Roland®

V-Producer

for Mac OS

User Guide

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Overview

IMPORTANT NOTES

* Apple is a registered trademark of Apple Computer, Inc.

* Macintosh is a registered trademark of Apple Computer, Inc.

* MacOS is a trademark of Apple Computer, Inc.

* Zip is a trademark of Iomega Corporation.

* Iomega is a registered trademark of Iomega Corporation.

* OMS is a registered trademark of Opcode Systems, Inc. USA.

* All product names mentioned in this document are trademarks or registered trademarks of their respective owners.

Additional Precautions

* Unfortunately, it may be impossible to restore the contents of data that was stored on a zip disk, a hard disk, or in another MIDI device (e.g., a sequencer) once it has been lost. Roland Corporation assumes no liability concerning such loss of data.

* To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night).

* Unauthorized duplication, reproduction, hiring, and lending prohibited.

* Before you open the included CD-ROM, you must read the "license agreement." Opening the CD-ROM will be taken to mean your acceptance of the license agreement.

Handling Zip Disks

* Zip disks contain a plastic disk with a thin coating of magnetic storage medium. Microscopic precision is required to enable storage of large amounts of data on such a small surface area. To preserve their integrity, please observe the following when handling Zip disks:

  * Never touch the magnetic medium inside the disk.

  * Do not use or store Zip disks in dirty or dusty areas.

* Do not subject Zip disks to temperature extremes (e.g., direct sunlight in an enclosed vehicle). Recommended temperature range: -22 to 51° C (-7.6 to 123.8° F).

* Do not expose Zip disks to strong magnetic fields, such as those generated by loudspeakers.

* The identification label should be firmly affixed to the disk. Should the label come loose while the disk is in the drive, it may be difficult to remove the disk.

* Store all disks in a safe place to avoid damaging them, and to protect them from dust, dirt, and other hazards. By using a dirty or dust-ridden disk, you risk damaging the disk, as well as causing the disk drive to malfunction.

Handling CD-ROMs

* Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly. Keep your discs clean using a commercially available CD cleaner.

⚠ WARNING
* DO NOT play a CD-ROM disc on a conventional audio CD player. The resulting sound may be of a level that could cause permanent hearing loss. Damage to speakers or other system components may result.

Copyright

* Unauthorized recording, distribution, sale, lending, public performance, broadcasting, or the like, in whole or in part, of a work (musical composition, video, broadcast, public performance, or the like) whose copyright is held by a third party is prohibited by law.

* Do not use this software for purposes that could infringe on a copyright held by a third party. Roland assumes no responsibility whatsoever with regard to any infringements of third-party copyrights arising through your use of this software

Introduction

Thank you for purchasing V-Producer.
V-Producer is software that controls the VP-9000 from your computer, using the VP-9000's
VariPhrase capabilities to create a new type of audio based music production environment.
You can easily edit the tempo and pitch of audio material almost as easily as MIDI data, and
even perform visual realtime control of precisely focussed regions of a phrase sample.
Aspects of audio based music production that were difficult on previous systems can be
accomplished with breathtaking ease using V-Producer.

* *When reading this manual, please keep the VP-9000 manual at hand for reference.*

Features of V-Producer

Take full advantage of the VP-9000's functionality

The six ports and six voices of the VP-9000 can be fully utilized for music production. In
addition, up to six VP-9000 units can be controlled simultaneously, allowing you to control a
total of 36 tracks of VariPhrase audio.

Assemble songs easily

You can create songs intuitively, simply by dragging and dropping VP-9000 phrases to arrange
them on your computer screen. Without needing to perform complicated Time Stretch
operations, you can quickly and easily create multi-track performances that bring together
multiple audio sources.

Control phrases visually

A revolutionary "piano-roll display for audio" user interface allows you to visually specify the
pitch, time, and even formant of each track.

Graphic and easily understandable mixer and effects

In the graphic mixer window and effect window, you can use faders to control the volume
balance of each part, and easily specify routing and other settings for the internal effects
(reverb, chorus, multi-effect) of the VP-9000.

## Synchronize with other sequencer software

MIDI Clock or MTC (MIDI Time Code) can be used to synchronize with sequencer software
such as Cubase, Logic, Digital Performer, and Pro Tools.
In addition, songs created using V-Producer can be converted into SMF (Standard MIDI File),
and played back by another sequencer or a sequencer program.

"V-Trainer" VariPhrase encoding software is included

For example, this software allows large amounts of data from a sampling CD to be encoded
into VP-9000 data on your computer in a single operation. You can also use the spacious screen
of your computer to make detailed settings for each phrase, and to edit events.

* *In order to play VariPhrase data encoded by your computer, you will need to load the data via a Zip disk
into the VP-9000.*

In this document, the Macintosh command key (🍎 ⌘) is represented as [Command].

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Checking the contents of the package

The package contains the following items. Immediately after opening the package, check that no items are missing. If any items are missing, please contact the retailer from whom you purchased V-Producer.

❑ V-Producer CD-ROM

This CD-ROM contains V-Producer.

*   A serial number required in order to install V-Producer is affixed to the case of the CD-ROM, so be careful not to lose it.

🔺 **NOTE**   Before opening the CD-ROM, be sure to read the included license agreement.

🔺 **NOTE**   Do not touch the recording surface of the disc, or scratch it. Doing so may make the data unreadable. If the disc becomes soiled, use a commercially available CD cleaner to clean it.

❑ VP-9000 UPDATER & DEMO DISK

This is a Zip disk for updating your VP-9000. You must read the section "Using the Zip disk to update your VP-9000" (p. 8), and perform the update as directed.

❑ License agreement

The license agreement allows you to use this software which is copyrighted by Roland Corporation. You must read this before opening the CD-ROM.

■ V-Producer user guide

This is the document you are reading. It explains how to install V-Producer, basic operation, the menus and windows, and troubleshooting information.

*   In the interest of product improvement, the specifications and/or contents of this package are subject to change without prior notice.

Operating requirements for V-Producer

Before you install V-Producer, make sure that your computer meets the operating requirements. Also make sure that you have any other required equipment in addition to your computer.

Computer

● Operating system:

Mac OS 8.6 or later (This product is not supported under Mac OS X.)

● CPU/clock:

Power PC G3 / 233MHz or better

● Installed memory:

64 MB or more (96 MB or more is recommended)

● Hard disk

20 MB or more free space

● Display resolution/colors:

800 x 600 pixels or higher/3,200 colors or more

Other required hardware

● VP-9000

● MIDI interface

(One MIDI IN/OUT device is required for each VP-9000)

● Zip drive connected to your computer

(if using V-Trainer)

* *A Roland VP-9000 VariPhrase Processor is required in order to use V-Producer.*

* *Although Roland has tested numerous configurations, and has determined that on average, a computer system similar to that described above will permit normal operation of the V-Producer, Roland cannot guarantee that a given computer can be used satisfactorily with the V-Producer based solely on the fact that it meets the above requirements. This is because there are too many other variables that may influence the processing environment, including differences in motherboard design and the particular combination of other devices involved.*

* *If V-Producer is used in conjunction with other software, there may be other requirements in addition to those listed above.*

Contents

Preparations for using V-Producer

This chapter explains the preparations required in order to use V-Producer.

Using the Zip disk to update your VP-9000

In order to use V-Producer, you must update the system program of your VP-9000 to version 1.1 or higher.
The Zip disk included with V-Producer contains VP-9000 system version 1.1.

Checking the VP-9000 version

Before using V-Producer, please check the system version of your VP-9000.

1. **In the VP-9000's PERFORM (performance) screen, hold down the [SHIFT] button and press the [EXIT] button.**

The version number will appear in the VP-9000 display.

2. **Note the version number.**

Update procedure

NOTE If the system program of your VP-9000 is version 1.1 or higher, do not perform the following procedure. Since the Zip disk included with V-Producer contains system version 1.1, doing so could result in a "version downgrade" of your system.

1. **Turn off the power of the devices connected to the VP-9000 and VP-9000.**

2. **Insert the "VP-9000 UPDATER&DEMO DISK" Zip disk into the VP-9000's Zip drive.**

3. **While holding down the VP-9000's [PERFORM] button and [SAMPLING] button, turn on the power.**

4. **The update process will begin automatically.**

NOTE Never turn off the power while the update is in progress. The update cannot be performed correctly if the power is turned off during the process.

5. **The Zip disk will be ejected when the process is finished. Turn off the power of the VP-9000.**

The system program of the VP-9000 has now been updated to version 1.1.

Connect the VP-9000 to your computer

Communication between the VP-9000 and your computer is performed via MIDI cables. You must provide a MIDI interface so that your computer can transmit and receive MIDI data.

NOTE If you wish to use a MIDI keyboard or sound module, you will need a MIDI interface with two or more sets of MIDI IN and MIDI OUT connectors.

HINT If you connect a MIDI keyboard, you will be able to audition VP-9000 samples from your MIDI keyboard.

- Connect the VP-9000's MIDI OUT to the MIDI IN of your MIDI interface, and connect the VP-9000's MIDI IN to the MIDI OUT of your MIDI interface.
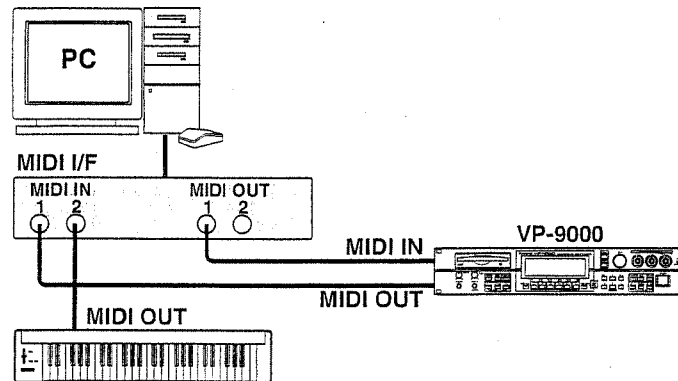
- V-Producer is able to control up to six VP-9000 units. If using multiple VP-9000 units, connect each VP-9000 to its own MIDI port.
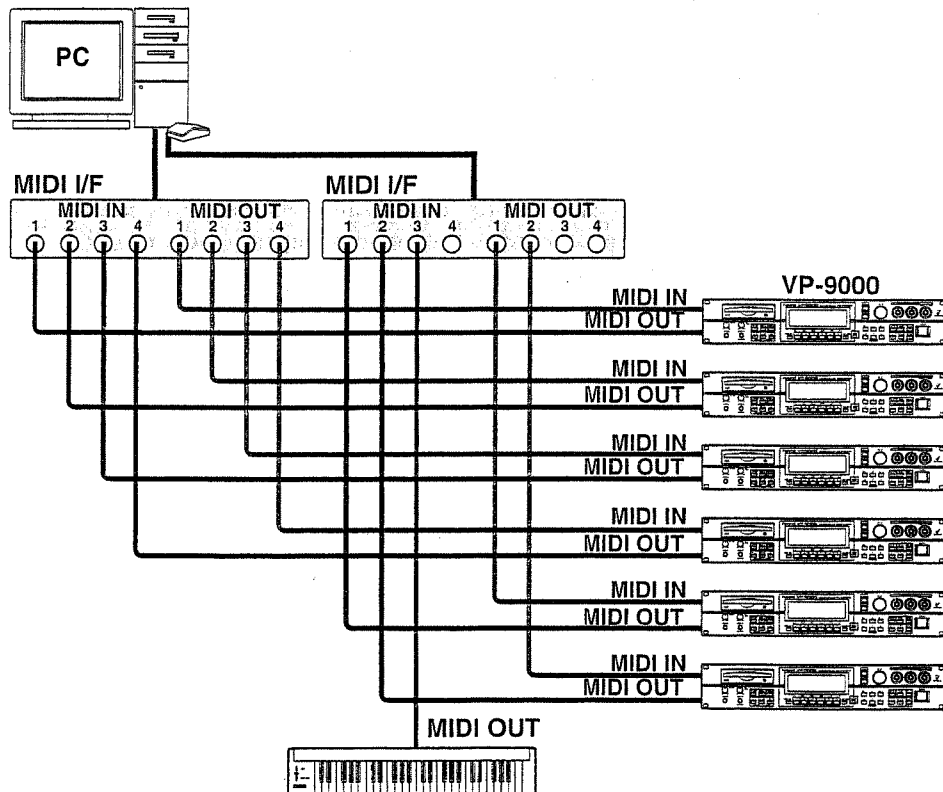
Installing V-Producer

Caution before installation

In order for V-Producer to operate correctly, you must make the following settings in Mac OS.

1. **From the Apple Menu, open Control Panels.**

2. **In "Memory", turn "Virtual Memory" to "off."**

   MEMO If "Virtual memory" is on, the performance of **V-Trainer** will be diminished.
   V-Producer will function regardless of whether "Virtual memory" is on or off.

3. **In "Energy Saver", set "Put the system to sleep whenever it's inactive for" to "Never."**

4. **In "Monitors" (or "Monitor & Sound"), set Color Depth to "Thousands (of colors)" or higher.**

5. **If you have virus-checking or similar programs installed, disable them using "Extensions Manager".**

6. **Restart your Macintosh.**

Installing V-Producer

1. **Quit all software that you may have running.**

2. **In the [English] folder of the CD-ROM, double-click [V-Producer Installer].**

3. **When the window appears, specify the desired installation location in [Install Location], and click [Install].**

4. **When a dialog box requesting you to enter the serial number appears, enter the number affixed to the back of the CD-ROM case.**

5. **Perform the installation according to the on-screen directions. When installation is completed, a message of "Installation was successful" will appear. Click [Quit].**

NOTE At certain monitor resolutions and color depths, V-Producer needs to use a larger amount of memory. In such cases, you will see the error message "Memory is getting full..." when V-Producer starts up, and it will be impossible to load or edit files. If this occurs, click on "V-Producer" in the Finder to select it, and select the Finder menu item [File]-[Get Info]-[Memory] to increase the Preferred Size of memory for V-Producer.

Installing OMS

OMS (Open Music System) is required in order to use V-Producer. OMS is a MIDI driver that functions as a bridge to convey data between V-Producer, your MIDI interface, and MIDI devices such as the VP-9000. OMS uses an application named OMS Setup to create a document named **"Studio Setup"**, and stores within this document the name of each MIDI device and the actual state of connections. Here we will provide a simple explanation of how to install and set up OMS; for details, please refer to the manual included on the CD-ROM (OMS_2.3_Mac.pdf).

* *You will need Adobe Acrobat Reader in order to read the manual included on the CD-ROM (OMS_2.3_Mac.pdf). To install Adobe Acrobat Reader, double-click "Reader Installer" on the CD-ROM.*

About [IAC Driver]

If you wish to synchronize V-Producer with other software (such as Cubase, Logic, Digital Performer, or Pro Tools) installed in the same computer, install the IAC Driver so that synchronization can occur without going through an external MIDI interface.
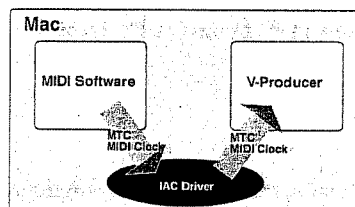
Install the IAC Driver when you install OMS.

Installing [IAC Driver]

When you install OMS, the IAC driver will be installed if you select "Easy Install," or if you select "Custom Install" and check "IAC Driver." For details refer to "Installing OMS," below.
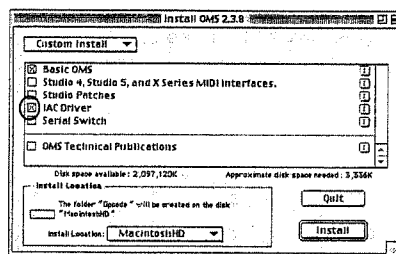
Installing OMS

-> If you are already using OMS, proceed to "MIDI device settings." (p. 16)

1. In the [English] folder of the CD-ROM, open [OMS2.3.8], and double-click [Install OMS 2.3.8].

2. Select "Easy Install" from the upper-left pull-down menu, then click [Install].

* *If you are using Opcode Corporation's Studio 4, Studio 5, or Studio 64X, click [Yes] in the dialog box that asks "Do you have Opcode Studio 4...."*

* *You cannot install onto a drive that does not contain a valid System folder.*
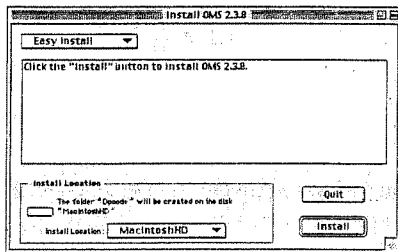
3. When installation is completed, a dialog box will suggest that you restart your Macintosh. Please click [Restart].

Setting up OMS

Here's how to make OMS settings. Before you make settings, **make sure that the power is turned on for the MIDI devices and all peripherals connected to your Macintosh.**

1. Go to the [Opcode] folder, open the [OMS Applications] folder, and double-click [OMS Setup].

MEMO If AppleTalk is on, a dialog box will appear, allowing you to choose whether to [Turn It Off] or [Leave It On].

2. In the Create a New Studio Setup window, click [OK] to create a New Studio Setup.

3. If your MIDI Interface is connected to a serial port (Modem or Printer), check the port that is connected. However, if a USB- or PCI-based MIDI interface is connected, click [Search] without checking any of the boxes.
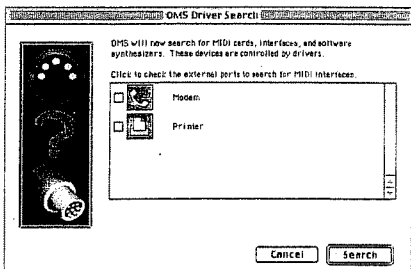
4. In the screen that appears next, verify that the connected MIDI interface and MIDI sound modules are displayed correctly. This display shows only the MIDI devices that are connected directly to the Macintosh. After verifying that they are displayed correctly, click [OK].
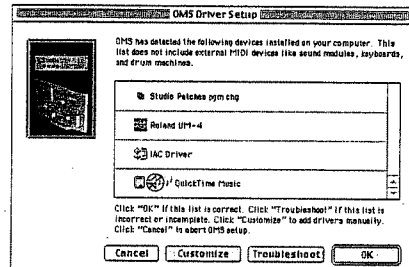
NOTE MIDI devices that are not powered-on will not be detected automatically from OMS. If a MIDI device that you believe is connected is not detected, click [Troubleshoot] and follow the directions in the screen.

