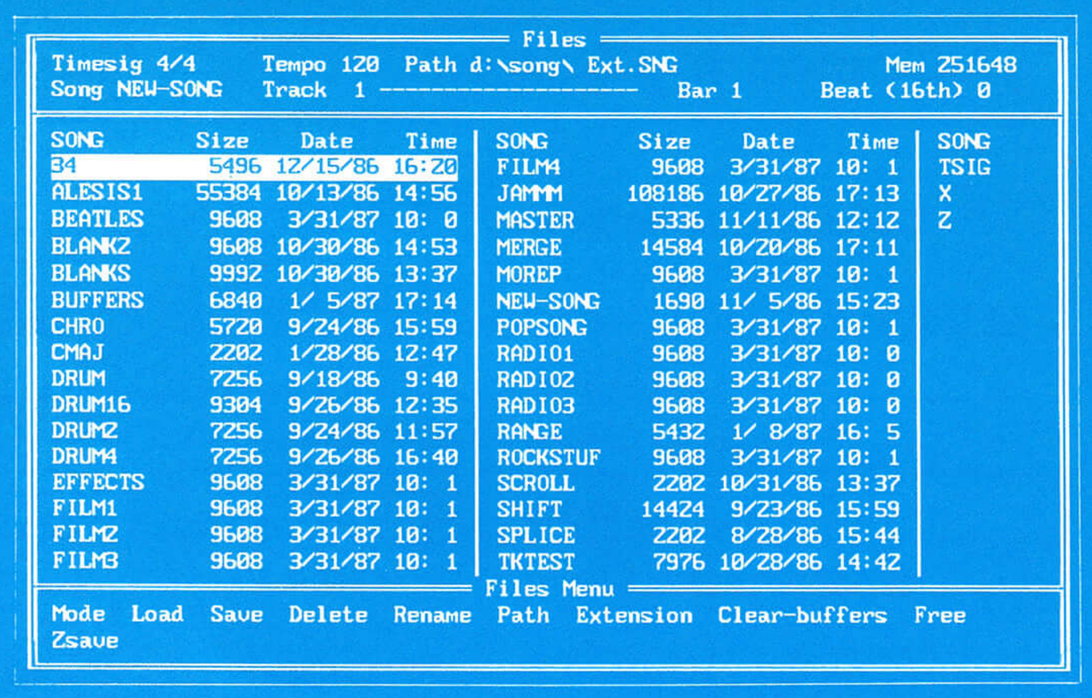
Sp3 LIBRARIAN SCREEN (& PROGRAM WINDOW)

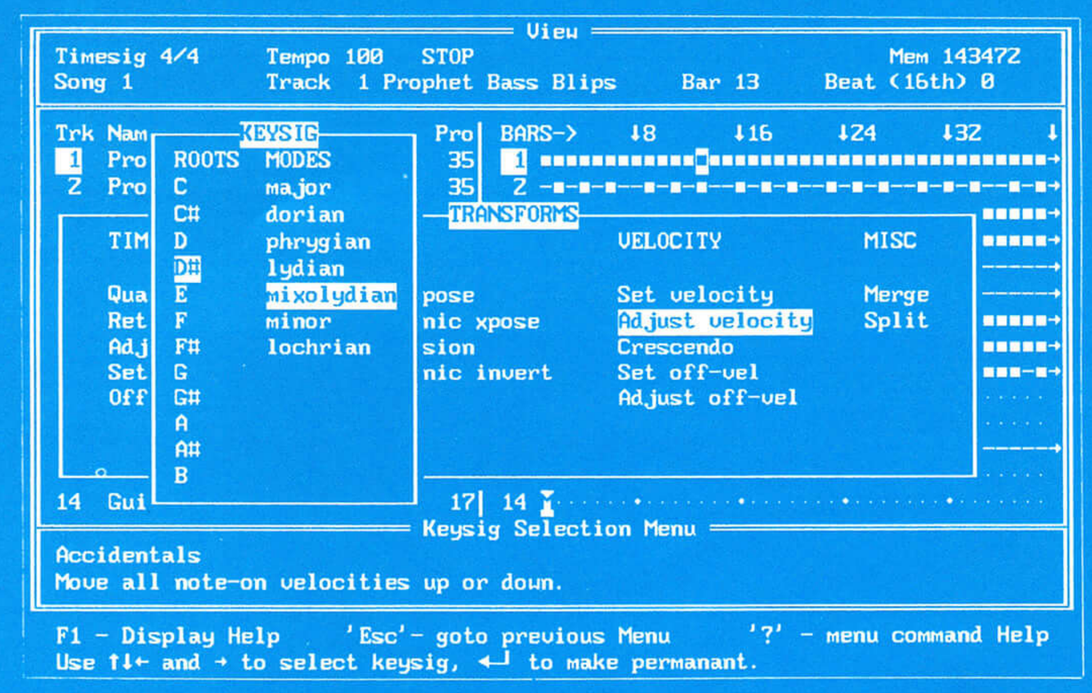
The Sp3 LIBRARIAN SCREEN lets you store complete setups of all your instruments as part of your song. Without it, you'd have to make sure that every instrument in your system has the programs you'll need and, if not, you'd have to load them into each instrument before beginning your song.

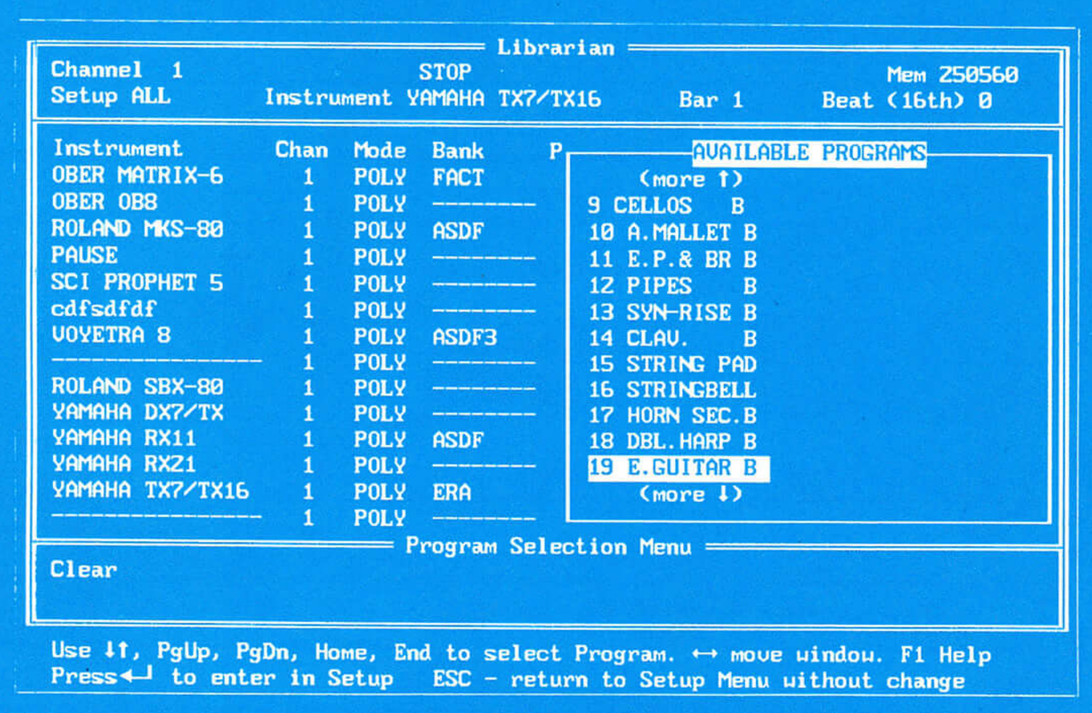
With the LIBRARIAN SCREEN, banks of programs (created with **Patch Master**) stored on your disk can be transmitted to your synths by simply pressing **T**. The **PROGRAM window** lets you easily select programs by name (rather than number) by highlighting the one you want with the cursor keys.