5. The OMS MIDI Device Setup window will appear. Check all ports that you wish to use, and click [OK]. In the window for saving the Studio, click [Save] to save the settings.
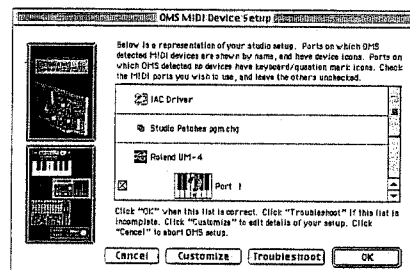
6. Use the following procedure to specify the MIDI device for the port to which the VP-9000 is connected.

IAC Driver

Studio Patches pgm chg

Roland UM-4

Port 1

Port 2

Port 3

Port 4

① Double-click the port to which the VP-9000 is connected. The MIDI Device Info dialog box shown below will appear.

② Set Manuf to "Roland."

③ Select the Model. Since the VP-9000 does not appear in the list, select "(Other)."

④ Enter the Device ID number of the sound module. Click on the numerical value, then type in the number using the keyboard. For the VP-9000, enter "17."

⑤ Assign a name to the sound module. Click the field with the mouse, then enter "VP-9000." If you have connected multiple VP-9000 units, assign a number at the end of each name so that you can more easily distinguish among them.

MIDI Device Info

Manuf: Roland

Model: (other)   Device ID: 17

Name: VP-9000 1

☑ Is controller

☑ Is multitimbral

Receives Sends
MIDI Time Code ☒☒
MIDI Beat Clock ☒☒
MIDI Machine Control ☒☒

Receive Channels
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
☒☒☒☒☒☒☒☒☒☒☒☒☒☒☒☒

Next Device   Cancel   OK

⑥ Make settings for reception and transmission of synchronization data such as MIDI Time Code. Check all of the items.

⑦ Put a check mark in the boxes for these three items: "Is controller," "Is multitimbral," and "Receive Channels."

⑧ Click the question mark icon, and in the window that appears, select and double-click the desired icon.

Device Icon

Cancel   OK

7. From the Edit menu, choose OMS MIDI Setup. In the dialog box that appears, check [Run MIDI in background], and click [OK].

OMS MIDI Setup

External ports to use:
☐ Modem
☐ Printer

☑ Run MIDI in background
(When "Run MIDI in background" is checked, OMS will retain control of external ports used by MIDI interfaces until all OMS applications have quit.)

New Easy Setup   Error Log

Edit Custom Setup   OK
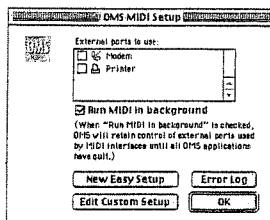
8. Make settings for the other devices in the same way.

9. In order to verify that MIDI is being transmitted and received correctly, select [Test Studio] from the Studio menu. You will enter MIDI transmit/receive test mode, and the cursor will change to the shape of a note. When the cursor changes to the shape of a note, try clicking on one of the icons that you set earlier. If the "MIDI MESSAGE" indicator of the VP-9000 blinks, the settings have been made correctly. If MIDI cannot be transmitted or received, the Macintosh warning sound will be heard. After verifying that all devices are set correctly, select [Test Select] from the Studio menu once again to exit Test mode.

10. From the File menu, select Quit to finish up with OMS Setup. A dialog box will recommend that you save the settings, so click [Save]. This completes the basic settings for OMS.

MIDI device settings

Make settings for the MIDI port that will be used to communicate with the VP-9000.

1. **Turn on the power of the VP-9000.**

2. **In The [Roland]-[V-Producer] folder, double-click the [V-Producer] icon.**

   V-Producer will start up.

3. **The MIDI Device dialog box will appear.**

   (If the MIDI Device dialog box does not appear, go to V-Producer's Option menu, and click MIDI Device.)

4. **Specify the MIDI IN and MIDI OUT port.**

   As shown in the illustration, set [PORT1] of the [VP-9000] field to the MIDI input port and output port to which the VP-9000 is connected (These fields will display the names of the ports specified for OMS). If you are using a MIDI keyboard, set [MIDI IN] of the [MIDI Keyboard] field to the MIDI input port to which your MIDI keyboard is connected.

   HINT If you specify the MIDI input port for your MIDI keyboard, you will be able to use your MIDI keyboard to audition the samples loaded into the VP-9000.
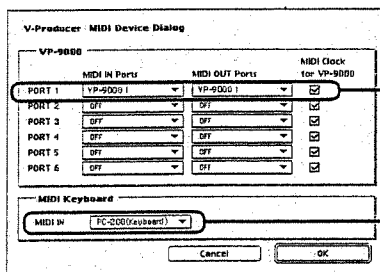
Set the MIDI port to which the VP-9000
is connected

Set the MIDI input port to which the
MIDI keyboard is connected
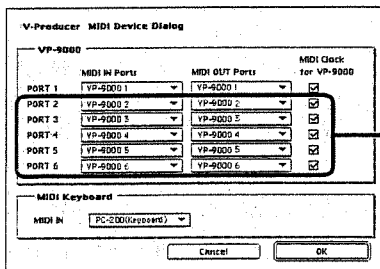
If two or more VP-9000 units are connected,
set the MIDI input/output ports for [PORT2]
and following in the same way.

   NOTE If nothing is displayed for the ports, it is possible that your MIDI interface and OMS have not been installed correctly. Perform the installations correctly as described in the manual for your MIDI interface and the OMS manual included on the CD-ROM (OMS_2.3_Mac.pdf).

5. **Click [OK].**

   NOTE If a message of "MIDI Offline" appears, V-Producer and the VP-9000 are not connected correctly. Check the following points.

   • Is the power of the VP-9000 turned on?
   • Is the VP-9000 connected correctly?
   • Is the VP-9000 set to a mode other than DISK mode?
   (Communication will not occur correctly in DISK mode.)

About the MIDI Clock for VP-9000 field

The MIDI Clock for VP-9000 field in the MIDI Device dialog box provides an on/off switch for the MIDI Clock that is output from each port (PORT 1--PORT 6) to the VP-9000. By receiving MIDI Clock from V-Producer, the VP-9000 can synchronize its performance to the master tempo of V-Producer. Normally, you will leave all ports checked.

NOTE With some MIDI interfaces (such as the Mark Of The Unicorn Corporation's "MIDI Express" and the emagic Corporation's "amt8"), when MIDI Clock data is input to one port, it gets output from all ports. For this reason, if multiple VP-9000 units are connected, or if a MIDI interface of this kind is specified in the Sync dialog box as the MIDI Clock output destination, the VP-9000 may play at several times the correct tempo. If this occurs, check only one port for your MIDI interface in the "MIDI Clock for VP-9000" column, and make sure that all other ports are unchecked. This will ensure that the VP-9000 plays at the correct master tempo.

This completes preparations for using V-Producer.
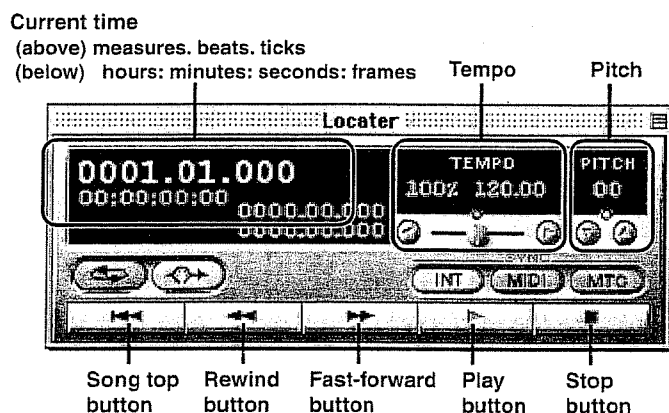
Listening to the demo songs

This chapter explains how to load and play the demo songs included with V-Producer.

Loading the demo songs

1. Insert the "VP-9000 UPDATER&DEMO DISK" Zip disk into the Zip drive of the VP-9000.

2. Successively press the VP-9000 buttons [DISK], [LOAD], and [PERFORM].

3. In the Demosong folder, select "Collage Jazz" and press the [LOAD] button.

The demo song performance "Collage Jazz" will be loaded into the VP-9000.

* If you start up V-Producer while the VP-9000 is loading a Zip disk (in DISK mode), the display will indicate "MIDI Offline!" while the program is starting up. In this case, click [OK], wait for the VP-9000 to finish loading data from the disk, and then continue operation.

4. Start up V-Producer.

5. From the V-Producer's File menu, select Open, and open "CollageJazz.vpd," which you will find in the [Roland]-[V-Producer]-[Demosong] folder.

Playing the demo song

You will use the Locator of V-Producer to play back the song.

Current time
(above) measures. beats. ticks
(below) hours: minutes: seconds: frames   Tempo   Pitch

Song top   Rewind   Fast-forward   Play   Stop
button   button   button   button   button

1. Click the Locator [Play] button to play the song.

When the song plays, the current time will change.

* If the demo song does not play, refer to "Troubleshooting" in the appendices.

● **Stopping the song**
Click the [Stop] button.

● **Moving the current location in measure units**
Click the [Fast-forward] button or [Rewind] button.

● **Changing the tempo of the song**
Operate the tempo slider.

* This can be done even while the song is playing.

● **Transposing the overall playback pitch in semitone steps**
Click the pitch up/down buttons.

About the demo songs

This software contains two demo songs.

1. Collage Jazz

2. Mixture Rock

Musical works produced by Mitsuru Sakaue

Copyright © 2000 Idecs music software.

NOTE Use of the song data supplied with this product for any purpose other than private, personal enjoyment without the permission of the copyright holder is prohibited by law. Additionally, this data must not be copied, nor used in a secondary copyrighted work without the permission of the copyright holder.

Profile of composer

Mitsuru Sakaue

From his college days, Mitsuru Sakaue has been active as a keyboard player and arranger in studio and commercial music production. At present he is involved in production of commercials for TV and radio as a composer, arranger, keyboard player and computer music expert. His highly acclaimed musical abilities go beyond borders of musical genre. He is the chief director of the Idecs (Inc.) group of creative musical artists.

Basic operation

This chapter explains the basic operation of V-Producer, and is organized according to the actual work flow. Once you have read through this chapter, you will have mastered the basics of operating V-Producer.
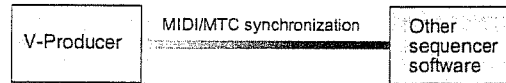
Basic concepts of V-Producer

V-Producer receives information about the samples in the VP-9000, and displays them in units called "phrases." You can easily create a multitrack song by arranging phrases in a screen that corresponds to the six parts of the VP-9000. In addition, you can create numerous variations of a phrase by modifying the Time, Pitch, or Formant of the phrase, or by transposing it. Furthermore, you can perform this editing in real time while playing the phrase as a loop, making it easy for you to create the exact phrase that you want.
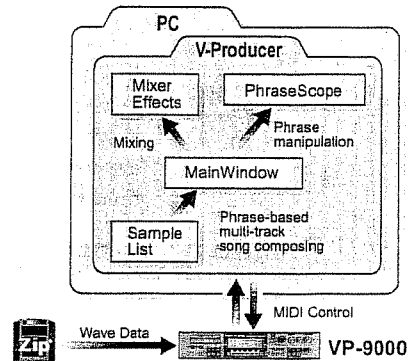
NOTE The information loaded by V-Producer from the VP-9000 is only the information that V-Producer needs. The actual sampled wave (waveform data) is not loaded. **V-Producer controls the VP-9000 via MIDI.**

V-Producer supports synchronized playback via MIDI, and can be used in conjunction with other MIDI sequencers. This makes it easy for you to create an ensemble with other MIDI sound generators and the VP-9000.
Songs created using V-Producer can also be saved as SMF (Standard MIDI File) data, which can then be loaded into another sequencer and used to control the VP-9000.

You can use the included V-Trainer to encode wave data on your computer. This is convenient when you wish to encode a commercially available sampling CD or materials that you have processed using waveform editing software.
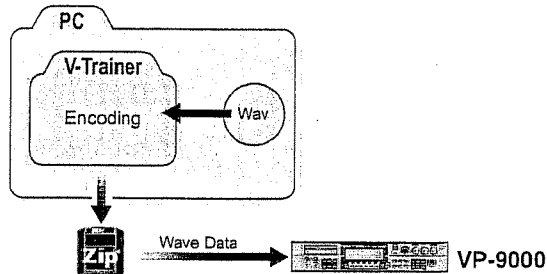
* In order to exchange files with the VP-9000, your computer must have a Zip drive.

Receiving sample information from the VP-9000 —VP-9000 Sample List window

Before you can create a song, necessary information such as the name and length of the samples loaded in the VP-9000 must be loaded into V-Producer.

Loading sample information into V-Producer

Before you begin the following procedure, you should load several samples into the VP-9000.

HINT If you cannot find convenient samples to load into the VP-9000, use **step 1—3** of "Loading the demo song" (p. 18) to load the demo song performance.
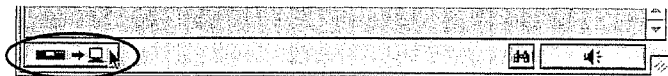
NOTE When receiving sample data, set the VP-9000 to a mode other than [DISK] mode.

1. Start up V-Producer.

2. In the toolbar, click the VP-9000 sample list button (🔲), then the VP-9000 sample list window will appear.

3. Click a [PORT1]–[PORT6] tab to select the port that is connected to the VP-9000 from which you wish to load sample settings.
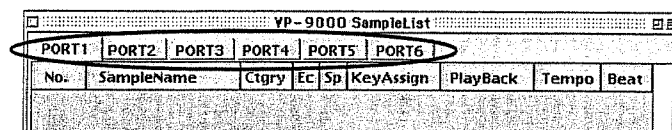
4. Press the download button.

5. Reception of VP-9000 sample data from the VP-9000 connected to the selected port will begin.

6. When loading has been completed, the VP-9000 sample list window will display information such as the sample name, category, and tempo.

No.	SampleName	Ctgry	Ec	Sp	KeyAssign	PlayBack	Tempo	Beat
A001	HG4 CLJ01	BRS	BAC		Poly	ReTrigger	110.0	1
A002	HG4 CLJ02	DRM	BAC		Solo	ReTrigger	110.0	4
A003	HG4 CLJ03	BS	BAC		Solo	Legato	100.0	8
A004	HG4 CLJ04	EGT	BAC		Poly	TimeSync	100.0	2
A005	HG4 CLJ05	EGT	BAC		Poly	ReTrigger	100.0	4
A006	HG4 CLJ06	ORG	EHS		Poly	ReTrigger	110.0	2
A007	HG4 CLJ07	SAX	SOL		Solo	Legato	110.0	31

Auditioning samples

1. In the VP-9000 sample list window, use the mouse to select the sample that you wish to hear.

You can also use the [↑][↓] keys of the keyboard to select a sample.

2. You can audition the sample by continuing to click the [Preview] button in the diagram, or by pressing the [P] key of your computer.

The sound will be heard from the VP-9000.

No.	SampleName	Ctgry	Ec	Sp	KeyAssign	PlayBack	Tempo	Beat
A001	HG4 CLJ01	BRS	BAC		Poly	ReTrigger	110.0	1
A002	HG4 CLJ02	DRM	BAC		Solo	ReTrigger	110.0	4
A003	HG4 CLJ03	BS	BAC		Solo	Legato	100.0	8
A004	HG4 CLJ04	EGT	BAC		Poly	TimeSync	100.0	2
A005	HG4 CLJ05	EGT	BAC		Poly	ReTrigger	100.0	4
A006	HG4 CLJ06	ORG	EHS		Poly	ReTrigger	110.0	2
A007	HG4 CLJ07	SAX	SOL		Solo	Legato	110.0	31

If a MIDI keyboard is connected, you can play the keyboard to audition the sample.

HINT If you are using all six parts in the main window, it will not be possible to audition samples of the sample list during playback.
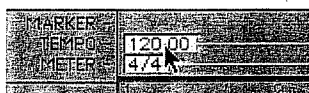
Creating a song—Main window

Now let's actually create a song.
To create a song, you simply place samples from the VP-9000 sample list window into the main window.
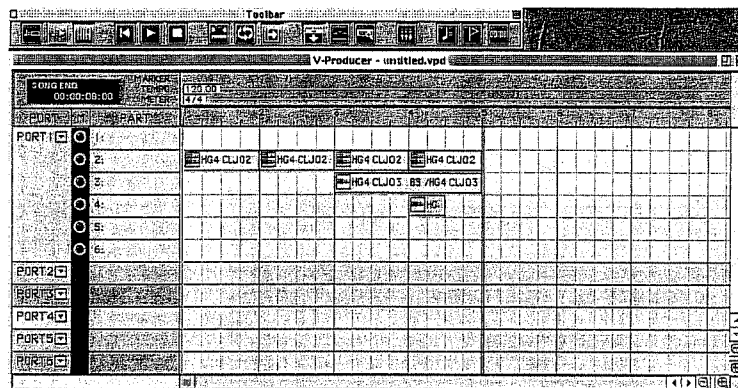
Setting the tempo

1. **Double-click the TEMPO area.**

2. **The Add Tempo dialog box will appear.**

3. **Set the tempo in the Value field, and click OK.**

> **HINT** The setting in the Add Tempo dialog box sets the basic tempo of the song. In contrast, the Tempo slider in the locator section produces a relative tempo adjustment that is centered on the basic tempo. Use the Tempo slider when you wish to adjust the tempo temporarily.

Specify the time signature

1. **Double-click the METER area.**

2. **The Add Meter dialog box will appear.**

3. **Specify the time signature in the Meter Value field, and click OK.**
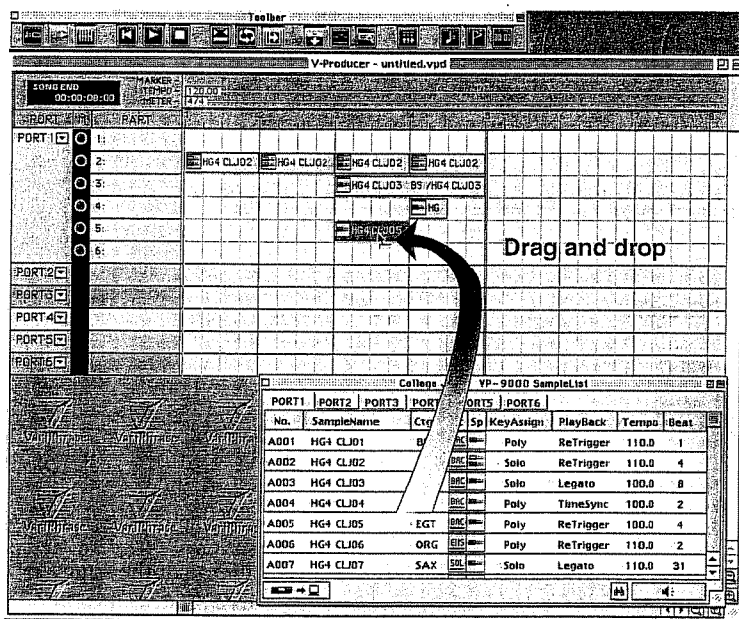
Place samples in the main window

V-Producer has six ports, and one VP-9000 can be connected to each port. This means that a maximum of six VP-9000 units can be used.

Each port has six parts, which correspond to the parts of the VP-9000.

The time ruler in the upper part of the screen indicates the measure number.

Now let's place some samples.

1. **From the VP-9000 sample list window, drag and drop the samples you wish to play into the main window.**

2. **The samples will be placed at the location of the mouse cursor.**

HINT   The VP-9000 sample list window has six tabs, Port 1 through Port 6. These separately display the samples of six VP-9000 units. The Port 1 samples can be placed only in the Port 1 parts of the main window. Similarly, the Port 2 samples can be placed only in the Port 2 parts of the main window.

By clicking the [▼] button in the PORT area, you can expand or contract the Part display. Samples cannot be placed if the Part display has been contracted.

Editing frames

The samples placed in the main window are displayed as rectangular bars. These rectangular bars are called "frames."
You can edit the song structure by moving, copying, or pasting frames.

Select the frame that you wish to edit

In order to edit, you must first select the object that you wish to edit. There are several ways to do this.

● Selecting a single frame

Click the mouse on the frame.

● Selecting two or more frames

Drag the mouse so as to describe a rectangle that includes the desired frames. By holding down the [Shift] key and [command] key of the keyboard as you drag, you can select a rectangle even from above a frame.
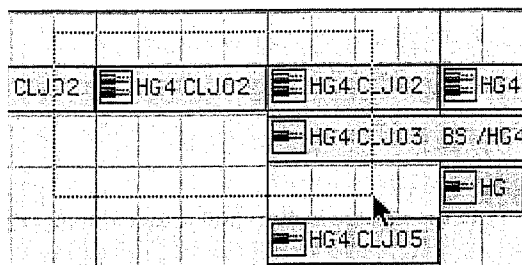
You can add to your selection by holding down the [Shift] key of the keyboard and clicking another frame.

● Selecting by time range

By dragging the mouse over the time ruler, you can select the corresponding region and any frames that are included in it.
At this time, the beginning and end of the selected region will automatically be adjusted to the grid interval if the grid snap button ([grid icon]) of the toolbar is pressed.

> **HINT**
> When you select by a time region, the blank portions that contain no frames will also be selected for copying. Also, you can select the samples of all ports included in that time region.

25
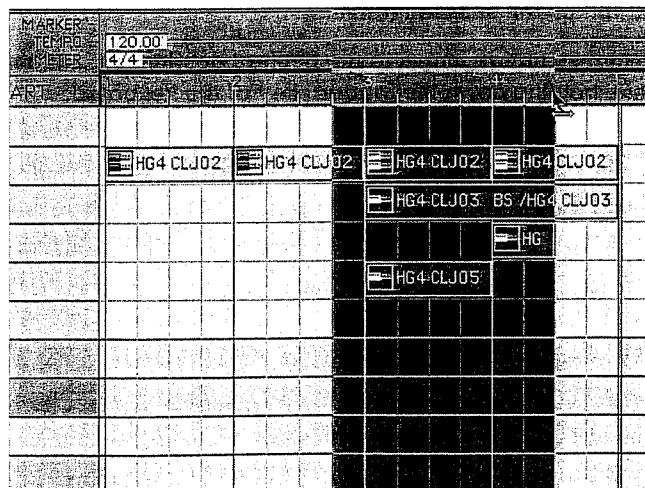
Moving a frame

1. Select the frame(s) that you wish to move, so that they are highlighted.

2. Press and hold the mouse button on the selected frame(s).

**3.** Continue to hold the mouse button as you move to the desired destination, and then release the mouse button.

> **HINT** If you turn off the grid snap button (▥), you will be able to move to precise locations regardless of the grid interval.

> **HINT** The size of the display grid can be increased or decreased using the magnifying glass button (▣▣) located at the lower right of the main window.

Changing the length of a frame

1. When you move the mouse near the end of a frame, the cursor will change shape as shown below.
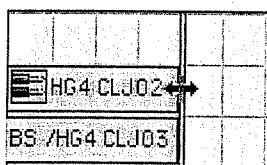
2. With the cursor in this shape, press and hold the mouse button and drag to left or right. Then release the mouse button.

> **NOTE** Even if you extend a frame, the length of the phrase (sample) will not change. This means that if you extend a frame so that it is longer than the phrase, there will be silence for the remaining portion of the frame.

Copying a frame

Frames can be copied to a desired location as many times as you wish. This makes it easy to create repetitive sections, such as rhythms.
Here are several ways in which you can copy frames.

● Drag & drop to copy

1. Select the frame(s) that you wish to copy.

2. Press and hold the mouse button on the selected frame(s).

3. Continuing to hold down the mouse button, move to the desired destination, and then release the mouse button while holding down the [option] key of the keyboard.
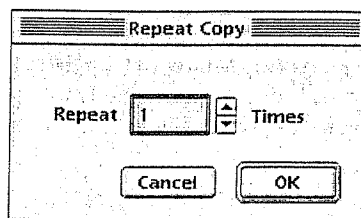
● Using the Copy and Paste commands to copy

1. Select the frame(s) that you wish to copy.

2. Use one of the following methods to copy the frame(s).

1. Choose Copy from the Edit menu.
2. Holding down the [control] key and Click the selected frame, and choose Copy from the menu that appears.
3. Hold down the [command] + [C] key of the keyboard.

3. Click the copy destination part.

4. Move the current time to the starting location of the copy destination.

5. Use one of the following methods to paste the frame(s) that you copied.

1. Choose Paste from the Edit menu
2. Holding down the [contol] key and Click, and choose Paste from the menu that appears.
3. Hold down the [command] + [V] key of the keyboard.

● Copying frames repeatedly (Repeat function)

By using the Repeat function, you can easily create a repetitive rhythm pattern.

1. Select the frame(s) that you wish to copy.

2. Use one of the following methods to execute the Repeat function.

1. Choose Repeat from the Edit menu.
2. Holding down the [contol] key and Click the selected frame, and choose Repeat from the menu that appears.
3. Hold down the [command] + [R] key of the keyboard.

3. The Repeat Copy dialog box will appear. Specify the number of repetitions.

4. Click OK.

Deleting frames

1. Select the frame(s) that you wish to delete.

2. Use one of the following methods to delete.

1. Choose Cut from the Edit menu.
2. Holding down the [contol] key and Click the selected frame, and choose Cut from the menu that appears.
3. Press the [Delete] key of the keyboard.

HINT When you use these delete commands to delete one or more frames, the original location will become blank, and the overall length of the song will not change. If you wish to delete measures to shorten the song (for example if you wish to shorten the introduction by two measures), use the Song-Delete Measure menu (p. 76).

HINT From the menu that appears when you hold down the [Control] key and click in the PART area, you can choose "Delete Part" to delete all frames of the part.

Editing the settings of a frame—Frame Property

Frame properties allow you to easily edit the settings (volume, pan, pitch) of the frames placed in the main window.

1. Click the frame whose properties you wish to edit.

2. In the toolbar, click the frame property button ( ) to open the Frame Property window.

● **Adjusting the volume**
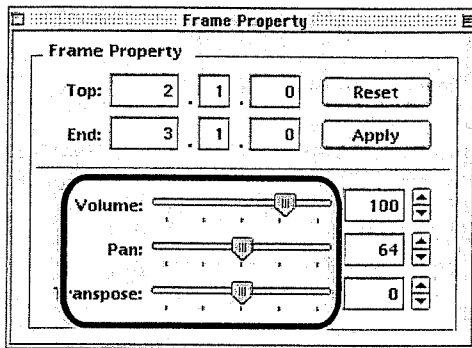Move the Volume slider.

● **Adjusting the pan**
Move the Pan slider.

● **Adjusting the pitch**
Move the Transpose slider to adjust the pitch in semitone steps.

> **HINT** By using the method described in "Setting the loop playback region" (p. 30) to loop the playback while you adjust various Frame Property parameters, you can adjust the pitch or volume to the precise setting required while you listen to the actual playback.

Editing a phrase—Phrase Scope

The phrase scope allows you to edit the phrase, which is the musical data within the frame.
By using the phrase scope you can visually edit the pitch, time, and formant at desired locations of the phrase.
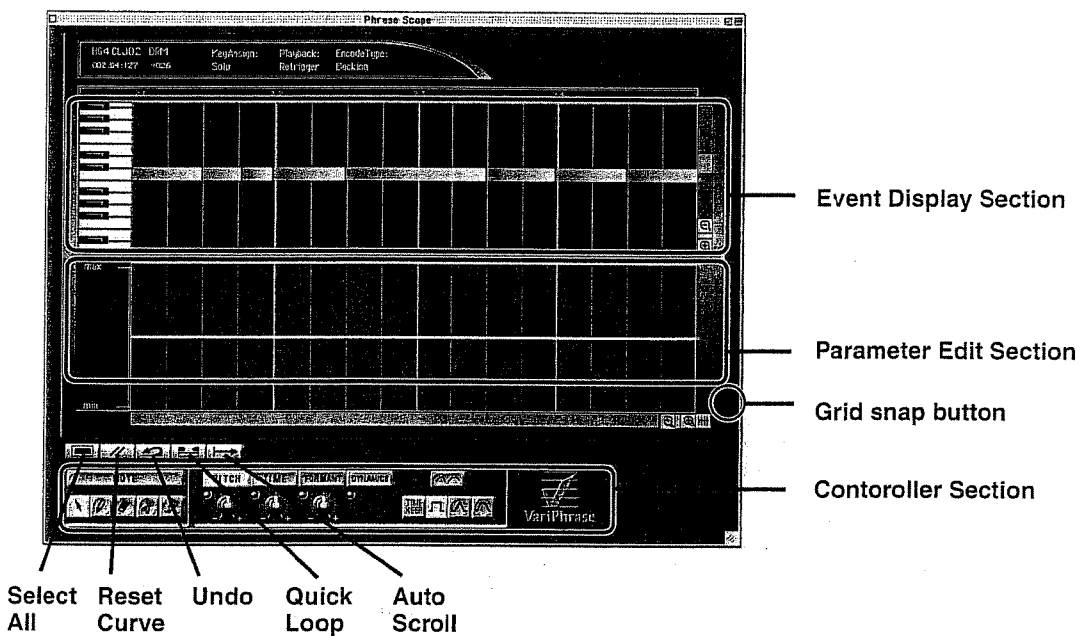It is also easy to change the melody line, or to add harmony to a vocal to create a chorus.
Editing can be performed while the playback is looped, allowing you to listen to the results while you edit.
Since the phrase can easily be restored to its original state, you can try different edits as many times as you like.

Opening the phrase scope

1. Double-click the frame to display the phrase scope.

Event Display Section

Parameter Edit Section

Grid snap button

Contoroller Section

Select Reset   Undo   Quick   Auto
All   Curve   Loop   Scroll

● Event display section
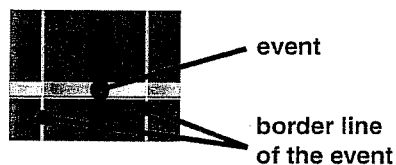
This shows the events within the encoded sample.
The area between two blue lines is an event. The blue lines indicate event boundaries.

* *If no events are displayed, try using the scroll bar to adjust the displayed location (up/down).*

event

border line
of the event

If you play back from a location in the middle of a phrase, the sound will begin from the location of the blue line.

NOTE

Event pitch

- For samples encoded as SOLO type, the events will be displayed at the corresponding pitch locations.

* *The event pitch display is only an approximation, and for some samples the correct pitch will not be displayed.*

- For samples encoded as anything other than the SOLO type, each event will be displayed at the same note location.

HINT

By clicking the magnifying glass buttons located at the right side of the scroll bar in the event display section and edit section, you can expand or shrink the display. If you wish to expand or shrink continuously, hold down the button located between the magnifying glass buttons (+ and -) and drag the mouse.

● **Editing section**

Here you can edit PITCH, TIME, FORMANT, NOTE, and DYNAMICS parameters.

● **Controller section**

Here you can switch the parameters displayed in the edit section, and change the type of curve. You can also turn the knobs to edit parameters directly.

Setting the loop playback region

During loop playback, you can edit in the phrase scope and listen to the results of your editing as you work.

1. In the locator, turn on the loop button.
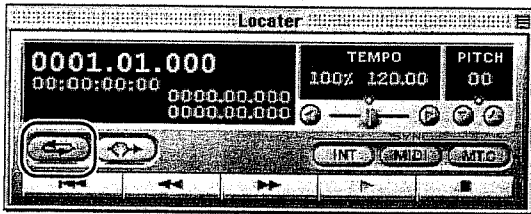
2. Loop markers will appear in the time ruler of the main window and phrase scope.

3. In the main window or phrase scope window, drag the loop markers to left or right to set the loop start point and end point.

4. To loop-playback the region defined by the loop markers, press the play button.

Using the Quick Loop function to set the loop range

By using the Quick Loop function you can set the selected region as the loop region.

In the main window, select a frame and click the Quick Loop button in the tool bar. The loop region will be set to the beginning and end of that frame. Alternatively, you can drag over the time ruler to select a region, and then click the Quick Loop button to set that region as the loop region.

Similarly, in the phrase scope, you can select a region and then click the Quick Loop button to set that region as the loop region.

Editing time/pitch/formant/dynamics

You can edit the time/pitch/formant/dynamics at the desired points of the phrase. There are two ways to edit; using a curve or using anchor points.

Selecting the parameter to be edited

1. **In the controller section, press one of the [PITCH][TIME][FORMANT][DYNAMICS] buttons to select the parameter that you wish to edit.**

   The edit area will display the selected parameter.

   - PITCH (control change number 16): change the pitch.
   - TIME (control change number 17): change the playback speed.
   - FORMANT (control change number 18): if the sample was encoded as "SOLO," change the tonal character (formant).
   - DYNAMICS (control change number 11; expression): change the volume.

   NOTE Formant can be edited only if the sample was encoded as "SOLO." The red line indicating the formant will not be displayed even if you press the FORMANT button.

Using curves to edit (Curve Edit mode)

When using curves to edit, you can select a curve that will apply a relative increase or decrease to the specified region of the parameter.

1. Use one of the following methods to specify the region that will be edited.

- Select the desired region: if you wish to drag the mouse to left or right across the editing area to specify the region in grid units, turn on the grid button located at the lower right of the editing area.
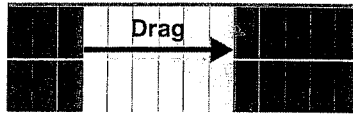

- Extend the selected region: Hold down the [Shift] key of the keyboard, and click the editing area
- Cancel the selected region: Click an area of the editing area outside of the selection, or click the border
- Select all events: Click the event display area
- Multiple selection in event units:Drag the mouse to left or right in the event display area

2. Click the Flat, Linear, or Curve button in the controller area to select the type of curve.
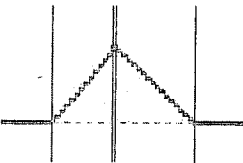
When you click these buttons, you will enter Curve Edit mode.
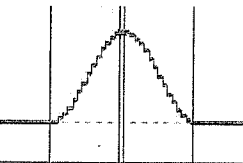

- Flat: the parameter will be increased or decreased uniformly.
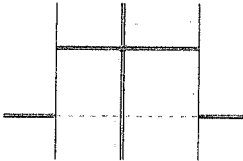
- Linear: the parameter will be increased or decreased linearly.

- Curve   : the parameter will be increased or decreased according to a curve.

3. **Use one of the following methods to increase or decrease the value.**

- Using the mouse
  Press and hold the mouse button on the selected region of the parameter editing area, and drag up or down. When you reach the desired value, release the mouse button.
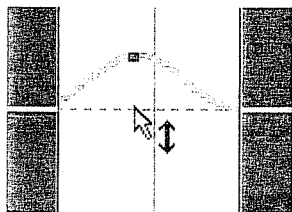
HINT   If you selected Linear or Curve, the increase or decrease in value will be centered at the location where you pressed the mouse button.

- Using the knobs
  Use the [PITCH][TIME][FORMANT] knobs to increase or decrease the value.

HINT   By operating the [PITCH][TIME][FORMANT] knobs of the controller area, you can simultaneously select and edit a parameter.

HINT   The knobs of the controller area are linked with the [PITCH][TIME][FORMANT] knobs of the VP-9000. Instead of using the mouse, you can operate the knobs on the VP-9000 itself to edit the parameters. ·

Time Keep function

When using Curve Edit mode to edit time, you can use the Time Keep function. If the Time Keep function is turned on, editing the time will cause the edit curve to be adjusted so that the length of the selected region is preserved unchanged. Use this when you wish to edit the time to add subtle nuances but don't want the overall length to change. The Time Keep function is turned on/off by clicking the [Time Keep] button (🔲) in the controller area. The Time Keep function cannot be used in Anchor Point Edit mode.

Using anchor points to edit (Anchor Point Edit mode)

1. In the controller area, click the anchor point button ([icon]).

This selects Anchor Point Edit mode.

2. Add/move/delete anchor points to edit the value.

- Add an anchor point: Double-click on the parameter line.

* *An anchor point will not be added if you double-click on the selected region.*

- Move an anchor point: Click the anchor point that you wish to move, and then drag it to the desired location.
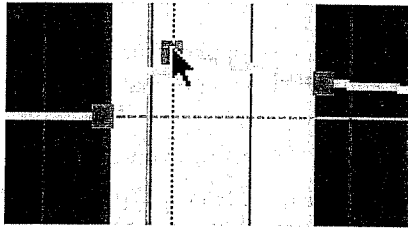
- Delete an anchor point: Hold down the [Option] key of the keyboard, and click the anchor point that you wish to delete.