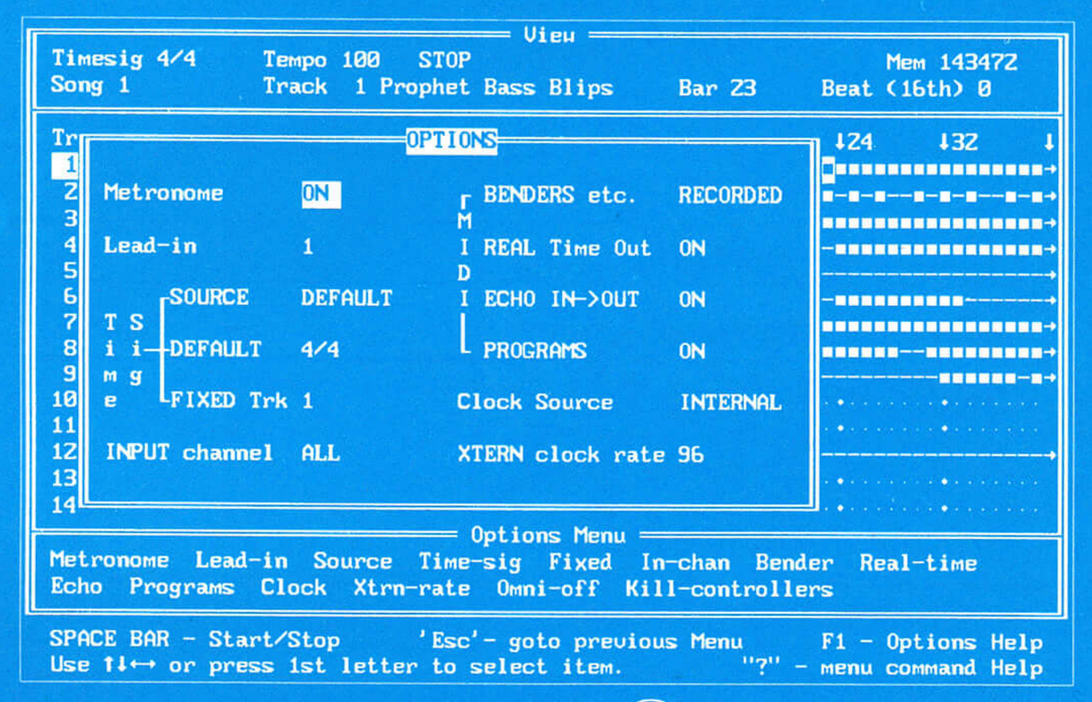
OPTIONS WINDOW

The OPTIONS WINDOW provides direct control over the OP-4001 (or MPU-401) MIDI interface including metronome (on/off), number of bars for lead-in, MIDI input channels recognized, Time signature, filtering of MIDI benders, MIDI Echo, MIDI programs transmit, internal or external clock source (Sp2 & Sp3), and external clock rate (Sp2 & Sp3). Special OMNI OFF and KILL CONTROLLERS commands allow you to setup your synthesizers right from the computer keyboard.









Sequencer Plus

Comparing Some of Today's Most Popular Personal Computer Sequencers

Comparison prepared May 1987	SEQUENCER PLUS Mark I	Mark II	Mark III	TEXTURE ver 2.5	Personal Composer	Performer	Opcode Seq 2.5
Computer	IBM PC	IBM PC	IBM PC	IBM PC	IBM PC	Mac	Mac
Price	$99	$295	$495	$295	$495	$295	$250
Music Tracks	16	32	64	24	32	200 +	26 +
Linear/Pattern Based	L	L	L	P	L	L	P
Accepts Sp3 Songfiles	Y	Y	Y		Y		
Same Ease of Use as Sp3	Y	Y	Y			Y	
Visual Note Editor	Y	Y	Y		Y		
Visual Track Editor	Y	Y	Y	Partial			
Programmable Time Sig	Y	Y	Y		Partial		Partial
Programmable Tempo		Y	Y	Y	Y		Partial
Memory Buffers	3	6	11	0	1	1	1
Compatible with Notation programs	Copyist and Personal Composer (w/ Conversion Plus)			Copyist	included	Profess Composer	DMCS
Song Position Pointer Xmit	Y	Y	Y	Y		Y	Y
Receive		Y	Y	Y		Y	Y
Tape Sync		Y	Y	Y	Y		
MIDI Sync Xmit	Y	Y	Y	Y	Y	Y	Y
Receive		Y	Y	Y	Y	Y	Y
Sync Chase Mode		Y	Y	Y		Y	
Xfrm Cmnds (global Edits)			Y	Y		Y	
MIDI Filt Cmnds During Rec	Y	Y	Y	Y	Y	Y	Y
After Rec			Y	Y		Y	Y
Independent Track Offsets (non Destructive)			Y			Y	
Looping	Y	Y	Y	Y	Y		Y
Save/Load Indiv Tracks		Y	Y		Y		Y
MIDI Event Editing		Y	Y	Y		Y	
Downlding Ntwk Organizer			Y		Dx7 Only	Partial	
Block Moves (Edit Multiple Tracks)			Y	Y		Y	SongMode
Hear Edit Note			Y	Y			N/A
Preset Edit Notes	0	0	6	0	0	Y	N/A
Advanced Cursor Mvment		Some	Y	N/A	Mouse	Mouse	Mouse
Basic Help in Each Screen	Y	Y	Y	Y			Y
Command Help	Y	Y	Y	Y			
On-Line Instruction Manual			Y	Y			Y
Choice of Screen Colors		Y	Y	Y			
Manual Includes MIDI Apps		Y	Y	Y		Y	Y

CONVERSION PLUS™

Sequencer Plus/ Personal Composer Songfile Convertor

Couples the efficient and powerful Bar-graph editing system of Sequencer Plus to the traditional music notation of Personal Composer

System Requirements:

- IBM PC/XT/AT or Compatible with at least 640K RAM
- Personal Composer v1.35
- Sequencer Plus v2.0, Sp3, Sp2 or Sp1
- Hercules or EGA graphics card
- DOS 2.0 or higher
- OP-4000/1 or MPU-401 interface
- Compatible with Software Carousel

Retail price

$99.00

Specifications are subject to change without notice

At last, the best of both worlds! Now you don't have to compromise.

CONVERSION PLUS bridges the gap between SEQUENCER PLUS and PERSONAL COMPOSER, letting you move songfiles from one program to the other as needed.

Record, edit, arrange, quantize and extract parts in Sequencer PLUS, then use Personal Composer to print out perfect scores and lead sheets.

Or, take your Personal Composer scores and sequences and supercharge them with Sequencer PLUS's graphic bar-note display for high-resolution note and MIDI data editing, programmable tempo changes, VIEW arranging screen and memory buffers.

Either way, Sequencer Plus and Personal Composer form the perfect recipe for the best MIDI recordings and performances you've ever made.

Conversion plus will work with any member of the Sequencer Plus Series (Sp1, Sp2 or Sp3) to convert their song files into and from Personal Composer Ver. 1.35.

Two versions of songfile conversion are included **(CNV and CNV2).** Both versions have the same functions but use different user interfacing.

CNV operates through a user-friendly interface of step-by-step questions, remembering previous entries to speed error correction.

CNV2 is entirely command-line driven for efficiency of use and maximum application of batch files and other DOS functions.

COMMANDS when converting **from Sequencer PLUS to Personal Composer include:**

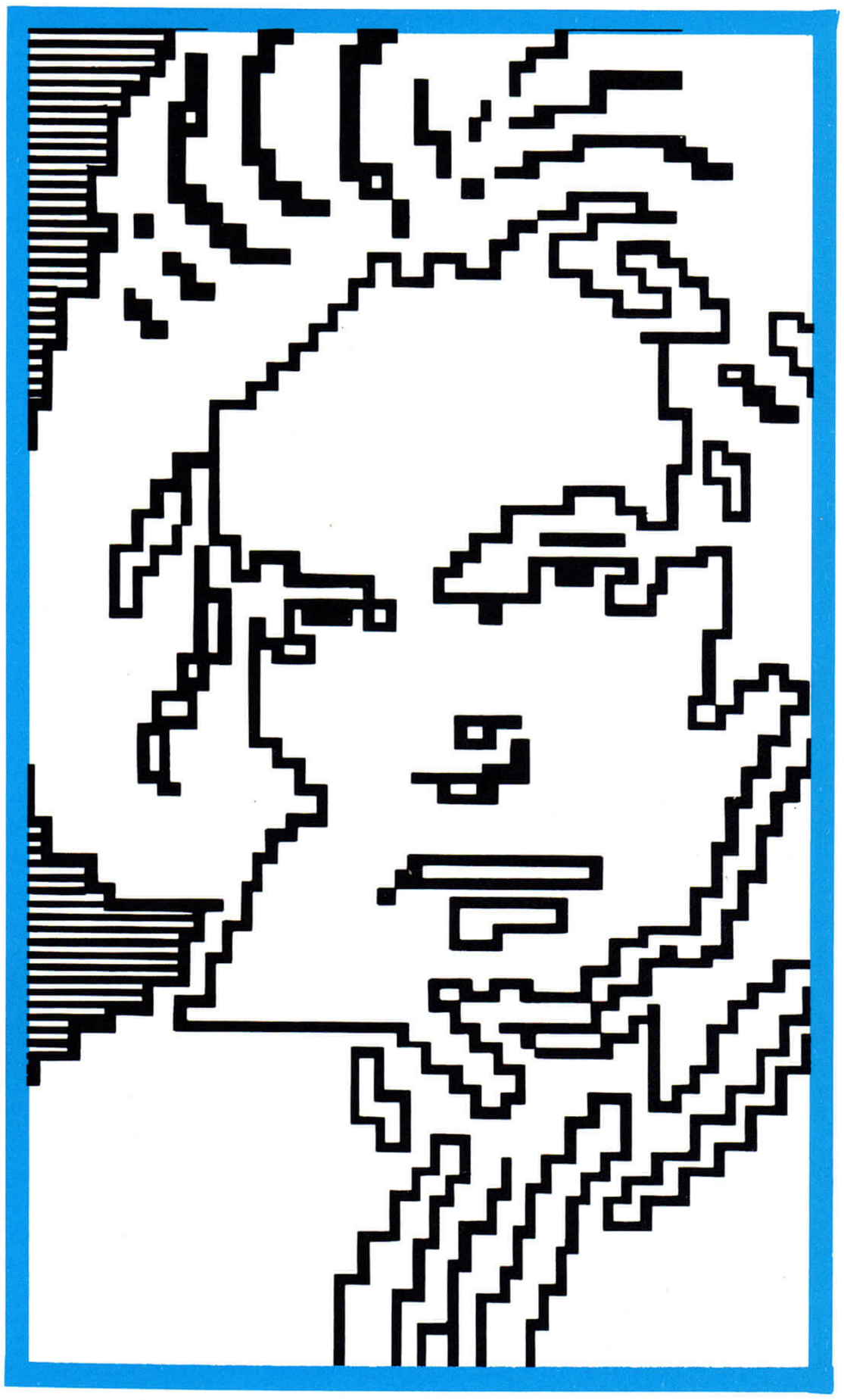
- Specifications of first and last measures to convert
- Conversion of MIDI note data only
- conversion of single track
- Optional Personal Composer file extensions with choice of output drive and path.

COMMANDS when converting **from Personal composer to Sequencer PLUS include**

- optional Personal Composer file extension
- choice of output drive and path

In their separate ways, Sequencer PLUS and Personal Composer make great things possible.

As a team- thanks to CONVERSION PLUS- they leave everything else in the dust!



VOYETRA

...the sound approach to technology

PATCH MASTER PLUS™

Network Organizer/ Universal Librarian/ MIDI Data Analyzer

Organize
Economize
and Analyze
with this powerful,
all-in-one program
that unleashes the power of
your MIDI Network!

System Requirements:

- IBM PC/XT/AT or Compatible with minimum 256K RAM
- DOS 2.0 or Higher
- OP-4000/1 or MPU-401 MIDI interface
- Any type of PC monitor (EGA Recommended)
- Patch Master setups are compatible with and may be transmitted directly from Sequencer Plus Mark III
- Compatible with Software Carousel

Includes:

- Free Membership to P.A.N.

Retail Price

$195.00

Specifications are subject to change without notice

As MIDI networks become more powerful, they also get larger and more tedious to deal with.

That means more sounds to load, programs to set, cables to fiddle with and more time spent debugging when things aren't going quite right.

But power you can't easily tap is worth precisely nothing. And that's where **Patch Master PLUS** steps in.

Think of Patch Master PLUS as your **MIDI roadie-** a single program that *lets your PC make sure that every connected instrument, drum machine or other MIDI device is loaded with exactly the programs you need as well as letting you "listen in" to conversations between MIDI instruments.*

Never before has one program offered musicians so much MIDI system control.

With Patch Master PLUS you can...

- *organize* all of the sounds in your setup,
- *economize* by not having to invest in many different RAM cartridges, cassettes or dedicated *(and expensive!)* librarian programs for each instrument you own,
- *analyze* what's going on by seeing MIDI data as it passes through the network.

Patch Master's **Universal Librarian** harnesses your computer's ability to store huge amounts of information. With it, you can *replace many individual librarian programs in a much more efficient manner* by providing a consistent user interface and integrated way to control everything from one set of screens.

For instance...

Without Patch Master's **Universal Librarian** features, sequencer programs can only transmit *program changes* to MIDI instruments. If the program you want is not already in your synth, you have to stop what you're doing and load it in with a RAM cartridge or cassette.

With Patch Master PLUS, a single keystroke sets up your entire system by instantly downloading *programs, drum patterns, effects settings,* and *MIDI MODES* for each instrument. You can even *download SMPTE beat maps into a Roland SBX-80* SMPTE to MIDI converter to initialize your sequencer tempo changes and sync signals.

Patch Master PLUS' **MIDI Terminal** lets you *communicate with MIDI instruments in their own language.* This is indispensible for studio owners, MIDI musicians and software developers- virtually anyone who uses MIDI in their profession. *Educators will love it too because it shows what's going on in the MIDI domain while you hear and see the results on the receiving and transmitting instruments.*

Patch Master's MIDI Terminal is *very* smart.

It recognizes all valid MIDI information and *can't be confused* by such things as real-time bytes within other messages. Not only that, it will *alert you whenever it detects something illegal,* making it a valuable tool for tracking down mystery MIDI problems.

Without Patch Master's **MIDI Terminal** features, MIDI problems can turn into time consuming head-scratching sessions that waste valuable time.

With MIDI Terminal, you can analyze your MIDI network in detail and see just what your instruments are sending and receiving so that problems are tracked down much faster and more efficiently.

And, Patch Master PLUS is easy to use!

It includes four levels of on-line help (basic, command specific, comprehensive and instrument specific)...*virtually a manual on disk,* with detailed instrument specific help available for every MIDI device supported by the program.

Like all VOYETRA programs, Patch Master PLUS uses a simple, powerful interface of screens, pop up windows and clear, consistent commands with standardized control keys and single-letter mnemonic keystrokes.

Patch Master PLUS... the unique software package that provides speed, convenience, savings, and the freedom to spend your time making music, not sweating the small details!

VOYETRA

...the sound approach to technolog

SPECS

Universal Librarian

- **Design MIDI network setups**

  Each setup can include up to 32 instruments, each with its own choice of MIDI channel, POLY or MONO mode, bank and program number (0-127). Literally thousands of setups can be stored to disk for later recall and transmission.

- **Give programs an identifying name**

  No more wondering what "program 27" sounds like. No more searching for that favorite "string" program. Use your computer to assign each sound a name of up to 32 characters long.

- **Audition sounds from your computer keyboard**

  With most instruments you can step through an entire bank of sounds right from your computer keyboard! Imagine how much time you'd save when searching for that one "particular" sound among the hundreds in your library

- **Rearrange and group programs as needed**

  Put your program sounds back into your synth in any order you want using easy swap, copy and move commands. Display is switchable between linked banks (i.e. PATTERN data and PERFORMANCE data in YAMAHA RX-11).

- **Use your computer disk drives to archive setups and banks of sounds.**

  See what your "sound inventory" consists of by using your computer's disk logging power. Patch Master PLUS fully supports hard disks and directories. Files are displayed in alphabetical order with current path and file extension. Up to 28 files per screen.

- **Fully compatible with Sp3's librarian page.**

  Use Patch Master PLUS to upload instrument sounds into your computer and arrange them into banks. Then use this information in Sp3's librarian page to download programs to your instruments at the beginning of every song.

MIDI Terminal

- **Control MIDI Network Activity**

  You can "talk" to your MIDI instruments from your computer keyboard by transmitting strings of MIDI commands which you can define to do anything from playing a note to initiating a patch dump.

- **Monitor MIDI Network Activity**

  You can "listen" to conversations between your MIDI instruments by viewing incoming messages in one of three different display formats. DISPLAY MODE menu option toggles through the different formats. RESET command clears current screen display. CLOCK-EN command filters out real time messages (F8 FE) when they're getting in the way. PANIC command sends and ALL -NOTES-OFF command to every channel.

- **MONITOR each MIDI channel for the occurrence of specific messages**

  Grid display lets you easily monitor the network for occurrences of specific messages in each of the 16 MIDI channels on a network.