HINT   If you select a region in the editing area and drag the mouse up or down on the selected region, anchor points will automatically be added to the beginning of the selected region, the mouse location, and the end of the selected region (three locations). Any anchor points that previously existed in the selected region will be deleted. This method allows you to simultaneously add, move, and delete anchor points for efficient editing.

Editing notes

By editing notes you can modify the melody of a phrase, or create chords.

When you press the [Note] button of the controller section, the MIDI notes used to play the phrase will be displayed in purple. By default, the note will be the original pitch of the sample (the key that plays the sampled pitch). As many notes will be displayed as there are events.
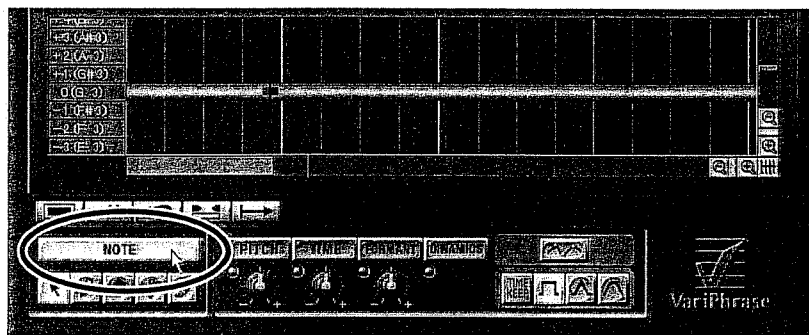
By moving or adding notes in the phrase scope, you can freely perform the sample just as if you were controlling the VP-9000 from a keyboard. For example, you could use this to create a chorus part melody from a single vocal melody.

NOTE

To edit the note, use the Sample List window to set the Playback mode of the sample to LEGATO or TIME SYNC. When you double-click a sample in the VP-9000 sample list window, you will be able to edit parameters such as Key Assign and Playback.

If the Playback mode is set to RETRIGGER, editing a note will cause the beginning of the sample to be played each time you change the pitch, and it will not be possible to play legato.

Double click
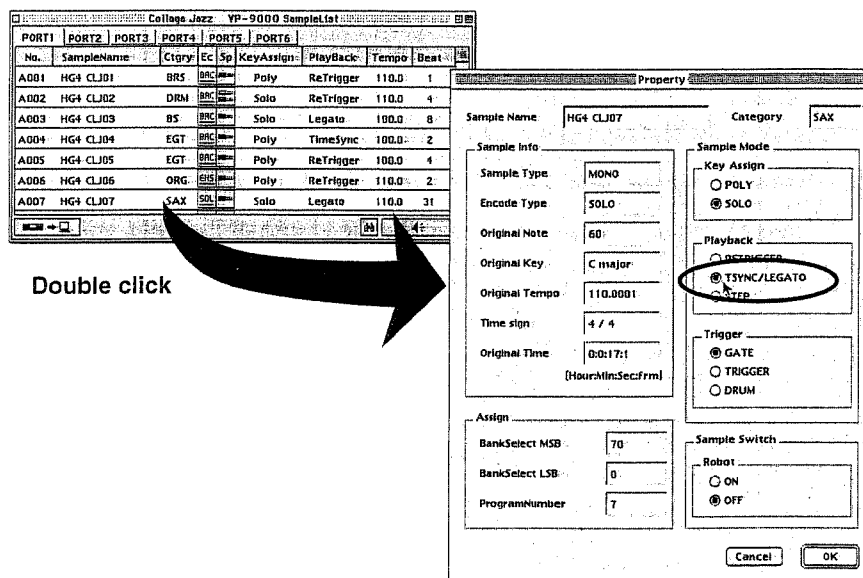
Changing the pitch

1. Click the [NOTE] button in the controller area, and then select the arrow button (⬉).

2. Move the mouse near the top or bottom of the note.

The cursor will change to an up/down arrow.

3. With the mouse cursor displayed as an up/down arrow, drag the note up or down.

The event display area will indicate how the phrase has changed.
The keyboard in the vertical axis of the event display area provides an indication of the pitch at which the phrase will actually sound. In contrast, the vertical axis of the editing area indicates the note number that will play the phrase.
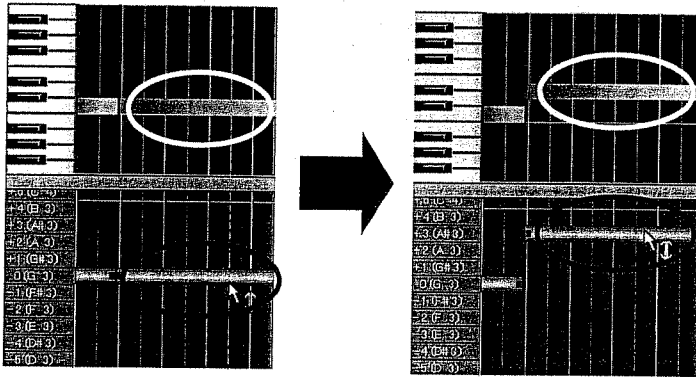
Creating a chord

NOTE Chords can be played only if the sample's Key Assign is "POLY."

1. Select the arrow button (⬉) in the controller area.

2. Hold down the [Option] key of the keyboard, and drag the note upward or downward at the location where you wish to create a chord.

3. Release the mouse button.

A blue note will be copied to that location.

4. Move the mouse near one of the ends of the copied note.

5. Drag the note to left or right to modify the length of the note, adjusting the spacing of the chord.

Changing the legato timing

Purple notes indicate that they are played legato with the note at either end.
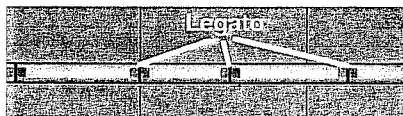
By dragging a purple note to left or right, you can adjust the note-on or note-off timing while preserving the legato performance.

1. Select the arrow button (▣) in the controller area.

2. Move the mouse near either end of the note.

3. Drag the note to left or right.

The notes at either side of the note you dragged will automatically expand or contract to preserve the legato performance.

Freely changing the location of a note

Notes can be freely moved to a different location. At this time, purple notes will maintain legato when they are moved.

1. Select the arrow button (▣) in the controller area.

2. Move the mouse near the center of a note.

3. Drag the note up/down/left/right.

HINT If you wish to restrict the movement of the note to the up/down direction, hold down the Shift key as you drag the note up or down.

Adding a note

You can add new notes. Added notes will be displayed in blue.

1. Select the add button (▣) in the controller area.

2. Press and hold the mouse button at the location where you wish to add a note.

3. Continuing to hold down the mouse button, drag to the right to specify the length of the note.

4. Release the mouse button.

5. A blue note will be added.

Changing the length of a note

The length of a blue note can be freely adjusted.

1. Select the arrow button (▣) in the controller area.

2. Move the mouse near either end of the note.

3. Drag the note to left or right.

Deleting a note

Blue notes can be deleted. It is not possible to delete a purple note.

1. Select the delete button ( ) in the controller area.

2. Click the mouse on the note that you wish to delete.

Dividing a note

A note can be divided into two notes. For example, you can divide a note at a location where you wish to change the melody, and then move the divided notes upward or downward to change the pitch at the desired timing.

1. Select the divide button ( ) in the controller area.

2. Click the mouse at the location where you wish to divide the note.

Joining notes

Divided notes can be re-joined.

1. Adjust the locations of the notes that you wish to join, so that they are in the same horizontal plane.

2. Select the join button ( ) in the controller area.

3. Click between the two notes that you wish to join.

Restoring the original phrase

By using the phrase scope to reset the edited values, you can easily restore the phrase to its original condition.

1. Click one of the [NOTE][PITCH][TIME][FORMANT][DYNAMICS] buttons in the controller area to select the parameter that you wish to reset.

2. Select the range that you wish to reset.

3. Press the reset button ( ) in the controller area.

4. The selected region of the phrase will be restored to its original condition.

> **HINT** If you press the select all button ( ) of the controller area, the entire phrase will be selected. By pressing the reset button in this state, you can quickly reset the entire phrase. Click the select all button once again, and the region selection will be cancelled.

Saving

Saving a song

As with most Macintosh programs, you can save your work by using the Save or Save As commands of the File menu.

When saving the song, a dialog box indicating "Some edited samples exist in VP9000" is displayed.

When saving the song on the V-Producer, save the VP-9000 performance data to the Zip drive on the VP-9000 as well. If you do not want this dialog box to appear in the future, check "Don't display this message again."

NOTE V-Producer is not able to save the performance or sample settings of the VP-9000 itself. When saving a song on V-Producer, you must also save the performance to a Zip disk on the VP-9000.

NOTE The next time you open a previously saved song in V-Producer, the VP-9000 performance used by that song must first be loaded into the VP-9000.

Saving in SMF format

If you wish to use another sequencer program to load and play a song that was created by V-Producer, select Export SMF from the File menu to save the song in SMF format.

NOTE Be aware that a song saved in SMF format cannot be loaded back into V-Producer.

NOTE When the SMF data is loaded by some sequencers, the settings of the VP-9000 may not be made correctly. In order to avoid this problem, you should save the VP-9000 performance to a Zip disk at the same time that you save the SMF data. Before playing this SMF on another sequencer, load the saved VP-9000 performance back into the VP-9000.

NOTE When using a MIDI sequencer to play back SMF data created by V-Producer, **MIDI Clock data must be transmitted from the MIDI sequencer to the VP-9000** in order to synchronize the VP-9000 with the song tempo. As the MIDI clock transmission port of the MIDI sequencer, specify the MIDI port to which the VP-9000 is connected. You must also set the VP-9000 Performance mode parameter Clock Source (Clock Src) to "MIDI."

Mixing—Mixer window and Effect windows

V-Producer has a Mixer window in which you can control the level and pan of the six VP-9000 parts, and Effect windows in which you can control the multi-effect, chorus, and reverb parameters.

NOTE The mixer and effect settings cannot be saved in the song. Save these settings on a Zip disk as part of the VP-9000 performance.

Using the Mixer window

To open the mixer window, press the mixer button (🖼) located in the toolbar of the main window.

M-FX send level
Sets the depth of the multi-effect.
* This is valid only if Output Assign is set to [M-FX]

Chorus Send Level
Sets the depth of chorus.
* This setting is ignored if Output Assign is set to [DIR1] or [DIR2].

Reverb Send Level
Sets the depth of reverb.
* This setting is ignored if Output Assign is set to [DIR1] or [DIR2].

Panpot
Sets the panning of each part.

Slider (Level)
Adjusts the volume of each part.

Output Assign
Specify the output destination of the unprocessed sound.

Port Select
By selecting the port to which it is connected, specify the VP-9000 that will be controlled.

Effects
Open the effect window for the corresponding button.

Update
Cause the state of all Mixer window and Effect window parameters to match the current state of the VP-9000.

MEMO If you directly edit the VP-9000 itself or re-load the VP-9000 performance while the mixer window is displayed, press the [UPDATE] button so that the current state of the VP-9000 will be reflected in the mixer window.

Using the Effect windows

Press the [MULTI], [REVERB], or [CHORUS] button in the mixer window to open the corresponding effect window.

MULTI (multi-effect)

ON/OFF switch

Type select button

Multi-effect output volume

Set the chorus depth for the multi-effect output

Set the reverb depth for the multi-effect output

Set the multi-effect output destination
MAIN: output to "MAIN OUT"
DIR1: output to "DIRECT OUT 1"
DIR2: output to "DIRECT OUT 2"

Type list display

CHORUS

ON/OFF switch

Type select button

Chorus output volume

Set the reverb depth for the chorus output

Type list display

REVERB

ON/OFF switch

Type select button

Reverb output volume

Type list display

Changing the effect type

There are 40 types of multi-effect, eight types of chorus, and nine types of reverb.

1. **Click the type select button (▣▷) located above the type name display in the effect window.**

The effect type will change.

Alternatively, you can click the TYPE field (**TYPE ▽**) to view a list of the available types, and directly select the desired type.
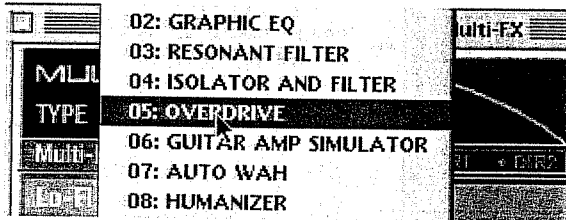
> **MEMO** For details on the parameters of each effect, refer to the reference manual of the VP-9000.

Using V-Producer together with a MIDI sequencer

V-Producer can synchronize to MIDI Clock as the slave. This allows V-Producer to play back in synchronization, as the slave of another MIDI sequencer.
For example you can use V-Producer to play the VP-9000, and use your favorite sequencer to add MIDI parts and audio parts.

Synchronization using MIDI clock

If you are using MIDI Clock for synchronization, V-Producer will play back in synchronization with the tempo of the master device. Thus, we recommend that you **use MIDI Clock when synchronizing a MIDI sequencer with V-Producer.**

* *If you wish to synchronize to a MIDI sequencer within the same computer, select "-IAC Bus #1" (IAC Driver) as the MIDI device. For details on the IAC Driver, refer to "About [IAC Driver]" (p. 11).*

* *For other synchronization methods, refer to "Synchronization settings" (p. 81).*

Synchronization settings for V-Producer

Here's how to make settings so that V-Producer will operate according to the MIDI Clock data from the MIDI sequencer.

1. Choose [Option]-[MIDI Sync].

2. In the Sync Mode dialog box, for Sync IN, set the IN parameter to the MIDI device that will be used to input the synchronization data.

* *If you wish to synchronize to a MIDI sequencer on the same computer, select "-IAC Bus #1" as the MIDI device.*
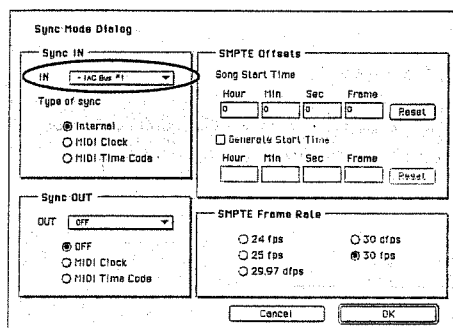
3. Set "Type of sync" to "MIDI Clock."
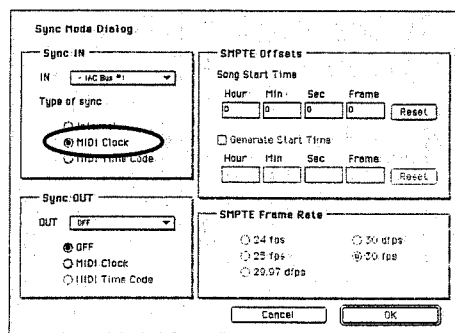
* You can change the sync mode by clicking the SYNC Buttons in the Locator.

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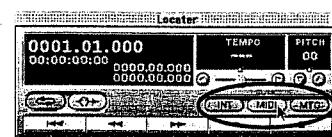
4. Click [OK].

5. With these settings, V-Producer will synchronize to the playback of the Master device.

NOTE When the Sync mode is [MIDI], it is not possible to start playback or control the tempo from the locator. If you wish to play back from the locator, switch the Sync mode to [INT].

NOTE If the loop mode of V-Producer is on, V-Producer will give priority to loop playback rather than the playback location of the master MIDI sequencer.

HINT Most sequencers do not re-transmit location data at the beginning of a loop. For that reason, if the master sequencer is set to loop the playback, V-Producer will ignore the loop playback of the sequencer, and will play the succeeding measures. To avoid this problem, specify the same loop region on V-Producer as on the master, and turn V-Producer's loop mode on.

Synchronization settings on the MIDI sequencer

If you are using a MIDI sequencer (installed on the same computer) as the synchronization master, and synchronizing V-Producer to it, you can use the IAC driver to achieve synchronization without going through an external MIDI interface.
Here we will explain the settings for several popular MIDI sequencers.

* *The IAC driver is installed automatically when OMS is installed (p. 11).*

Logic Audio settings

MEMO The explanation in this manual is for Logic Audio 4.5.1. Please be aware that differences in the software version may mean that the windows or menu items may be slightly different.

MEMO If you are not using OMS with Logic, check "Use OMS if available" in [Options]-[Settings]-[MIDI Interface Communication].

1. Choose [Options]-[Settings]-[Synchronization Settings].

2. In the Song Setting dialog box, check "Transmit MIDI Clock" in [MIDI Options] as shown in the illustration, and select "-IAC Bus #1" as the output destination.
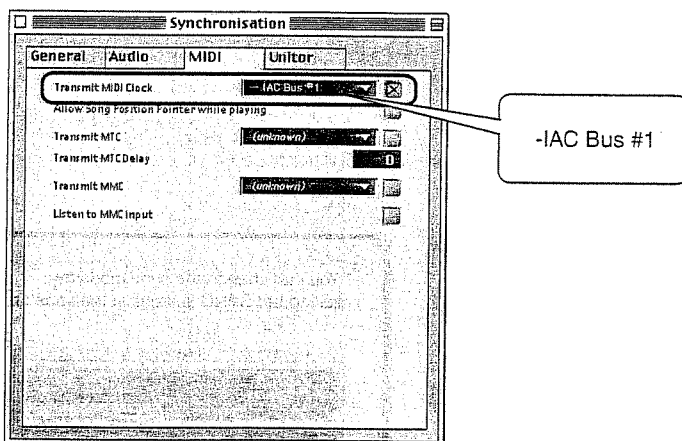
3. Close the dialog.

Cubase VST settings

MEMO The explanation in this manual is for Cubase VST 5.0. Please be aware that differences in the software version may mean that the windows or menu items may be slightly different.

MEMO If you are not using OMS with Cubase, change the [Options]-[MIDI Setup]-[System] setting [OMS Compatibility] from "No OMS" to "IN & OUT," and restart Cubase.