- **Easily decipher MIDI Commands**

  Formatted trace display lets you see MIDI messages on separate lines, each with an english heading describing the type of message received.

- **Check large amounts of MIDI information at a glance**

  Bulk Hex Display lets you see a screen full of MIDI data and commands for easy string searches.

- **Check the History of MIDI activity on your network**

  HISTORY MODE stores up to 10,000 MIDI bytes so that you can see what happened on the network when you can't watch the screen.

- **View MIDI TIME CODE from across the room**

  TIME-CODE Screen displays MIDI time code values in huge letters right on your computer screen so that it can be easily monitored during a session.

General Features

- **Help Files**

  4 levels of on-line intelligent help, including Basic, command-specific, comprehensive and instrument-specific.

- **Commands**

  All commands arranged as single mnemonic keystrokes; all other controls are standardized and consistent throughout the program.

- **Screens**

  Include SETUP, BANK ARRANGER, FILES, GRID MODE, TIMECODE DISPLAY, FORMATTED TRACE MODE, BULK HEX MODE and OUTPUT STRINGS.

- **Windows**

  Include INSTRUMENT LIST, BANKS, AVAILABLE PROGRAMS, OPTIONS and CONFIGURATION.

  All windows pop up with a single keystroke.

- **Configuration**

  Allows user to establish standard screen layout and disk access. Configuration settings can be saved onto or loaded from disk and set up automatically when program is run.

  Commands include HELP LEVEL, FILES PATH and HELP FILES PATH.

- **Options**

  Allows user to set parameters for the program's "working environment".

  Commands include TRIGGER NOTE: ON/OFF, PITCH, DURATION and VELOCITY.

  PROGRAM CHANGES ON/OFF and AUTOMATIC AUDITION ON/OFF.

  Special OMNI-OFF command for coping with some kinds of MIDI network data errors.

PATCH MASTER PLUS

INSTRUMENTS CURRENTLY SUPPORTED INCLUDE:

AKG
ADR 68K
ART
DR1
IEQ
Casio
CZ-1/ CZ-101
CZ-1000/-3000/-5000
Digital Music
Mx-8
Ensoniq
ESQ-1/ESQ-1M
Greymatter E!
Iota Midi Fader
J.L. Cooper
1620
Lexicon
PCM-70
LinnDrum
(w/ JLC retrofit)
Korg
Poly-800 (w MDK)
Poly 800-II
DW-6000
DW-8000/EX-8000
DVP-1
DS-8
Sequential
Prophet 5
Prophet 600
Six Track
Prophet VS
Oberheim
Xpander
OB-8
Matrix-6/ -6R
Matrix-12
DMX/ DX (w Retrofit)
Roland
MKS-80 Super Jupiter
MKS-70 Super JX
MKS-50
SBX-80
JX-8P
JX-10
Alpha Juno -1
Alpha Juno -2
D-50
Voyetra 8
Yamaha
RX-11/ RX-21/RX5
DX-7/ DX7-II/ DX7-IIFD
DX-100/ DX-21/DX-27
TX-7/TX-81Z/ TX-802
TX-216/ TX-816
FB-01/ MEP-4 /SPX-90

We're continually adding more instruments to the list so please check with us if your instrument is not listed.

Voyetra Technologies,

426 Mt. Pleasant Avenue, Mamaroneck, NY 10543.
914-698-3377

Specifications are subject to change without notice

```
Setup
Channel  1   Instrument ----------------
Setup ALL                                   Free memory 314472

Instrument        Chan   INSTRUMENT LIST     Program
OBER MATRIX-6       1        (more ↑)        PA ANO 5
OBER OB8            1    OBER MATRIX-6       ------------------------------
ROLAND MKS-80       1    OBER OB8            TONES/PATCHES   0
PAUSE               1    PAUSE               ------------------------------
SCI PROPHET 5       1    ROLAND MKS-80       ------------------------------
cdfsdfdf            1    ROLAND SBX-80       ------------------------------
VOYETRA 8           1    SCI PROPHET 5       PROGRAM  13
                    1    USER DEFINED        ------------------------------
ROLAND SBX-80       1    VOYETRA 8           ------------------------------
YAMAHA DX7/TX       1    YAM DX100/27/21     ------------------------------
YAMAHA RX11         1    YAMAHA DX7/TX       ------------------------------
YAMAHA RXZ1         1    YAMAHA RX11         ------------------------------
YAMAHA TX7/TX16     1        (more ↓)        ------------------------------
                    1                        ------------------------------
                                  Inst Menu
Use ↓↑, PgUp, PgDn, Home, End to select Instrument. ↔ move window. F1 Help
Press ↵ to enter in Setup   ESC - return to Setup Menu without change
```

INSTRUMENT LIST WINDOW

For assigning an instrument (from those available) to a line in the SETUP WINDOW. Pressing "I" pops up a list of available instruments which lets you select the one you wish to use. Special PAUSE and USER DEFINED instruments are available to cope with MIDI compatibility problems in your network.
All screens display current MIDI channel, current instrument, current setup name and the sending of MONO MODE messages.

```
Bank Arranger
Channel  1   Instrument YAMAHA TX7/TX16    Bank ERA
VOICE DATA  31                             Free memory 314472

BANK: ERA        VOICE DATA        | BANK: NEW_BANK  VOICE DATA
 19 DBL.HARP B                     |   1 E.ORGAN  B
 20 E.GUITAR B                     |   2 POWERSYN B
 21 E.BASS  B                      |   3 FATSYNTH B
 22 HARPSI.  B                     |   4 SPANISHGTR
 23 VIBES    B                     |   5 ELEC.PNO B
 24 BRASSHORNS                     |   6 HI STRINGS
 25 FM PIANO B                     |   7 ACC. PIANO
 26 ORCHESTRA                      |   8 TRUMPET  B
 27 BELL VOICE                     |   9 FEM. CHOIR
 28 TUBERISE B                     |  10 CELLOS   B
 29 VIOLINS  B                     |  11 A.MALLET B
 30 KARIMBA  B                     |  12 E.P.& BR B
 31 HARMOSYNTH                     |  13 PIPES    B
 32 TOUCH TMPT                     |  14 SYN-RISE B
                          Bank Arranger Menu
Receive  Transmit  Delete  Block-select  Audition  Name  Swap  Copy  Erase
Window-size  OPTIONS  FILES

↔ ↑↓ select bank/record   SPACE BAR - Play Note   ESC - return to Setup
Press 1st letter of item to select MENU or Command.  '?' - menu command Help
```

ARRANGER SCREEN

The arranger screen is where program banks are created. Banks may be uploaded from synths, or loaded from disk. Two different banks can be loaded at once so that programs can be copied or swapped between them. Individual programs can be given names of up to 32 characters. The completed bank can be transmitted to a synth or stored on disk as a bank file, using a FILES SCREEN that is similar to that on Sp3.

```
Bank Arranger
Channel  1   Instrument YAMAHA TX7/TX16
Setup ALL
                          OPTIONS
TRIGGER NOTE                ON      Program CHANGES        ON
Trigger note PITCH          48      A
                                          CONFIGURATION
Trigger note DURATION     1000mS    Basic HELP          FULL HELP
Trigger note VELOCITY       127     FILES Path          \lib\bnk\
                                    HELP File Path      -----
 11 A.MALLET B
 12 E.P.& BR B
 13 PIPES    B
 14 SYN-RISE B
                          Config Menu
Basic  Files-path  Help-path  Save  Upload

F1 - Config Help      'Esc'- goto previous Menu      '?' - menu command Help
Use 'S'ave to store current configuration on disk.   (loading is automatic).
```

OPTIONS WINDOW

For setting parameters of Patch Master's "working environment". TRIGGER-NOTE command lets you use the spacebar to send a note command of selectable pitch, velocity and duration to the synth. AUTOMATIC AUDITION triggers the instrument's scratch buffer whenever a new program is selected so it can be heard. OMNI-OFF command for coping with some kinds of MIDI network data errors.

CONFIGURATION WINDOW

For establishing standard screen layout and disk access. Commands include help level, files path, and help files path. CONFIGURATION settings can be saved onto or loaded from disk, and set to come up automatically when Patch Master is run.

```
Setup
Channel  1   Instrument YAMAHA TX81Z
Setup TONY

Instrument        Chan  Mode  Bank     P   AVAILABLE PROGRAMS
OBER M1Z VOICES     1   POLY  --------     (more ↑)
OBER XPANDER        1   POLY  FACTOBXP   15 BreathOrgn
YAMAHA TX81Z        1   POLY  PREST81Z   16 NylonGuit
ROLAND JX-8P        1   POLY  FACTJX8P   17 Guitar #1
ROLAND MKS-80       1   POLY  NEW_BANK   18 Funky Pick
ROLAND SBX-80       1   POLY  --------   19 ElecBass 1
LEXICON PCM-70      1   POLY  PCM70      20 SynFunkBas
SCI PROPHET 5       1   POLY  --------   21 LatelyBass
SCI PROPHET 600     1   POLY  FACTP600   22 Sync Lead
KORG DW/EX8000      1   POLY  COOL       23 Jazz Flute
YAMAHA TX7/TX16     1   POLY  STRINGS    24 Java Jive
VOYETRA 8           1   POLY  NEWEST     25 BaadBreath
YAM DX100/27/21     1   POLY  --------   26 VocalNuts
YAMAHA DX7-II       1   POLY  --------   27 WaterGlass
YAMAHA DX7/TX       1   POLY  --------      (more ↓)
YAMAHA FB-01        1   POLY  FB013BNK
                          Program Name Menu
Clear
```

SETUP WINDOW

Lets you assign up to 32 MIDI instruments or devices per setup, each with its own channel, MIDI mode and program number.
A Setup is transmitted to your MIDI network simply by pressing "T" from the setup screen. Setups can be named and saved to disk.

AVAILABLE PROGRAMS WINDOW

For assigning a specific program (from those in selected bank) to a line in the Setup. CLEAR COMMAND for erasing choice.

Grid Display (MIDI Terminal)

Useful for watching a busy stream of MIDI data, like the output of a sequencer. Rows represent different types of MIDI messages while columns represent the 16 MIDI Channels. The values in each grid location are displayed in decimal format.

For three-byte messages, there is an option of seeing either of the two data bytes by using the up/dn arrow keys (to select the message row) followed by the +/-keys (to select the data you'd like to see).

Real time messages are shown by a MIDI clock counter indicating the current song position. Messages that are not channel-specific are displayed at the bottom of the screen either by showing the value of the data byte or an "X" in the case of single-byte messages.

Formatted Trace Display(MIDI Terminal)

Displays MIDI Messages on separate lines (each with an English description) whenever the current status byte changes. A status byte in brackets (eg. [90]) means that it was implied by running status rather than received. "Within last message" means a real time byte was received in the middle of another message.

MIDI Output string Generation (Not Shown)

Up to 10 strings of MIDI commands/data can be defined and transmitted. To define a MIDI output string, hold down the CTL key and press one of the function keys. The current values of the ten strings will be displayed. You can edit these or make up a new string to correspond to the function key selected. The string is transmitted by holding down SHIFT while pressing the corresponding function key.

Bulk Hex Display(MIDI Terminal)

To display a maximum amount of MIDI data on the screen at once, a bulk hex data display is also provided. Here, status bytes are highlighted while data bytes are not. This mode will also decode ASCII that is transmitted over MIDI with the protocol:

F0 7D 21 xx F7, where xx is the ASCII code.

History MODE

At any time, the previous 10,000 bytes received are stored in memory to provide a history of the MIDI information read by the program. To view, press "H" and all further incoming bytes will be ignored while Patch Master displays it's history memory's contents. The Pg Up/Pg Dn keys allow you to scroll through the data and examine it in any of the three display modes.

MIDI TIMECODE Screen (MIDI Terminal)

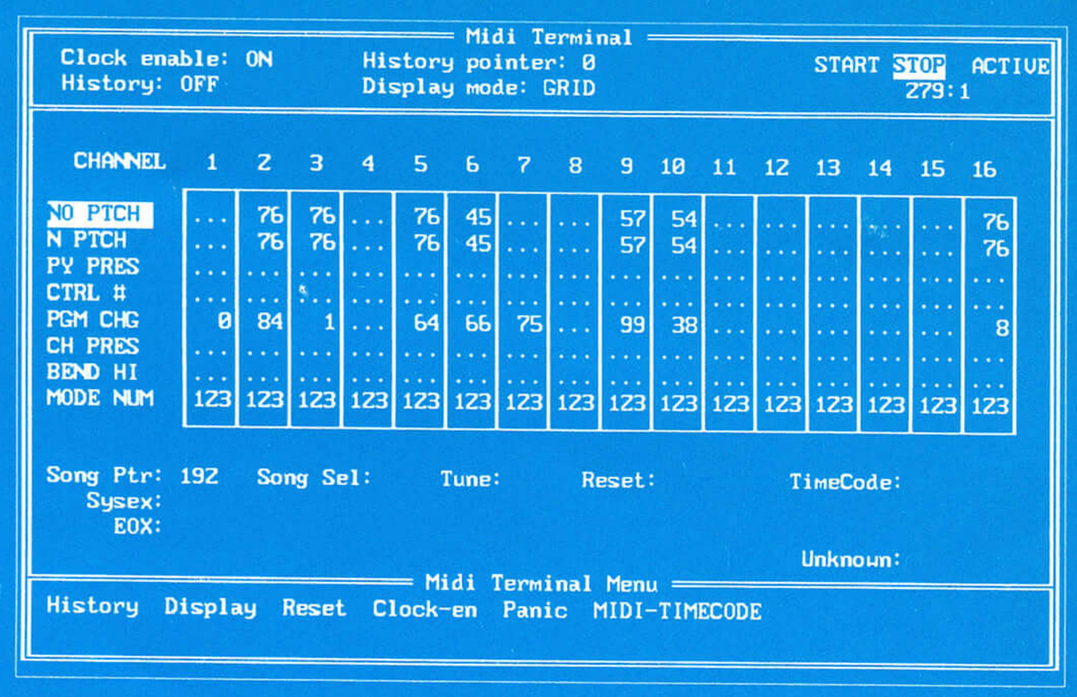
Patch Master PLUS includes a MIDI Timecode reader that selectively listens for F1 messages, assembles them into frames and displays the timecode in large numbers on the computer screen.

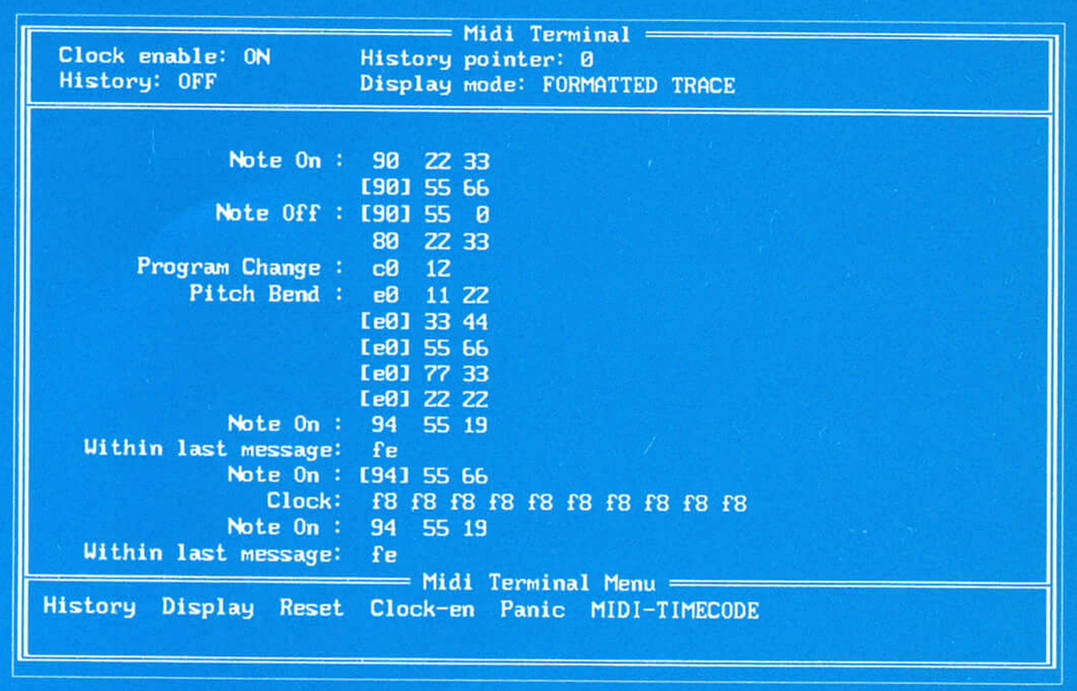
The Timecode Screen offers two options:

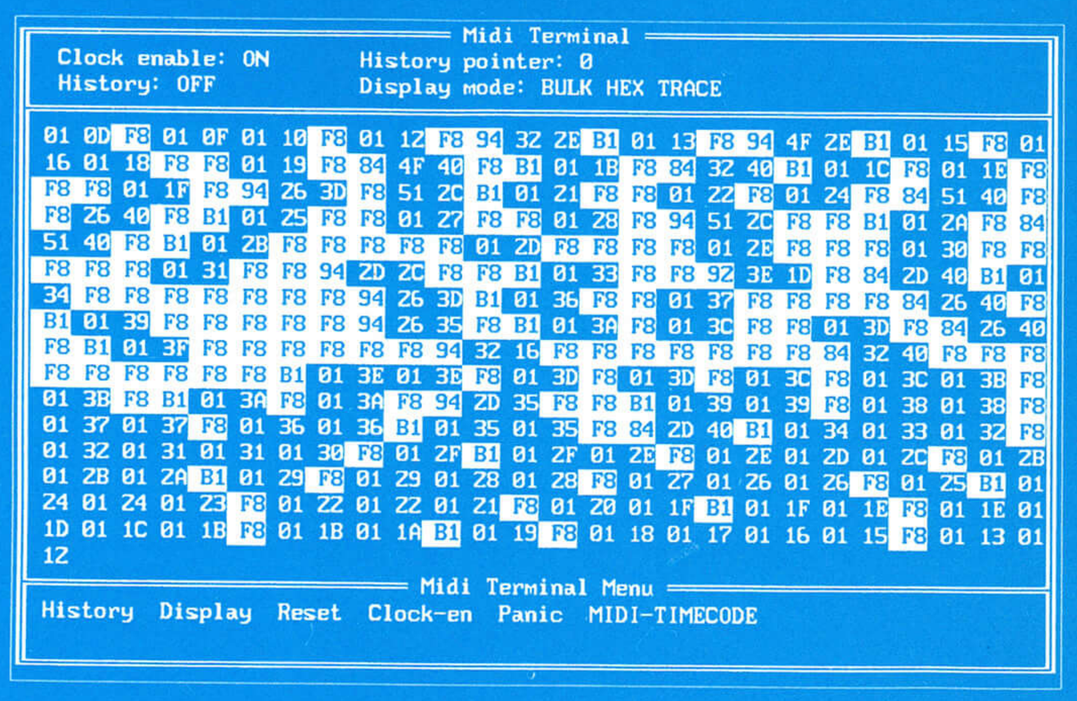
Frame: toggles the frame display on or off.

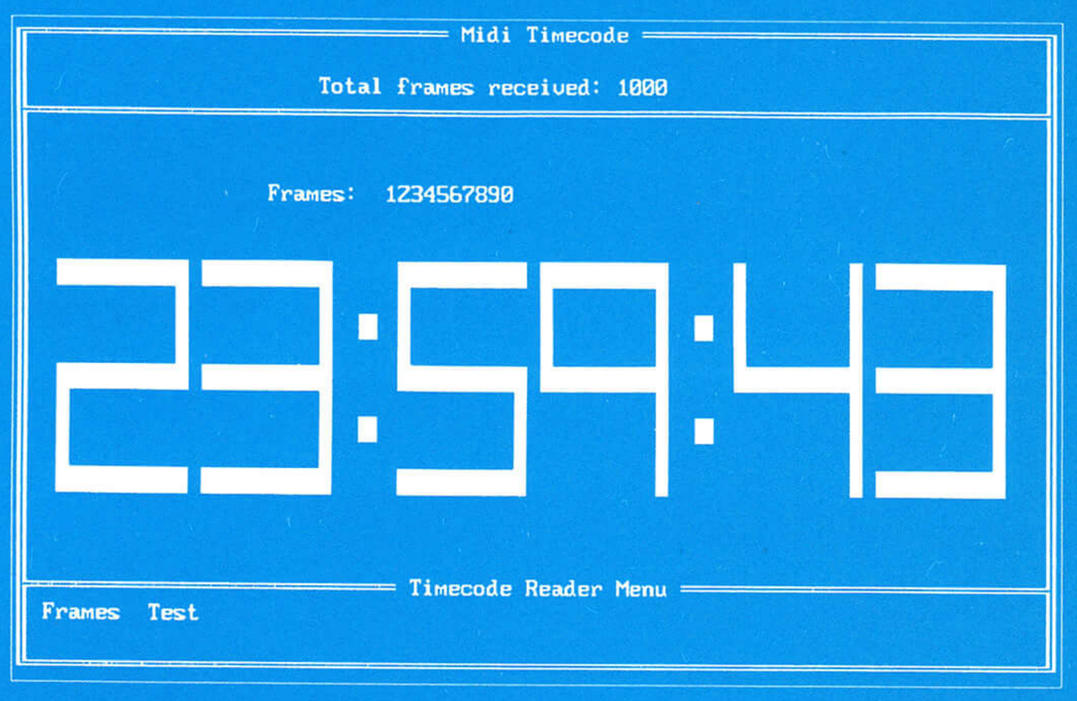
Test: generates a test time code for checking external readers.

Timecode and other events are also saved in the history buffer.









SIDEMAN DTX™

Voice Editor Randomizer and Librarian for the YAMAHA DX/TX/DX7-11 FM Synthesizers

Provides extensive program manipulation/ voice editing functions and generates new sounds automatically

System Requirements

- IBM PC/XT/AT or compatible with at least 340K RAM
- DOS 2.0 or Higher
- Any type of PC monitor (EGA Recommended)
- OP-4000/1 or MPU-401 MIDI interface
- Generates Bank and program files that are compatible with Patch Master and Sp3
- Compatible with Software Carousel

Includes

- Library of 2000 DX/TX/DX7-II programs
- Free membership to P.A.N.

Retail Price

$179.00

Specifications are subject to change without notice

SIDEMAN DTX is the *most powerful editor/librarian program available for Yamaha's series of six-operator, FM synthesizers* (DX7, DX7-II, TX7, TX216, TX816).

In addition, SIDEMAN DTX supports DX/TX and DX7-II supplemental voice data (function data) by automatically converting between instrument formats so that one set of voice files can be used with all of these FM instruments.

Voice Randomizer:

Besides allowing complete editing of every parameter in a DX/TX and DX7-II voice, SIDEMAN DTX also provides a "*random voice generator*" for *automatically creating new sounds from an existing program.* The **Voice Randomizer** can be used to randomly change selected voice parameters and create new variations of the original. When SIDEMAN's randomizer creates a sound you want to keep, it can be saved at the touch of a key. . . *it's an exciting way of conveniently expanding your voice library!*

Editor/Librarian:

Programs are identified with specific names and are grouped into BANKS of 32 which are also identified with names. You can swap programs between banks, edit voice parameters in a program, and more!

SIDEMAN DTX operates in three main modes:

- **Librarian mode:**
  Allows sending and receiving banks of programs as well as providing access to SIDEMAN's extensive utilities.
- **Bank mode:**
  Used for modifying the contents of program banks and auditioning sounds.
- **Voice editing mode:**
  Provides a full-screen editor to modify individual voice and function parameters while allowing you to instantly hear the results by pressing the spacebar! You can also easily adjust the master tuning of TX modules and the DX7-II.

DX7-II Support:

The DX7-II includes all of the functions of the DX/TX series as well as additional voice parameters and a separate performance memory made up of 32 performance programs.

SIDEMAN DTX supports these DX7-II enhancements in it's Librarian, Bank and voice editing functions *eliminating the need for expensive DX7-II RAM cartridges just to access performance data.*

Program Library:

SIDEMAN DTX also *includes an extensive library of 2000 DX/TX/DX7-II programs*! All programs and banks are *compatible with Patch Master, Sequencer Plus MkIII and Software Carousel* allowing you to create a fully integrated, computer-controlled MIDI system comprised of a powerful Sequencer, MIDI analyzer, Universal Librarian and DX/TX/DX-7-II editor, *each instantly accessible with one keystroke!*

SIDEMAN DTX will also function without a MIDI interface so that you can work on your programs even while you're away from your studio!

And, like all VOYETRA software, SIDEMAN DTX is **easy to use**. It includes thorough, context-sensitive help files, uses the standard IBM cursor keys (no special key strokes to learn), utilizes an intuitive window- based user interface of menus with single keystroke commands and can be configured for user preferences in screen colors, files extensions, and startup mode. A full complement of DOS functions are also available without ever having to exit the program.