1. Select [Options]-[Synchronization].

2. In the Synchronization dialog box, set MIDI Clock of Sync Out to "-IAC Bus #1" as shown in the illustration, and turn "On."
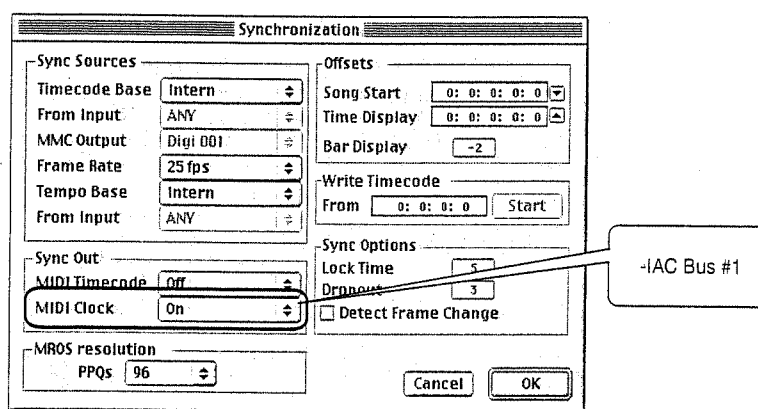
3. Click [OK].

Digital Performer settings

MEMO The explanation in this manual is for Digital Performer 2.6.1. Please be aware that differences in the software version may mean that the windows or menu items may be slightly different.

MEMO If you are using FreeMIDI and Performer, open [FreeMIDI Setup], select [File]-[FreeMIDI Preferences], and check "Use OMS when available."

1. Choose [Basics]-[Transmit Sync].

2. In the Transmit Sync dialog box, select "-IAC Bus #1" in [Transmit beat clocks via port(s):] as shown in the illustration, and check "Generate MIDI beat clocks".
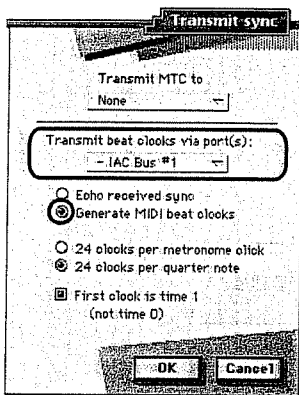
3. Click [OK].

Pro Tools settings

MEMO This document will explain the procedures for Pro Tools LE 5.0.1. Please be aware that the names of windows or menus could vary somewhat in other versions of the software.

NOTE If you intend to run Pro Tools and V-Producer simultaneously on the same Macintosh and plan to synchronize them, you must first launch Pro Tools and then start V-Producer. Pro Tools may not start up if another application that uses OMS (such as V-Producer) is already running.

1. Choose [MIDI] - [MIDI Beat Clock].

2. Check [Enable MIDI Beat Clock] and [-IAC Bus #1].

```
┌─────────────────────────────┐
│ ═══════ MIDI Beat Clock ═══════ │
│ ┌─ MIDI Beat Clock ──────────┐ │
│ │ ☑ Enable MIDI Beat Clock   │ │
│ │ ┌───────────────────────┐  │ │
│ │ │ ☐ FastLane            │  │ │
│ │ │ ☐ MIDI Express XT     │  │ │
│ │ │ ☑ - IAC Bus #1        │  │ │
│ │ │                       │  │ │
│ │ │                       │  │ │
│ │ └───────────────────────┘  │ │
│ └───────────────────────────┘ │
│  ┌────────┐      ┌─────────┐  │
│  │ Cancel │      │   OK    │  │
│  └────────┘      └─────────┘  │
└─────────────────────────────┘
```
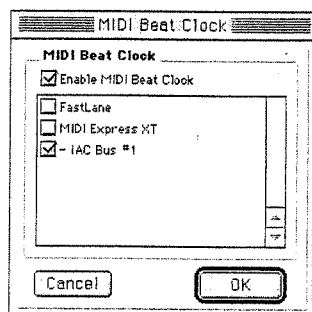
3. Click [OK].

Using SMF

If the CPU processing speed is insufficient, V-Producer may not synchronize accurately with another MIDI sequencer.

In such cases, save the song created by V-Producer as SMF, and load that file into your MIDI sequencer. Then use your MIDI sequencer to play the VP-9000.

This allows you to create an ensemble with the VP-9000 and MIDI sound generators without using synchronization.

For details on saving a song as SMF, refer to "Saving in SMF format" (p. 39).

NOTE When using a MIDI sequencer to play SMF data created by V-Producer, **MIDI Clock data must be transmitted from the MIDI sequencer to the VP-9000** in order for the VP-9000 to synchronize to the tempo of the song. On the MIDI sequencer, set the MIDI clock transmission port to the MIDI port that is connected to the VP-9000. Also set the VP-9000 Performance mode Clock Source parameter (Clock Src) to MIDI.

When the VP-9000 samples do not match (Remap function)

For example, if you create a song in V-Producer and then modify the performance of the VP-9000, the order and number of samples in the VP-9000 will change. If you load the song into V-Producer in such a state, the song may play using the wrong samples. In such cases, use the Remap function.

From the [View] menu, execute [Remap List] to access the Remap List dialog box.
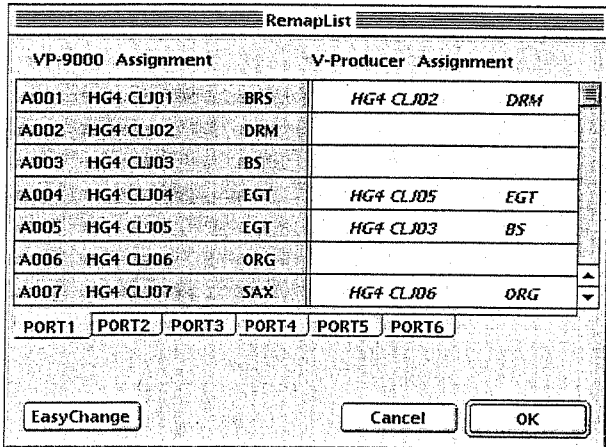
- (Left side) **VP-9000 Assignment**:   VP-9000 sample status
- (Right side) **V-Producer Assignment**: V-Producer sample status

As shown in the above diagram, the samples of the VP-9000 and V-Producer do not match. Use the following procedure to make the samples match, so that playback will occur correctly.

Remapping manually

1. Drag and drop the samples in V-Producer Assignment to change their order so that the left and right samples correspond correctly.
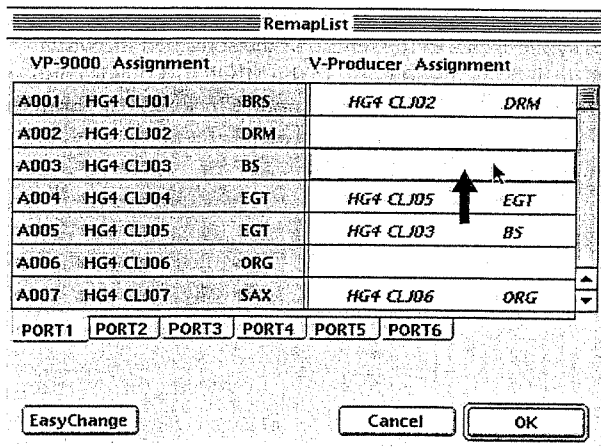
2. Click the [OK] button.

- [Cancel] button: Discard the remapped content and close the dialog box.

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Remapping automatically (EasyChange function)

[EasyChange] button uses the sample names to make the VP-9000 and V-Producer samples match automatically.

1. **Click the [EasyChange] button.**

The samples will be reordered as shown below, so that they correspond correctly.

RemapList					
VP-9000 Assignment			**V-Producer Assignment**		
A001	HG4 CLJ01	BRS	==	HG4 CLJ01	BRS
A002	HG4 CLJ02	DRM	==	HG4 CLJ02	DRM
A003	HG4 CLJ03	BS	==	HG4 CLJ03	BS
A004	HG4 CLJ04	EGT	==	HG4 CLJ04	EGT
A005	HG4 CLJ05	EGT	==	HG4 CLJ05	EGT
A006	HG4 CLJ06	ORG	==	HG4 CLJ06	ORG
A007	HG4 CLJ07	SAX	==	HG4 CLJ07	SAX

PORT1 PORT2 PORT3 PORT4 PORT5 PORT6

EasyChange   Cancel   OK

* *If samples used by a V-Producer song were deleted on the VP-9000, or the name of the corresponding sample cannot be found, the display will indicate "No Wave Data."*

2. **Click the [OK] button.**

NOTE Frames for which the Remap List indicates "NO WAVE DATA" (no VP-9000 sample) will be greyed out in the Main window after Remap is executed, and will not sound. In this case, load the sample for that frame into the VP-9000, and then re-assign it in the Remap List.
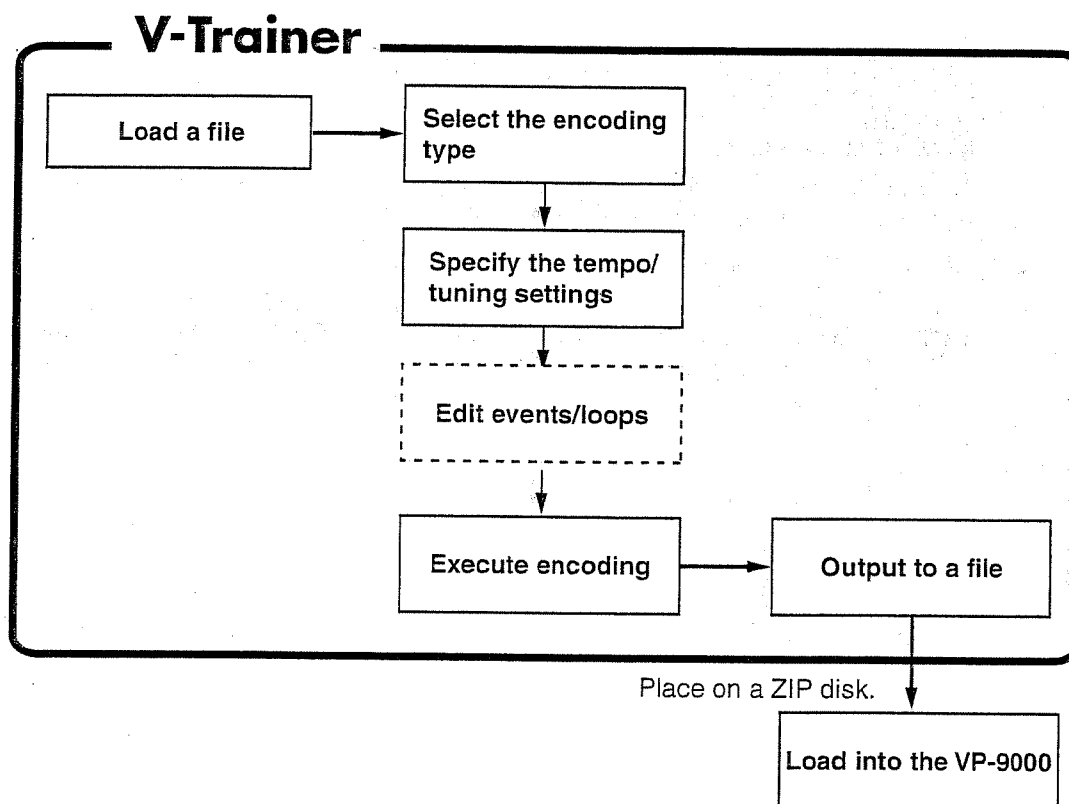
Encoding Files with the computer (V-Trainer)

If you would like more detailed information on V-Trainer, refer to the V-Trainer [Help]-[V-Trainer Help] menu.

What is V-Trainer?

V-Trainer is an application that converts (encodes) WAV files or AIFF files into VariPhrase Format files. You can use your mouse to add, delete, or move events within a wave, set the loop range and hold loop points, determine tempo and tuning. You can also use the Batch Conversion function to automate encoding multiple waves from and to multiple directories. V-Trainer allows you to efficiently encode audio data using your computer.
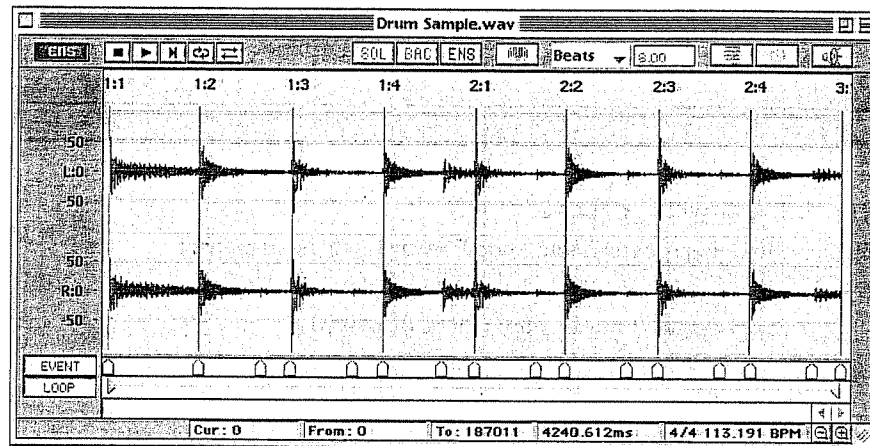
Work flow

This diagram shows the steps required to encode audio data using V-Trainer. There are several differences from the encoding process on the VP-9000, but the basic procedure is the same.

V-Trainer

```
┌─────────────┐      ┌─────────────────┐
│ Load a file │ ───▶ │ Select the encoding │
└─────────────┘      │ type            │
                     └─────────────────┘
                              │
                              ▼
                     ┌─────────────────┐
                     │ Specify the tempo/ │
                     │ tuning settings │
                     └─────────────────┘
                              │
                              ▼
                     ┌ ─ ─ ─ ─ ─ ─ ─ ─ ┐
                       Edit events/loops
                     └ ─ ─ ─ ─ ─ ─ ─ ─ ┘
                              │
                              ▼
                     ┌─────────────────┐      ┌─────────────────┐
                     │ Execute encoding │ ──▶ │ Output to a file │
                     └─────────────────┘      └─────────────────┘
                                                       │
                              Place on a ZIP disk.     ▼
                                              ┌─────────────────────┐
                                              │ Load into the VP-9000 │
                                              └─────────────────────┘
```
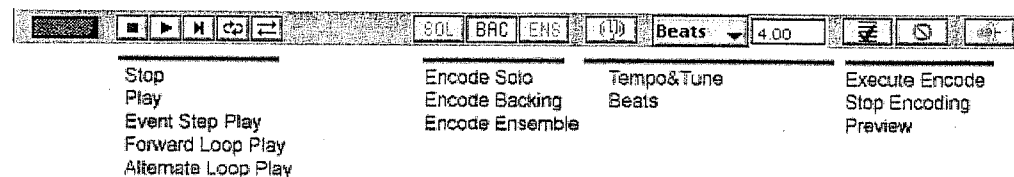
* *Your computer must have a Zip drive in order to exchange files with the VP-9000.*

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Screen components and their function

Tool bar

Stop	Encode Solo	Tempo&Tune	Execute Encode
Play	Encode Backing	Beats	Stop Encoding
Event Step Play	Encode Ensemble		Preview
Forward Loop Play			
Alternate Loop Play			

Encode indicator

When in Encode mode or when the wave has been encoded, this indicator will light, indicating that waveform editing such as cut and copy cannot be performed. If the data has already been encoded, the encode type will be displayed. In this case, the data cannot be re-encoded to a different encode type than displayed.
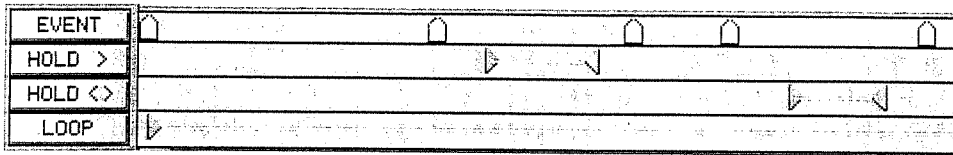This will be dark if the wave has not yet been encoded. In this case, you can perform waveform editing or select any encode type.

Lock button

If you click this button in Encode mode, the text will turn red, and the Lock function is activated. It will no longer be possible to move or delete events or loop points. Click it once again, and Lock will be released.
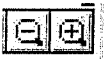
Event display area

In Encode mode, this area shows events and loop ranges.

- [EVENT]:   Events will be displayed
- [HOLD >]:   Hold loop points (Hold Loop Forward) will be displayed
- [HOLD <>]:   Hold loop points (Hold Loop Alternate) will be displayed
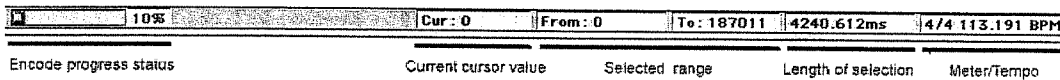- [LOOP]:   Loop ranges (Phrase Loop) will be displayed

* *[HOLD >] [HOLD <>] are displayed when setting Hold loop points.*

Zoom buttons

These are used to expand or shrink the waveform display in the horizontal direction.

Status bar

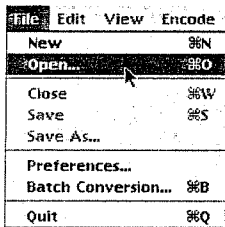| Encode progress status | Current cursor value | Selected range | Length of selection | Meter/Tempo |

Basic operation

Loading a file

First you will open a file from disk. To open a file, you can either select the File menu command Open.

When you do so, the Open dialog box will appear. Open the file that you wish to encode. For this example, you should open the [Drum Sample.wav] file, which can be found in the [VTrainer] folder.
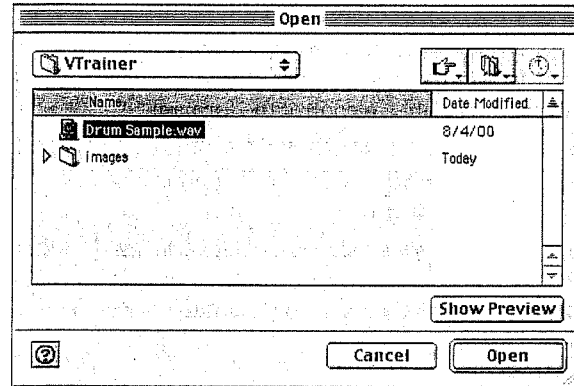
NOTE A file that has already been encoded of VP-9000 cannot be re-encoded as a different type. If you wish to re-encode the file as a different type, you must open the original file and re-encode it.

The following illustration shows the state when the WAV file is loaded. Note that the waveform is displayed in red here. The waveform will normally be displayed in red, but will be displayed in blue during encoding.