Since it's **not memory resident**, SIDEMAN DTX *does not use up memory needed by sequencers to store notes and won't conflict with any other program in your system.*

Voice Editor, librarian, automatic program generator and 2000 useful programs, all in one easy to use package. . .

If you depend on the DX/TX series synthesizers, SIDEMAN DTX will quickly become an indispensible member of your FM ensemble!

VOYETRA

...the sound approach to technolog

LIBRARIAN SCREEN

LIBRARIAN mode lets you send, receive and store banks of programs. The left part of the display alphabetically lists the banks in the library. To see the programs in a bank, highlight it and select VIEW to activate a window listing all of the programs in that bank. To upload/download a bank of programs to your synth, highlight the bank name and select RECV or XMIT. The number of voice bank files you can access is limited only by the size of your disk!

You can also access useful utilities to create disk labels, change file extensions, rename files, change current subdirectory, select MIDI channel, display the status of your MIDI interface and more!

BANK EDIT SCREEN

Program Banks are listed alphabetically on the left side of the screen. To create a new bank of programs, load a bank into the SOURCE BANK window which lists all of its programs. Any of these "source" programs can be moved to a location in the TARGET BANK window. When you're done loading the "target" programs, the "target Bank" can be named and saved.

You can also load a target bank and swap, delete or move programs between it and the source bank. An entire bank of programs can be cleared with the CLEAR BANK command. You can hear a program by highlighting the name and using the Preview feature which uses a TRIGGER NOTE that can be varied in, pitch, velocity, and duration.

VOICE EDIT SCREEN

To edit a program, highlight the name in the BANK EDITOR source or target windows and select VOICE EDIT to display the voice parameters. Any parameter can be edited when highlighted.

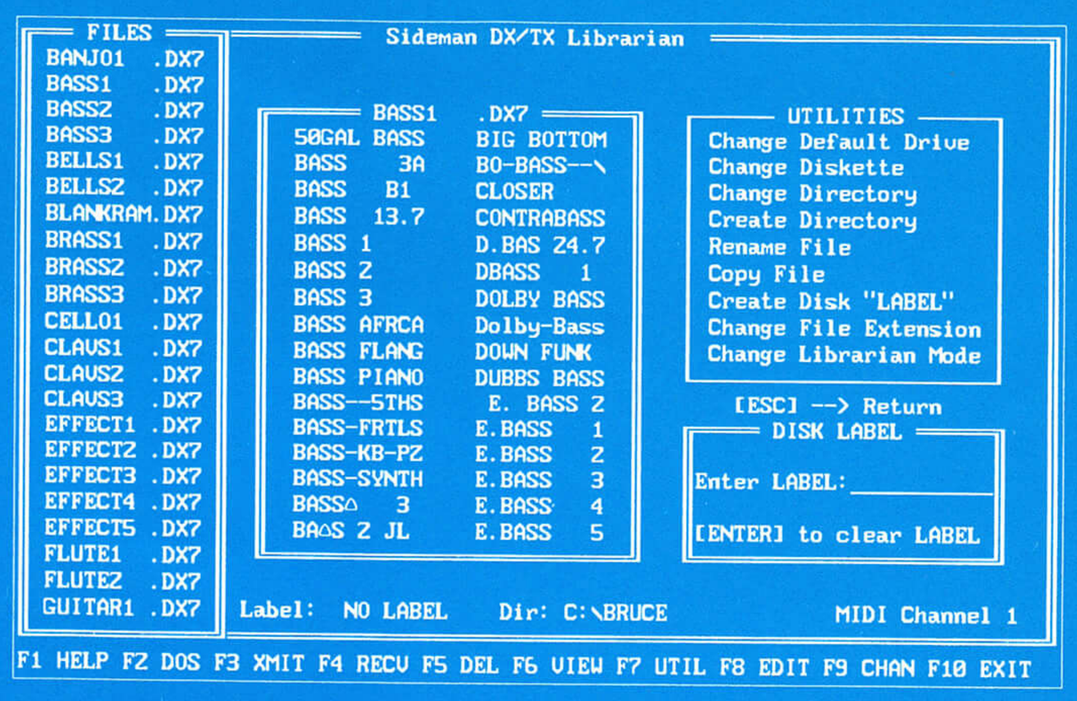
A VOICE RANDOMIZER feature lets you selectively randomize parameters to automatically vary the sound.

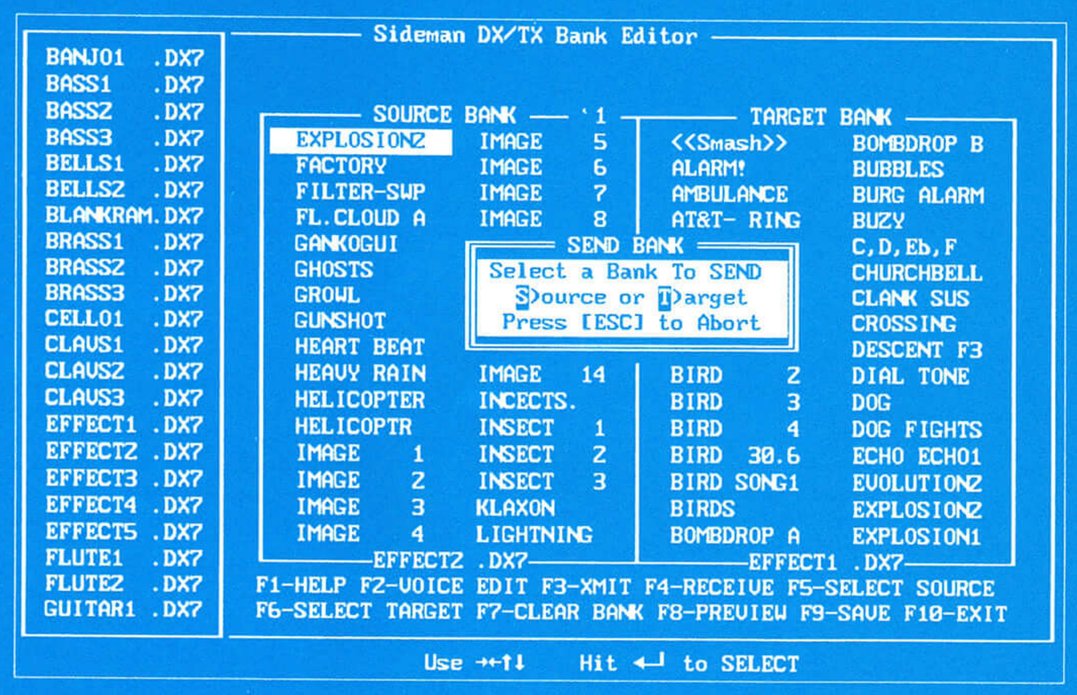
The VOICE EDITOR includes an EDIT COMPARE function that lets you toggle between the original sound and the edited version. Edit recall is also available from BANK EDIT mode, so that several variations of a single voice can be saved. This feature, combined with the VOICE RANDOMIZER, significantly speeds up the process of creating unique new sounds.

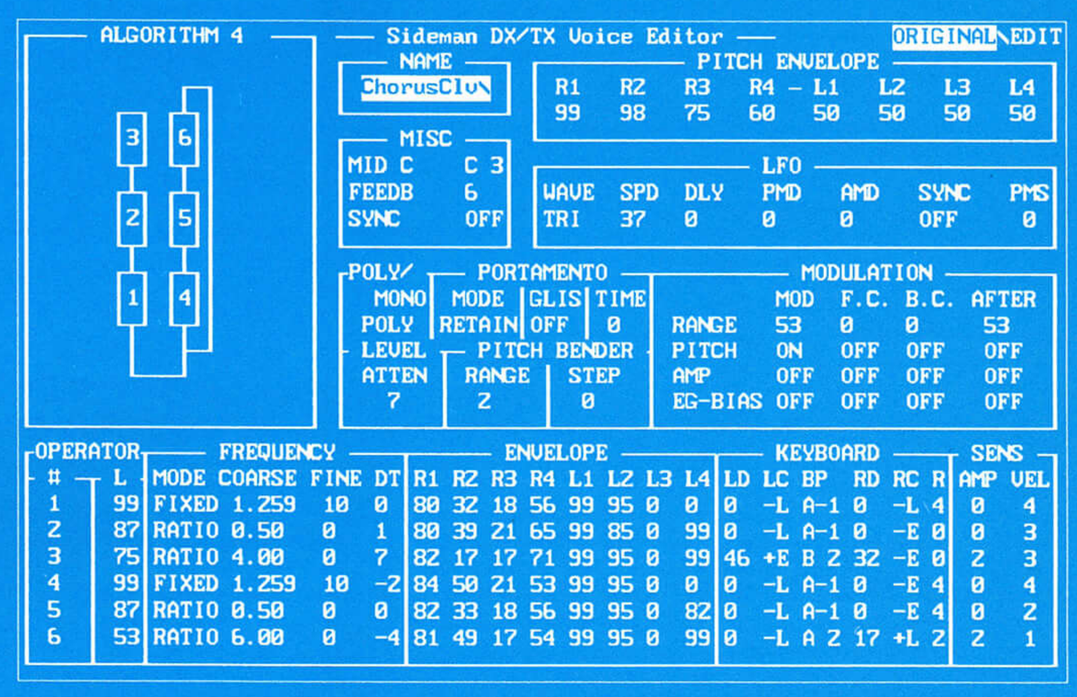
Voyetra Technologies,

426 Mt. Pleasant Avenue, Mamaroneck, NY 10543

914-698-3377







Sideman DTX

OP-4000
OP-4001

TM

Intelligent PC/MIDI Interfaces

Compact, cost-effective and MPU-401 compatible

System Requirements

- The OP-4000/1 (and MPU-401) require IRQ-2 on the host computer and will conflict with any peripheral cards using this device interrupt line.
- Metronome requires external amplification.

OP-4000/1 Include

- Sp3 Demo Disk
- Free membership to P.A.N.

Retail Prices

OP-4001. . . . $295.00
(includes card and CB-4001)
OP-4000. . . . $229.00
(Includes card and CB-4000)
CB-4001. . . . $95.00
(FSK/Clk interface box for upgrading OP-4000 to OP-4001)
CB-4000 . . . . $29.00
(interface box for use with EB-1 to add two additional MIDI outputs)
EB-1. . . . $29.00
(MIDI-out expansion bracket)
Technical reference manual . . $18.00

MADE IN U.S.A.

Specifications are subject to change without notice

The OP4000 and OP4001 are *intelligent MIDI interfaces* for the IBM PC/XT/AT that are **100% software compatible** with the industry standard Roland **MPU-401.**

The OP-4000/1 is actually a small computer on a "short slot" card that plugs into any PC/XT/AT expansion slot. Unlike "dumb" interfaces, which do nothing more than convert MIDI data into signals your PC can understand, the OP-4000/1 actually *handles all of the timing, sorting and buffering of MIDI data, freeing your PC/AT to run music programs at top speed and maximum capacity.*

FSK/CLOCK SYNC:

The OP-4000/1 use the same PC bus card, however, the OP-4001 comes with a CB-4001 interface box that includes FSK/Clock sync and conversion while the more economical OP-4000 is coupled with a CB-4000 interface box that *does not include FSK/CLK sync.*

The OP-4000 is perfect for systems that use MIDI sync and don't need the added expense of FSK and CLOCK sync support.

UP TO 3 MIDI OUTS:

Although the OP-4000/1 come with one MIDI output, you can easily add two more with a CB-4000 basic box and an EB-1 expansion bracket. The EB-1 will screw into any free slot opening in your computer and connects internally to the OP-4000/1 bus card.

In fact, you can start off with an OP-4000 and if you need the FSK features later on, you can simply replace the CB-4000 with a CB-4001. Then, add an EB-1 bracket and use your original CB-4000 to *provide two additional MIDI outs*!

OP-4000/1 FEATURES:

The OP4001 includes all of the important features of the MPU-401 *plus these improvements*:

- **Enhanced Sync.**
  Accepts and sends both FSK and 5v clock (instead of just FSK) for master and slave sync to a wider range of MIDI gear, including most drum machines.
- **Sync Conversion.**
  A selector switch on the CB-4001 connector box lets you select either FSK or clock as an input source and send either FSK or CLOCK as a sync source, ending incompatibility between CLOCK-driven and FSK-driven gear.
- **unpitched metronome.**
  No annoying "beeps" that can't be shut off. The OP-4000/1 metronome provides a pleasant, unpitched "click" so that no matter what key you're in, or timbre you're recording, it won't interfere.
- **more convenient installation.**
  No need for a special connecting cable or dangling boxes. Just plug the OP-4000/1 into any slot on your PC/XT/AT (including portables) and you're set.
- **Up to three MIDI outputs**
  Add a CB-4000 and EB-1 to the OP-4000/1 for a total of three MIDI outputs.

Smaller, less expensive, and more features.

Is there any reason to look elsewhere? The OP-4000/1 interfaces are your *total* solution for PC MIDI interfacing!

FEATURE COMPARISON

	OP-4001	OP-4000	MPU-401
5V CLOCK INPUT	Y	N	N
5V CLOCK OUTPUT	Y	N	N
FSK INPUT	Y	N	Y
FSK OUTPUT	Y	N	Y
FSK to CLK CONV	Y	N	N
CLK to FSK CONV	Y	N	N
Unpitched Metronome	Y	Y	N
Roland Sync Out	N	N	Y
Compact Design	Y	Y	N
MIDI Outs (normal)	1	1	2
MIDI Outs (expanded)	3	3	N/A

VOYETRA

...the sound approach to technology

Want to know more?

Here are some accessories that can help you learn more about our products.

OP-4001 Technical Reference Manual

A comprehensive guide to the technical aspects of the MPU-401 and OP-4001 for programmers.

Includes interface protocol descriptions, programming examples, hardware description and troubleshooting tips.

Section I is written by VOYETRA Technologies for the OP-4001 while Section II is a full reprint of the Roland MPU-401 technical manual.

A must for serious PC-MIDI programmers.

150pp.

$18.00

Sequencer Plus Mark III Demo Disk

This version of Sp3 will record and playback up to 1000 notes but *will not load or save song files.*

It includes all of the many other extensive capabilities of Sp3 so you can see how the Sequencer Plus series can revolutionize your personal approach to making music.

You **DON'T NEED a Roland MPU-401 or OP-4000/1 interface** in order to run the demo disk! However, you will need one to actually record and playback songs. Without an interface, you can only examine the Sp3 screens and help files.

$10.00

NOTE: This demo disk is included with the OP-4000/1

"The Complete Guide to MIDI Software"

by Howard Massey and the staff at PASS

The most complete reference ever written for "MIDI software shoppers".

Features fact sheets and a step-by-step guided tour through 60 of the most popular MIDI software packages for the IBM PC and compatibles, Apple Macintosh, Apple IIe, Atari 520ST/1040ST and Commodore 64/128 computers.

Includes over 200 photographs of the actual screens as well as a basic introduction to MIDI.

253pp

$19.95

"MIDI for Musicians"

by Craig Anderton

Clearly and thoroughly discusses the evolution towards Musical Instrument Digital Interface (MIDI), how MIDI solves musicians problems, the MIDI language and what it means in musical terms, how computers work in musical applications both live and in the studio, typical features of MIDI gear and their musical uses, set up and use of MIDI-based studios, MIDI accessories, musician-oriented software and much more.

104pp

$14.95

Compatibility...

As of MAY 1987, VOYETRA Products have been tested on these computers:

Advanced Logic Research
American
Amqute
ATI
AMQ
AMT
Apco
AST
AT&T 6300, 6300 Plus
Beltron
Bentley
Best III
BIOS
CEI
Cy-Clone
Cyborg
Cannon
Club AT
Columbia
Comex
Commodore PC10
COMPAQ Portable, Deskpro, Plus, Portable II
Comway
Corona
Cordata
Digital PC
Eagle PC2
Emulor
Epson Equity
Erricson PC
Faraday XT
47 Street Photo (MAXIM)
Fountain XT
IBM PC, XT, AT, Portable
Imagen
IMX
Kammerman PC, XT
Kaypro PC
Leading Edge Model D, M
Magitronic
Maxim PC, AT
MMI Systems 100
Musication
Multitech
Modern
Network
Olivetti
Panasonic Sr Partner, XT
PC Designs
PC's Ltd AT
President
Redstone
RPM
Smartek
Sperry IT, PC
Super XT
Super
Supra XT
Tandon
Tandy Model 1000, 1200
Tech PC XT, AT, Portable
Unitron
Uniq PC
West PC
Wyse PC
Xerox
Zenith 151, 158

VOYETRA TECHNOLOGIES
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