* *V-Trainer allows you to open multiple files simultaneously, but only one can be encoded at a time.*
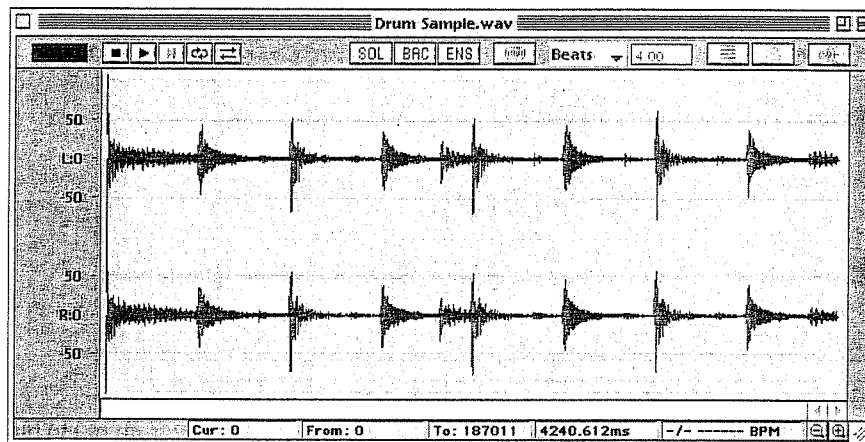

MEMO In this state, pressing the space bar will play back the entire waveform. By holding down the Shift key and pressing the space bar you can loop-playback the entire waveform.

Select the encode type

Now you're ready to start encoding. First, you need to select the encode type. Choose the encode type from the toolbar. The toolbar has three buttons, SOL/BAC/ENS, and these correspond respectively to the VP-9000 encode types Solo/Backing/Ensemble.

- SOL (SOLO):   This is suitable for monophonic vocals or monophonic wind instruments (such as sax, trumpet, or flute). If you encode the wave using this type, you will be able to control the formant.

- BAC (BACKING):   This is suitable for decay-type instruments. It is particularly suitable for phrases that include instruments with a clear attack (such as drums, percussion, and guitar chords).

- ENS (ENSEMBLE): This is suitable for sustain-type instruments. It is particularly suitable when there are smooth changes in tone (such as choir or strings). Of the three encode types, this is the type that is suitable for the widest variety of sounds.

* *If the data is encoded using BACKING or ENSEMBLE, it will not be possible to use the formant control or robot voice functions.*

* *Depending on the wave, encoding with SOLO may cause the sound to be different than you expect, such as changes in pitch being incorrect by one octave. If this occurs, re-encode the wave using BACKING or ENSEMBLE.*

* *If a wave that contains large amounts of reverb or delay is encoded using SOLO, it may not sound as you expect. If this occurs, re-encode the wave using BACKING or ENSEMBLE.*
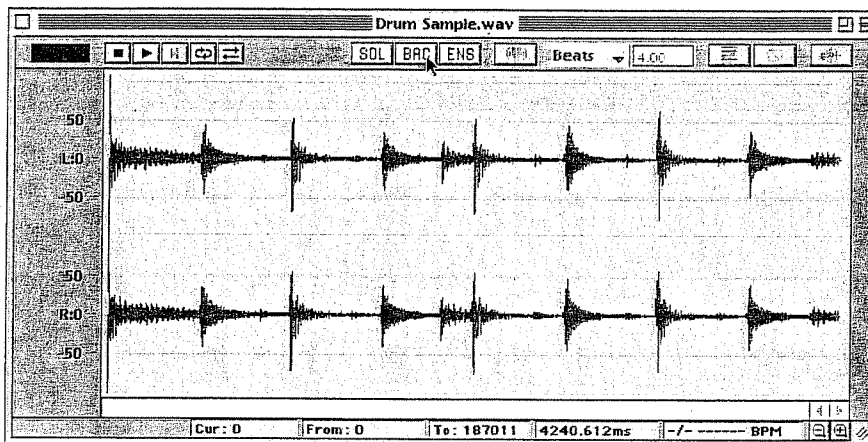
Once the encode type has been selected, the waveform display will change from red to blue. This shows that you've entered Encode mode.

When you enter Encode mode, it is no longer possible to perform audio editing operations such as Cut and Copy. To abort Encode mode, click the Stop Encoding button [🚫] in the toolbar.

Set the tempo

Next you will specify the number of beats in the wave.

* *The Tempo Sync function of the VP-9000 make it easy to match the tempo between parts. The tempo settings of each phrase are crucial when using these functions.*

The number of beats can be selected from the pull-down menu in the Beats field, or you can directly enter a numerical value. For example, in the case of 4/4, the number of beats would be 4 in the case of a one-measure phrase, or 8 in the case of a two-measure phrase.

If you do not know the number of beats but you already know the tempo (for example in the case of a vocal that you yourself recorded), directly specify the tempo in the Phrase Tempo, etc dialog box.

VP-9000 is able to easily match the pitch between parts. In order to do this, pitch data must be specified in the Phrase Tempo, etc dialog box.

(For details refer to the section "Tempo and tuning settings" (p. 59).)

Editing in Encode mode

When you enter Encode mode, markers will be displayed in the lower part of the screen. These are called events. Events consist of data that is needed when performing Event Step playback on the VP-9000, and can be freely edited as needed.
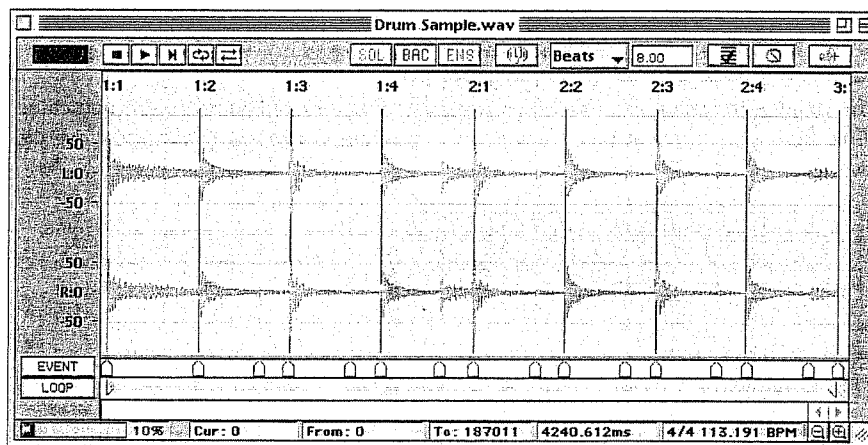
In Encode mode, you can also edit the loop region and hold loop points in addition to events.

Execute encoding

This completes the required settings, so you can now carry out the actual encoding. Click the Encode button [ ] located at the right of the toolbar, and encoding will be executed.
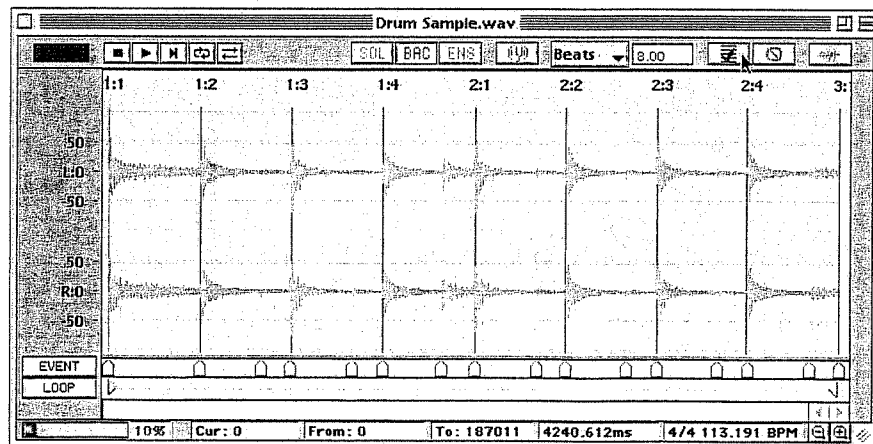
Specify the filename and the save destination

When you click the Encode button, the following dialog box will appear, allowing you to specify the filename. When you use V-Trainer, V-Trainer will automatically assign a filename according to the rules of the VP-9000, so you do not need to pay special attention to this. In this dialog box you can modify the name of the phrase (Name) and its category (Category) as desired.
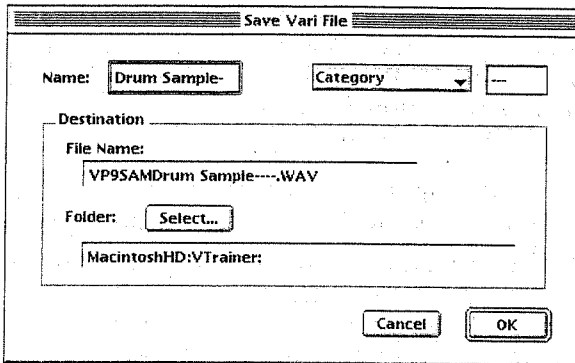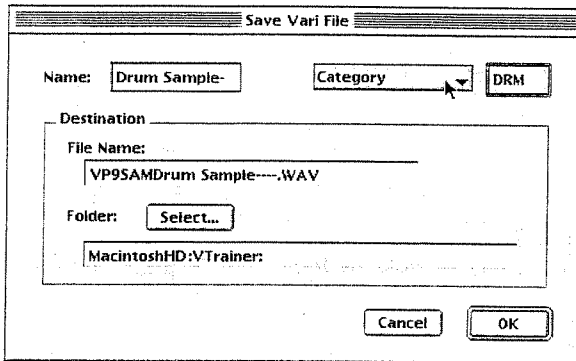
* *If you are re-encoding an already-encoded file, this dialog box will not be displayed.*

```
═══════════════ Save Vari File ═══════════════

   Name:  │Drum Sample-      │    │Category      ▼│ │---│
   ┌─Destination ───────────────────────────────────┐
   │   File Name:                                    │
   │      │VP9SAMDrum Sample----.WAV                 │
   │                                                 │
   │   Folder:   │ Select... │                       │
   │      │MacintoshHD:VTrainer:                     │
   └─────────────────────────────────────────────────┘
                          │ Cancel │   │   OK   │
```

Now, try modifying the category. Click the Category menu, and a list of pre-defined category types will be displayed. Since the file we are now encoding is a rhythm waveform, we will select DRM here.

```
═══════════════ Save Vari File ═══════════════

   Name:  │Drum Sample-      │    │Category      ▼│ │DRM│
   ┌─Destination ───────────────────────────────────┐
   │   File Name:                                    │
   │      │VP9SAMDrum Sample----.WAV                 │
   │                                                 │
   │   Folder:   │ Select... │                       │
   │      │MacintoshHD:VTrainer:                     │
   └─────────────────────────────────────────────────┘
                          │ Cancel │   │   OK   │
```

When you have finished making Name and Category settings, click the folder select button in the Destination field to select the save destination folder.
When you have finished making settings, click [OK]. When encoding is completed, the file will be saved automatically in the folder you specified here.

Finish encoding and preview

When encoding is finished, the waveform color will turn back to red, indicating that the process has been completed. The indicator in the upper left of the window will also light to indicate that the data has been encoded.

This completes the encoding process. When encoding is finished, you can preview the data within V-Trainer. By using the Preview function, you can hear how the data will sound when played back on the VP-9000.
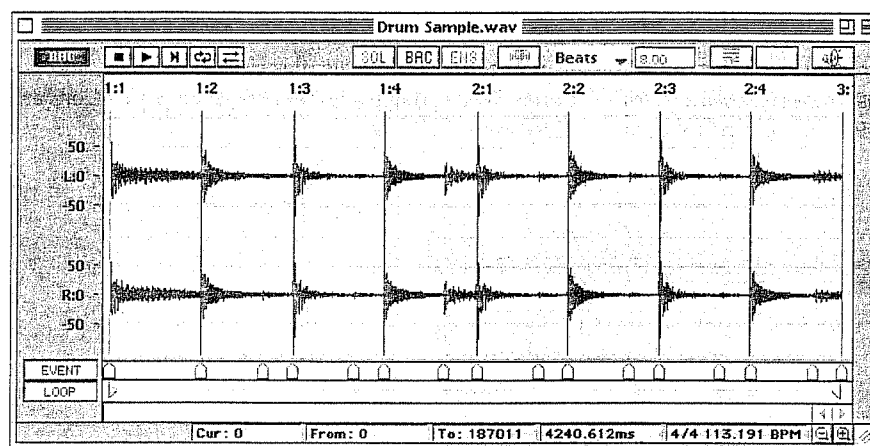
To use Preview, click the speaker icon [🔊] in the toolbar. When you do so, the following dialog box will appear. Set the Pitch, Time, and Format sliders at the desired values, and click Play. After a short time, playback will begin. Click Stop and playback will stop. If you check Phrase Loop, the loop region will be repeated once during playback.
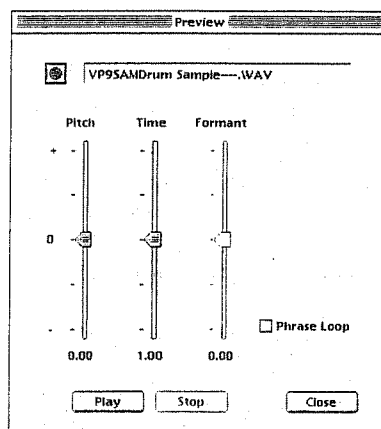
After you have listened to the sound, click [Close] to exit Preview.

* *Since V-Trainer uses the CPU to simulate the VariPhrase processing, a brief amount of time is required to produce the preview.*

Caution when re-encoding

Immediately after encoding is finished, or when you open an already-encoded file, an indicator in the upper left of the window will light to indicate that the file has already been encoded. A file that has already been encoded cannot be re-encoded as a different type. If you wish to re-encode the file as a different type, you must open the original file and re-encode it.

Loading the file into the VP-9000

Zip disks are used to exchange files between V-Trainer and the VP-9000, so you will need to connect a Zip drive to your computer. Encoded files are loaded into the VP-9000 via a Zip disk. Files encoded by V-Trainer are saved with a filename of VP9SAM***************.WAV. Copy these files to your Zip disk.

Next, insert this Zip disk into the Zip drive of the VP-9000, and in the DISK Load Menu file type selection, choose [SAMPLE] files and load them.

Batch Conversion

Batch Conversion is a function that lets you convert multiple files simultaneously, and is one of the most important features of V-Trainer. To use Batch Conversion, select Batch Conversion from the File menu. The following dialog box will appear.
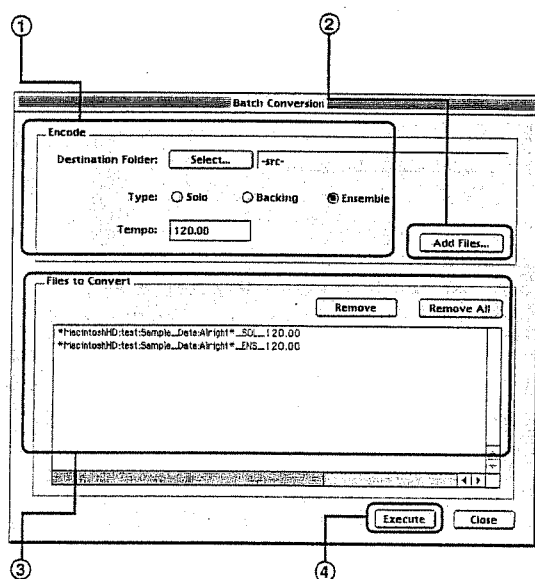

① Click the "Destination" [Select] button to select the location where the encoded phrase will be saved. By default, "-src-" appears here, which means that the encoded file will be saved in the same location as the original file.

For "Type:" click the appropriate radio button, thus selecting the type of file to be encoded.

In the "Tempo:" field, type in a numerical value to specify the tempo of the phrase to be encoded.

② Click [Add Files], and in the dialog box that appears, select the file(s) that you wish to encode. You can select multiple files by holding down the Shift key while clicking. The files you select will be added to the "Files to Convert" field (3). If you wish to encode phrases with a different tempo or encoding type, repeat the procedure from step (1).

③ The file name, encoding type, and tempo of the files to be encoded will be displayed. All files listed here will be converted together, in one batch. To remove a file from the list, click the [Remove] button. To remove all files from the list, click [Remove All].

④ Click the [Execute] button to begin the batch conversion. If you click the [Close] button, the Batch Conversion dialog box will close.

Tempo and tuning settings

The Tempo Sync function and Pitch Sync function of the VP-9000 make it easy to match the tempo or key between parts. The tempo and pitch settings of each phrase are crucial when using these functions.

In Encode mode, click the tuning fork icon | (ᵢⱼᵢ) | to access the Phrase Tempo, etc dialog box.
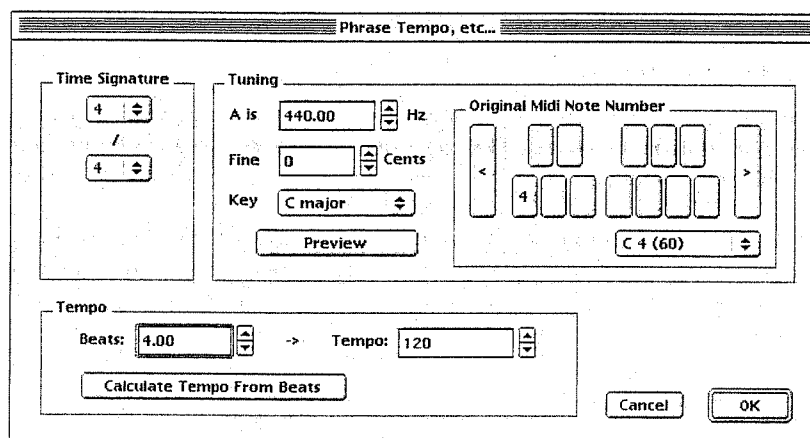
Here you can specify the meter (Time Signature), original pitch (Original MIDI Note Number), tuning (A is, Fine), original key (Key), and tempo (Tempo). In particular, you must be sure to set Tempo and Time Signature. Other setting items can be modified as necessary.

Time Signature

Specify the time signature of the phrase.

Tempo

Specify the tempo of the phrase. The tempo can be set in one of two ways.

- If you know the length of the phrase
  If you know that the phrase is a precise number of beats (or measures) long, input a numerical value in the Beats box and press the Calculate button to automatically calculate the tempo. For example, in the case of a two-measure with a 4/4 time signature, set Beats to 8 and then click the [Calculate Tempo From Beats] button.

- If you know the tempo of the phrase
  If you do not know the precise number of beats (or measures) in the phrase, such as for a vocal phrase, but do know the original tempo, you can directly input the value into Tempo. (You can also make fine adjustments later on the VP-9000.)

Tuning

We recommend that you set Tuning if you have detailed information on the phrase. If this is not the case, you may leave it at the default value. (This can also be adjusted later on the VP-9000.)

A is

Specify the frequency of A in Hz that was used when the phrase was sampled. By default this is 440.0 Hz, but (for example) if you know that the phrase was sampled at 442.0 Hz, you would enter 442.0 here. If this item is specified, phrases that were sampled at different "A" pitches will automatically be adjusted to match the master tuning of the VP-9000.

Fine

Make this setting if you need to make a fine adjustments relative to the value specified by "A is." The units are 1/100th of a semitone (i.e., 1 cent).

Key

Specify the key of the phrase. A list of the available values will appear in the pull-down menu for you to select. (This data is not used by the VP-9000.)

Original Midi Note Number

Specify the original note number of the phrase. If you do not specify anything, the default will be C4= 60. This value can either be selected from the pull-down menu, or can be input from the virtual keyboard in the display. Use the < and > located at the left and right to raise or lower the octave.

If you press the Preview Tuning button, a sine wave will be sounded at the specified tuning (A is, Fine, Original MIDI Note Number), allowing you to hear the pitch while you make settings.
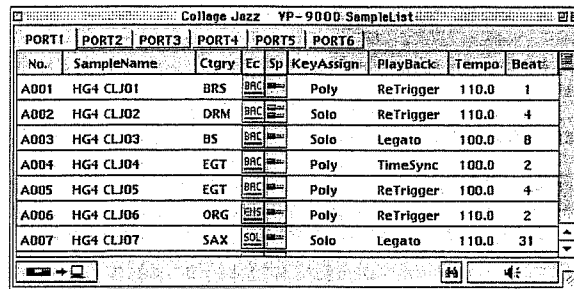
Reference

This chapter explains the functions of V-Producer, organized by screens and menus.

VP-9000 Sample List window

The VP-9000 sample list window displays a list of the samples loaded into the VP-9000. The displayed samples can be dragged and dropped into the main window to arrange them.
To open this window, click the VP-9000 sample list button (🖼) in the toolbar.

PORT1-PORT6 (port tabs)

`PORT1 PORT2 PORT3 PORT4 PORT5 PORT6`
Select the port that will be displayed.

Display area

The information of the samples loaded into V-Producer will be displayed here.

- No.: sample number
- SampleName: sample name
- Ctgry: sample category
- Ec: sample encode type (shown as an icon)
- Sp: stereo sample (🖼 icon), monaural sample (🖼 icon)
- Key Assign: key assign mode
- Playback: playback mode
- Tempo: original tempo of the sample
- Beat: number of beats in the sample

HINT

To sort the samples, click the title of the corresponding data item (number, name, etc.). Click once again to sort in reverse order.

DownLoad button

🖼

Received the sample information of the VP-9000.

HINT

The download button loads the settings of all samples. If you wish to update only the settings of a specific sample, [control]+click that sample, and choose "Refresh" from the menu that appears.

Search button

🖼

If this button is on, the corresponding sample will be highlighted when you click a sample that has been pasted in the main window.

Preview button

🖼

Audition the selected sample.
If a MIDI keyboard is connected, you can also play the sample from the keyboard.

HINT

Instead of the Preview button, you can also audition the sample by pressing the [P] key of your computer.

Editing the sample parameters

In the VP-9000 Sample List window you can edit the following VP-9000 sample parameters.

- Key Assign
- Playback
- Trigger
- Robot

* *These parameter settings will affect your editing of the phrase in the Phrase Scope.*

MEMO

For details on each parameter, refer to the VP-9000 manual.

1. Double-click the mouse on the sample that you wish to edit. Alternatively, [control]+click the sample that you wish to edit, and choose "Property" from the menu that appears.

The Property dialog box will appear.

2. Set the values in the Sample Mode and Sample Switch fields, and click [OK].

Locator

Locator contains various functions used to control the playback of V-Producer.
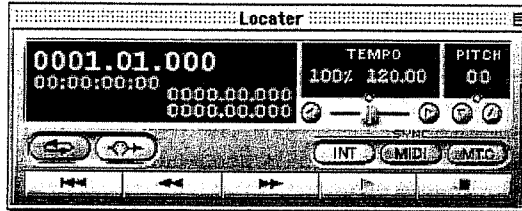
Time Display
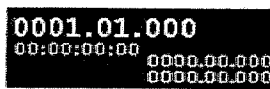
This shows the current time and the loop point.

Play button
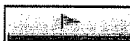
Play the song from the current time where the cursor is located.

If the synchronization mode is "MIDI" or "MTC," pressing the play button will make it blink, and the playback will be in standby mode.

In this state, playback can begin smoothly when the master external MIDI device sends a synchronization Start message to V-Producer.

HINT

If V-Producer is synchronized as a slave, it is not necessary to operate the play button. If the beginning of playback is delayed when a synchronized start occurs, then you can try pressing the play button to select standby mode.

Song top button

Move the current time to the beginning of the song.

Rewind button

Move the current time one measure back.

Fast-forward button

Move the current time one measure forward.

Stop button

Stop song playback.
If the play button is in standby mode, this will cancel standby mode.

TEMPO (tempo control)

Adjust the tempo of the song.
This operation can be performed even while the song is playing.
The tempo that is set here is an adjustment relative to the Master Tempo that is set in the main window.
Using this tempo control, you can modify the tempo in the range of 0.5–2.0 times the master tempo. If the tempo is faster (or slower) than the master tempo, the tempo will be displayed in red. The display area will show the amount of tempo change as a percentage (%) relative to the master tempo.
To return to the master tempo, click the reset button located above the slider.

PITCH (transpose control)

This transposes the overall playback pitch in semitone steps (a range of -1 octave – +1 octave).
If the pitch is transposed, the value in the display area will be shown in red.
To return to the original pitch, click the reset button.

INT button

Select internal synchronization mode.
Use this when you want V-Producer to be the master.
In internal synchronization mode, you can use all of the functions of the locator, such as using the tempo slider to adjust the tempo.

MIDI button

Select MIDI Sync mode. Use this when you want V-Producer to be the slave using MIDI clock.
In MIDI Sync mode, playback will not begin when you press the Play button; instead, V-Producer will be in standby mode. Playback start and stop will be controlled from the external MIDI device.
The tempo setting of V-Producer will be ignored, and the tempo will be controlled by the MIDI clock data from the external MIDI device.
If you want the tempo setting of V-Producer to be used, click INT to return to internal synchronization mode.

MTC button

Select MTC synchronization mode.
Use this when you wish to synchronize V-Producer to time code such as SMPTE, using a video recorder or audio recorder as the master.
In MTC synchronization mode, playback will not begin when you press the play button; instead, V-Producer will be in standby mode. Playback start and stop will be controlled from the external master device.
In MTC synchronization mode, the tempo will not synchronize, so you can adjust the tempo of V-Producer in the usual way.

Loop button

Loop mode will be turned on, and the loop marker will be displayed in the time ruler of the main window or phrase scope. In Loop mode, playback will repeat between the beginning and end of the loop marker.

MIDI Thru button

Turn this on if you want to play the VP-9000 from a MIDI keyboard connected to your computer.

NOTE

If you are using another MIDI sequencer simultaneously with V-Producer, the VP-9000 may sound in duplicate if the MIDI Thru of your MIDI sequencer is also turned on. If this occurs, turn off the MIDI Thru button.

Main window

The main window is where you create songs. It also contains numerous functions for editing frames.
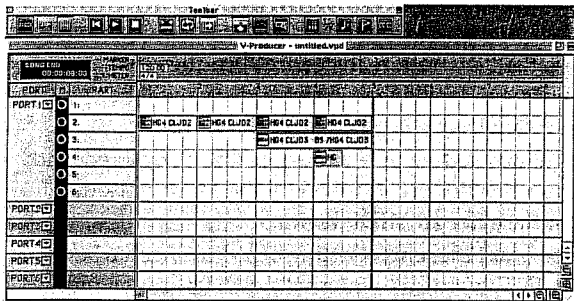
PORT

This corresponds to the port to which the VP-9000 is connected. Each port has six parts, corresponding to the parts of the VP-9000.

By clicking the ⬛ button in the PORT area you can view or hide parts.

The port selected for MIDI Device in the MIDI Device dialog box will automatically be displayed when V-Producer is started.

M (mute)

Mute a part. To defeat muting, click the button once again.

PART

When you click the part area (or a location in the main window where no frame has been placed), the part you clicked will be highlighted and will be the current part.

If you double-click the part area, here you can assign a name to the part.

From the menu that appears when you hold down the [Control] key and click in the PART area, you can choose "Delete Part" to delete all frames of the part.

SONG END

This indicates the length of the song. If you double-click this area, the "Time Fit" dialog box will appear. The "Time Fit" dialog box allows you to enter the desired length for a song, after which the tempo will be re-calculated to make the song fit a specific time.

MARKER area

This shows markers in the song.

To add a marker to a desired location in the song, double-click this area to open the Add Marker dialog box. Markers you add can be edited or deleted in the Marker List (p. 66). Alternatively, you can edit or delete them by using the [Set Marker] or [Del Marker] commands in the menu that appears when you [control]+click.

TEMPO area

This shows the tempo of the song.

If you want the tempo to change during the song, double-click this area to open the Add Tempo dialog box, and add tempo data.

The tempo data you added can be edited or deleted in the Tempo List (p. 66). Alternatively, you can edit or delete it by using the [Set Tempo] or [Del Tempo] commands in the menu that appears when you [control]+click.

METER area

This displays the time signature of the song.

If you want the time signature to change during the song, double-click this area to open the Add Meter dialog box, and add the desired time signature data. You can edit this data by using the [Set Meter] or [Del Meter] commands in the menu that appears when you [control]+click.

Time ruler

This displays the measure numbers and beats on a grid.
The size of the display grid can be expanded or
contracted using the magnifying glass button ( )
located at the lower right of the main window.
To switch the time ruler display to units of time,
[control]+click on the time ruler and select [Song Time].
To return to the measure number and beat display,
select [Meas/Beat].
By dragging the mouse on the time ruler, you can select
the corresponding region and any frames included in
that region.

Current time (play cursor)

This is a vertical line that moves in the main window
according to the song playback location.
To move the current time, click on the desired location
in the time ruler (or on a part of the main window in
which a frame has not been placed).

Tool bar

Add Tempo From Phrase Tempo

(input phrase tempo)

Input the original tempo of the selected frame into the
current time location as the master tempo.
Use this when you wish to change the song tempo to
the original tempo of the frame.

Add Tempo From Relative Tempo

(input locator tempo)

Input the tempo of the location specified by the locator
into the current time location as the master tempo.

GridSnap Sw (grid snap)

Turn this on if you want frame placement and range
selection to occur in grid units.
When you drag a frame, it will move in grid units. For
example, if you have intentionally placed a frame a
16th note earlier, setting the grid width to one measure
will allow you to move the frame in one-measure steps
while preserving the 16th note time offset.

Rewind (song top) button

Move the current time to the beginning of the song.

Play button

Play back.
Playback will begin from the current time.

Stop button

Stop playback.

Quick Loop position

You can set the selected region as the loop region.
Select a frame and click the Quick Loop button in the
tool bar. The loop region will be set to the beginning
and end of the frame. Alternatively, you can drag over
the time ruler to select a region, and click the Quick
Loop button to set that region as the loop region. The
loop marker displayed in the time ruler can be dragged
to left or right to move the start point and end point of
the loop.

LoopPlay Sw

This selects loop playback (repeated playback between
the beginning and end of the loop marker).
The loop marker will be displayed in the time ruler of
the main window and phrase scope window.

AutoScroll

Turn this on when you want the window to scroll along
with the song playback location.

VP-9000 Sample List

Open the VP-9000 sample list window (p. 61).

PhraseScope

Open the Phrase Scope (p. 67).

Frame Property ▣

Open the Frame Property window.
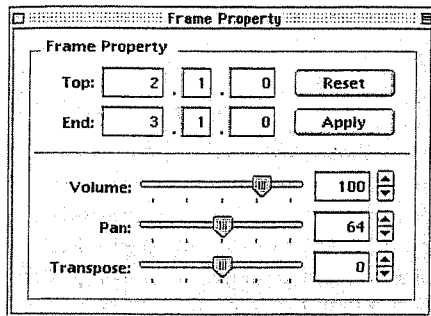
In the Frame Property window you can change the settings of the selected frame (enclosed in a red border).

- Top: frame location (beginning)
- End: frame location (end)
- Reset: Return the frame length to the original length of the sample. At this time, the length will change relative to the Top location. If you use the frame scope to change the time, the length of the frame will be updated to a length corresponding to the changed time.
- Apply: Update the frame length to the length specified by Top and End.
- Volume: Adjust the volume (0–127) of the frame.
- Pan: Adjust the panning (left: 0– center:64–right:127) of the frame.
- Transpose: Transpose the pitch in semitone steps. Use the slider to adjust in the range of -1– +1 octaves, or use numeric input to edit in 127 steps).

Mixer ▣

Open the Mixer window (p. 71).

Tempo List ▣

Open the Tempo List window.
This displays all tempo data of the song.
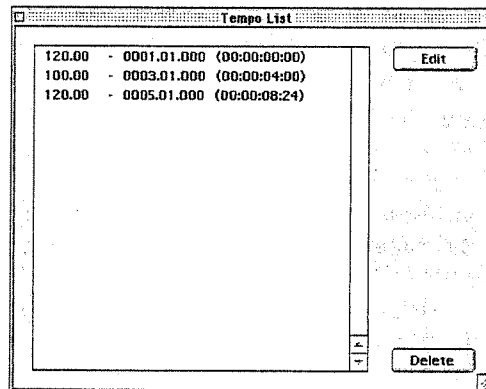
- [Edit]: Modify the selected tempo data.
- [Delete]: Delete the selected tempo data.

Marker List ▣

Open the Marker List window.
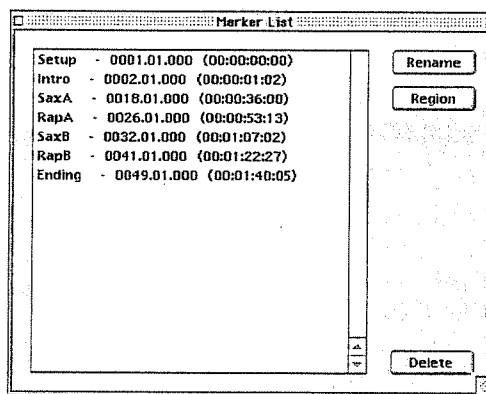
- [Rename]: Change the name of the selected marker.
- [Region]: Select the region between the currently selected marker and the next marker.
- [Delete]: Delete the selected marker.

SMPTE Display ▣

Open the SMPTE display (p. 80).

Phrase Scope
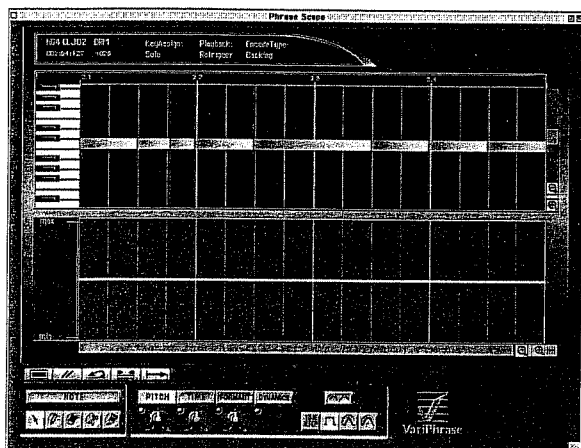
In the Phrase Scope you can edit the musical data (phrase) within a frame.

You can edit the pitch, time, formant and Dynamics of the phrase, and edit the notes that play the phrase.

Data display area

This displays information for the sample. From the left, this area shows the sample name, Key Assign, Playback, and EncodeType settings.

* For details on each parameter, refer to the VP-9000 reference.

When the cursor is in the editing area, data on the cursor location (the values of the horizontal axis and vertical axis) will be displayed.

Time Ruler

The measure numbers and beats are displayed here as a grid.

The size of the grid can be expanded or contracted using the magnifying glass button ( ) located at the lower right of the phrase scope.

HINT

To view in units of time, choose [Song Time] from the menu that appears when you [control]+click on the time ruler.

To return to the measure number and beat display, choose [Meas/Beat].

Event display area
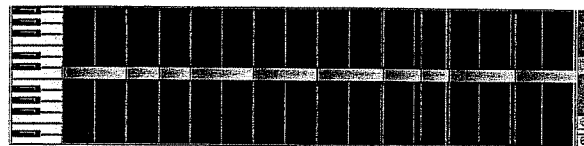
This area displays the events within the encoded sample.

Events

The area between two blue lines is called an event. The blue lines indicate event boundaries.

When playing from the middle of a phrase, the sound will begin from the location of a blue line.

Pitch display area
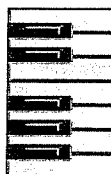
- **Samples encoded as SOLO type:**
  Each event will be displayed at the corresponding note pitch.

* Event note pitches are only a general guideline, and may not be correct for some samples.

- **Notes edited using the phrase scope:**
  Each event will be displayed at the corresponding note pitch.

Scroll bar

Adjust the displayed portion in the event display area. You can use the magnifying glass buttons to expand or contract the display. To expand/contract continuously, hold down the button between the magnifying glass buttons and drag the mouse.

Editing area
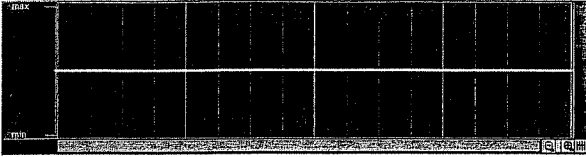
Here you can edit the pitch, time, formant, note, and dynamics parameters.

When editing pitch, time, formant, and dynamics, a horizontal line will be displayed. When editing the note, a note bar will be displayed. These can be edited directly using the mouse.

Note pitch display area
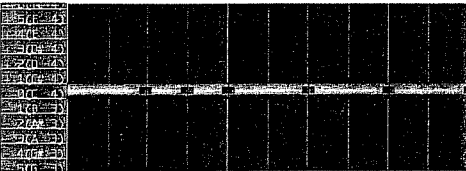
When editing notes, this will appear at the left of the window.

This indicates the note that will play the phrase.

Grid snap button

Turn this on if you want range selections and note editing to occur in grid units.

Scroll bar

Adjust the displayed portion in the editing area.

You can use the magnifying glass buttons to expand or contract the display. To expand/contract continuously, hold down the button between the magnifying glass buttons and drag the mouse.

MEMO

To adjust the displayed size of the event display area and editing area, use the mouse to drag the boundary up or down.

Tool buttons

These buttons provide various convenient functions for editing in the phrase scope.

Select All

Select all of the currently edited phrase. If the entire phrase is selected, clicking this will defeat the selection.

Reset

Return the selected region to the default values.

Undo

Cancel the previously performed operation, returning the data to its previous state.

Quick Loop position

This sets the loop region as the selected region.

This has the same function as the Quick Loop position button in the tool bar of the main window.

AutoScroll

Turn this on if you want the screen to scroll according to the song playback location.

Controller section

Here you can change the parameters displayed in the editing area, and select the type of curve.

You can also turn the knobs to edit the parameters directly.

NOTE button

Select note editing mode.

By editing notes, you can edit the melody of a phrase or create chords. Notes corresponding to the number of events will be displayed in the editing area.

- Purple notes: MIDI notes used to play the phrase are displayed in purple.

- Blue notes: Newly added notes (such as when creating chords) are displayed in blue.

* *The default value of the note will be the original pitch of the sample (the key at which the sampled pitch will sound).*

* *When editing notes, go to the Sample List window and set the Playback mode of the sample to "LEGATO" or "TIME SYNC." If the Playback mode is "RETRIGGER," editing the note will cause the beginning of the sample to be played each time the pitch changes, and it will not be*

possible to play legato. To change the Playback mode, double-click the sample in the VP-9000 sample list window, and modify the value.

Arrow button

Use this in note edit mode. The following functions can be used.

- Changing the pitch: Drag the note up or down

* *If you wish to restrict the change to upward or downward movement, hold down the [Shift] key of the keyboard while you drag.*

HINT

By dragging the mouse up or down in the selected region, you can move all notes contained in that region up or down.

- Changing the location: Drag the note to left or right
- Creating a chord (copying a note):
  Hold down the [option] key of the keyboard, and drag the note up or down
- Changing the legato timing:Drag either end of a purple note to left or right
- Changing the length: Drag either end of a blue note to left or right

Add button

This is used in note edit mode. To add a note of the desired length, click and hold the mouse at the position where you wish to add the note, and drag to the right. The note you added will be displayed in blue.

Delete button

This is used in note edit mode. To delete a note, click that note.

* *Purple notes cannot be deleted.*

Divide button

This is used in note edit mode. To divide a note, click the mouse on the note at the place where you wish to divide it.

Join button

This is used in note edit mode. Move the two notes that you wish to join so that they are in the same horizontal plane, and click between them.

PITCH button

Edit the pitch (control change number 16).
The pitch will be indicated as a green line in the editing area, and can be freely modified using the mouse.

PITCH View button

This causes the pitch line to always be displayed in the edit area.

PITCH knob

Drag this up or down to change the pitch according to the selected curve.
This is linked with the PITCH knob of the VP-9000.

TIME button

Edit the time (control change number 17).
The time will be displayed as a light blue line in the editing area, and can be freely edited using the mouse.

TIME View button

This causes the time line to always be shown in the editing area.

TIME knob

Drag this up or down to modify the time according to the selected curve.
This is linked with the TIME knob of the VP-9000.

TIME KEEP button

When editing the time, turn the Time Keep function on if you want to preserve the length of the selected region when adjusting the editing curve.

This is convenient when you wish to edit time to create subtle nuances, but do not want to change the overall length.

* *You can use the Time Keep function when editing time in Curve Edit mode. The Time Keep function cannot be used in Anchor Point Edit mode.*

FORMANT button

If the sample was encoded as "SOLO," this will change the tonal character (formant: control change number 18).

The formant data will be displayed as a red line in the editing area, and can be freely adjusted using the mouse.

* *Formant can be edited only if the sample was encoded as "SOLO."*

The red line indicating the formant will not be displayed even if you press the FORMANT button.

FORMANT View button

This causes the formant line to always be displayed in the editing area.

FORMANT knob

Drag this up or down to adjust the formant according to the selected curve.

This is linked with the FORMANT knob of the VP-9000.

DYNAMICS button

Edit the volume (control change number 11: expression).

Dynamics will be shown by a yellow line in the editing area, and can be freely adjusted using the mouse.

DYNAMICS View button

This causes the dynamics line to always be displayed in the editing area.

Curve edit buttons

These buttons select Curve Edit mode, in which you can use curves to edit the time/pitch/formant/dynamics.

To edit the parameter, select the region that you wish to edit and then use the mouse to drag it directly, or turn the TIME/PITCH/FORMANT knobs. You can choose one of three curves to specify how the parameter will change. To select the type of curve, click one of the flat, linear, or curve buttons in the controller area.

* Flat: Increase or decrease the parameter uniformly.
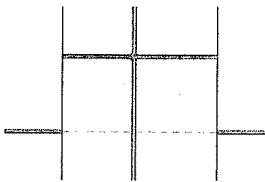
* Linear: Increase or decrease the parameter linearly.
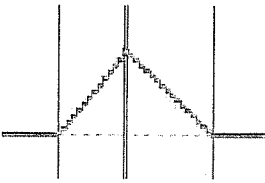
* Curve: Increase or decrease the parameter according to the curve.
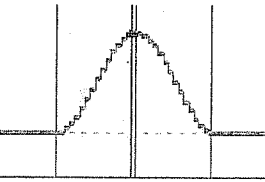
Anchor point editing buttons

Select Anchor Point Edit mode, in which you can use anchor points to edit time/pitch/formant/dynamics.

* Add: Double-click on the parameter line

* *An anchor point will not be added if you double-click on the selected range.*

* Move: Click the anchor point that you wish to move, and drag it to the desired location.

* Delete: While holding down the [Option] key of the keyboard, click the anchor point that you wish to delete.

Mixer window

Here you can adjust the level, pan, and effect depth for each of the VP-9000's six parts.

This window will open when you click the mixer button 🔳 in the toolbar.

HINT

The settings of the Mixer window or Effect window are not saved in the V-Producer song file. If you have modified the mixer or effect settings, you must save them as a performance to a Zip disk on the VP-9000. Even after temporarily exiting V-Producer, you can reload this performance back into the VP-9000 and click the update button to restore the Mixer window and Effect window to their previous state.
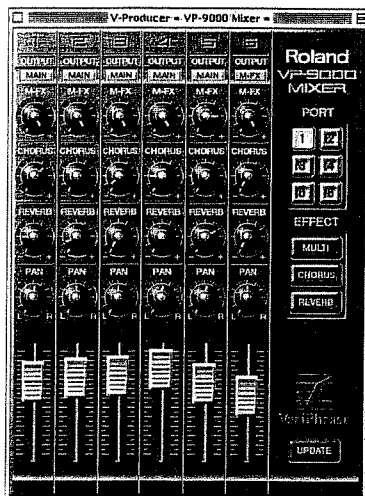
PORT (port select)

Use buttons 1–6 to specify the port of the VP-9000 that you wish to control.

The Mixer window and Effect window will control the VP-9000 of the port that is selected here.

MEMO

- In the [Option]-[MIDI Device] menu of the mixer, you can make MIDI device settings for the mixer. Normally, when using this with V-Producer, set "Use V-Producer's MIDI settings at startup" (default: ON) to ON. (* This setting will take effect when the Mixer application is started up.)

- The dialog box that is accessed from the Mixer [Option]-[MIDI Device] menu contains an Option area with an item entitled "Quit Mixer when V-Producer quits" (default: ON), which automatically causes the Mixer application to quit when you quit V-Producer. When using the Mixer with V-Producer, you will normally leave this setting ON.

UPDATE

Load settings from the VP-9000 of the port selected by the port select buttons.

This will cause the parameters of the Mixer window and Effect window to match the state of the VP-9000 itself.

EFFECT

Open the effect window (p. 72) for the corresponding button.

OUTPUT (output assign)

Specify the output destination of the direct sound.

- MAIN: Output to reverb, chorus, and the VP-9000's OUTPUT "MAIN OUT" jacks.

- M-FX: Output to reverb, chorus, and multi-effect. Use this setting if you are using multi-effects.

- DIR1: Output to the VP-9000's OUTPUT "DIRECT OUT 1" jack.

- DIR2: Output to the VP-9000's OUTPUT "DIRECT OUT 2" jack.

M-FX (multi-effect send level)

Adjust the depth of the multi-effect.

* *This setting is valid only if output assign is set to "M-FX."*

CHORUS (chorus send level)
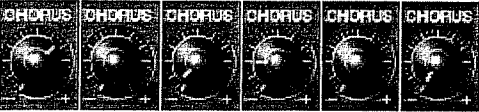
Adjust the chorus depth.

* *This setting is ignored if output assign is set to "DIR1" or "DIR2."*

REVERB (reverb send level)
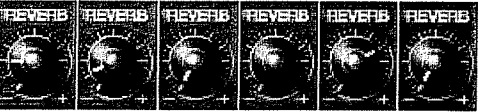
Adjust the reverb depth.

* *This setting is ignored if output assign is set to "DIR1" or "DIR2."*

PAN (panpot)
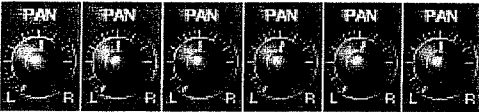
Adjust the stereo position of each part.

Slider (level)
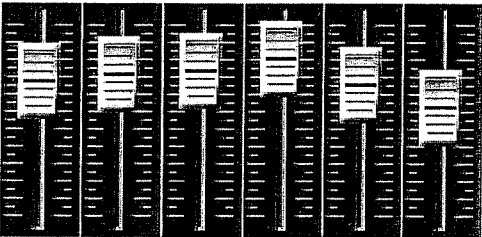
Adjust the volume of each part.

Effect window

Here you can control the VP-9000's internal effects (multi-effect, chorus, reverb).
This will open when you click the effect button of the Mixer window.

HINT

The settings of the Effect window are not saved in the V-Producer song file. If you have modified the mixer or effect settings, you must save them as a performance to a Zip disk on the VP-9000. Even after temporarily exiting V-Producer, you can reload this performance back into the VP-9000 and click the update button of the mixer to restore the Mixer window and Effect window to their previous state.

MEMO

For details on the parameters of each effect, refer to the VP-9000 reference.

Multi-effect

ON/OFF switch

Turn the multi-effect on/off.

Effect type select button

Select the type of multi-effect.

Effect type list display

TYPE ▽

This displays a list of the effect types.
To switch the effect type, refer to "Switching the effect type" (p. 42).

Multi-FX Out Assign
(multi-effect output assign)

Multi-FX Out Assign ◦ MAIN ◦ DIR 1 ◦ DIR 2

Specify the output destination of the sound that has passed through the multi-effect.

- MAIN: Output to the VP-9000's OUTPUT "MAIN OUT" jacks.
- DIR1: Output to the VP-9000's OUTPUT "DIRECT OUT 1" jack.
- DIR2: Output to the VP-9000's OUTPUT "DIRECT OUT 2" jack.

Master Level (multi-effect master level)

Master Level

Specify the volume of the sound that has passed through the multi-effect.

Cho Send Level
(multi-effect chorus send level)

Cho Send Level

Specify the depth of chorus that will be applied to the sound that has passed through the multi-effect.

Rev Send Level
(multi-effect reverb send level)

Rev Send Level

Specify the depth of reverb that will be applied to the sound that has passed through the multi-effect.
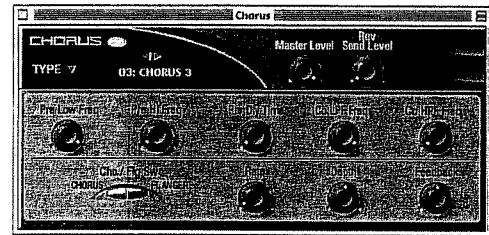
Chorus

ON/OFF switch

Turn chorus on/off.

Effect type select button

Switch the type of chorus.

Effect type list display

TYPE ▽

This displays a list of the effect types. To switch the effect type, refer to "Switching the effect type" (p. 42).

Master Level (chorus master level)

Master Level

Specify the volume of the sound that has passed through the chorus.

Rev Send Level (chorus reverb send level)

Rev Send Level

Specify the depth of reverb that will be applied to the sound that has passed through the chorus.

Reverb
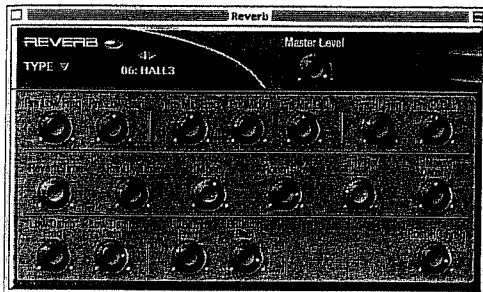
ON/OFF switch

Turn reverb on/off.

Effect type select button

Change the type of reverb.

Effect type list display

This displays a list of the effect types. To switch the effect type, refer to "Switching the effect type" (p. 42).

Master Level (reverb master level)

Specify the volume of the sound that has passed through reverb.

Menu reference

File menu

New

Create a new song.

→ shortcut: [command]+[N]

* *If you click this menu while you are working on a song, a dialog box will ask you whether you wish to save that song. Click [Yes] to save, or [No] if you do not wish to save it.*

Open

Load a song.

V-Producer can load songs that are in the V-Producer file format.

When open the V-Producer's file of Windows, choose [All Documents] in the [Show] field.

→ shortcut: [command]+[O]

* *If you click this menu while you are working on a song, a dialog box will ask you whether you wish to save that song. Click [Yes] to save, or [No] if you do not wish to save it.*

Save

Save the song by overwriting it.

The song will be saved in V-Producer format.

→ shortcut: [command]+[S]

NOTE

- V-Producer cannot save VP-9000 performance or sample settings. When you use V-Producer to create a song, you must also save the performance to a Zip disk on the VP-9000.

- Before opening a previously saved song in V-Producer, you must first load the VP-9000 performance used for that song into the VP-9000.

Save As

Save the song under a different name.

If you save a song under a different name, the original file will remain as it was.

Export SMF

Save the song as SMF format.
If a song is saved in SMF format, you will be able to load it into other software.

NOTE

* A song saved in SMF format cannot be loaded back into V-Producer.

* When the SMF data is loaded by some sequencers, the appropriate settings might not be made for the VP-9000. In order to avoid this problem, you should save the VP-9000 performance to a Zip disk at the same time that you save the SMF data. Before playing this SMF on another sequencer, load the saved VP-9000 performance back into the VP-9000.

* When using a MIDI sequencer to play back SMF data created by V-Producer, MIDI Clock data must be transmitted from the MIDI sequencer to the VP-9000 in order to synchronize the VP-9000 with the song tempo. As the MIDI clock transmission port of the MIDI sequencer, specify the MIDI port to which the VP-9000 is connected. You must also set the VP-9000 Performance mode parameter Clock Source (Clock Src) to "MIDI."

Quit

Exit V-Producer.
If you click this menu while you are creating a song, a dialog box will ask you whether you wish to save the song. Click [Yes] to save, or [No] if you do not wish to save it.

→ **shortcut: [command]+[Q]**

Edit menu
Undo

Cancel the previously executed change, and return the data to its prior state.

* *Some operations cannot be undone. In such cases, the [Undo] command of the menu will be shown in gray, and cannot be selected.*

→ **shortcut: [command]+[Z]**

Cut

Delete the selected frame and place the original data in the clipboard.
The data in the clipboard can be pasted using the Paste command of the Edit menu.

→ **shortcut: [command]+[X]**

Copy

Place the selected frame in the clipboard.
The data in the clipboard can be pasted using the Paste command of the Edit menu.

→ **shortcut: [command]+[C]**

Paste

Paste the data in the clipboard into the current part on the main window, at the current time (normally the location where you clicked the mouse).

→ **shortcut: [command]+[V]**

Clear

Clear the selected frame.
Unlike the Cut command, the deleted data will not be placed in the clipboard.

→ **shortcut: [Delete]**

Repeat (multiple copy)

Copy the selected frame repeatedly.
With a frame selected, execute this command. The "Repeat Copy" dialog box will appear, allowing you to specify the number of repeats. The frame will be copied for the specified number of times, following the selected frame.

→ **shortcut: [command]+[R]**

Select All

Specify the region as extending from the beginning to the end of the song.

→ **shortcut: [command]+[A]**

Select Region

Specify the beginning (Region Top) and end (Region End) of the selected region in measure/beat/tick units. Alternatively, you can press the [...] button in the Select Region dialog box and specify the region by time or by markers (instead of as measure/beat/tick).

Move Position

Move the current time (playback cursor) to the specified measure/beat/tick.
Alternatively, you can press the [...] button in the Move Position dialog box and user time or markers to specify the position (instead of as measure/beat/tick).

→ **shortcut: [J]**

Song menu

Song Info

The Song Info dialog box will appear, allowing you to input information such as Title, Copyright, Composer, VP-9000 performance, and Comment.

Set Tempo

The Add Tempo dialog box will appear, allowing you to add tempo data at the current time. Use this when you want the tempo to change in the middle of the song. Tempo data you add can be edited or deleted in the tempo list (p. 66). Tempo data you add can also be edited or deleted using the "Set Tempo" or "Delete Tempo" commands that appear when you [control]+click the added tempo data (shown in the TEMPO area of the main window).

Set Meter

The Add Meter dialog box will appear, allowing you to add time signature data at the current time. Use this when you wish to change the time signature during the song. This data can be edited or deleted using the "Set Meter" or "Del Meter" commands that appear when you [control]+click the added time signature data (displayed in the METER area of the main window).

Set Marker

The Add Marker dialog box will appear, allowing you to add a marker at the current time.
The added marker can be edited or deleted in the marker list (p. 66). It can also be edited or deleted using the "Set Marker" or "Del Marker" commands that appear when you [control]+click the added marker (displayed in the MARKER area of the main window).

Quick Marker

This allows you to quickly add a marker at the current time.
The marker name will be "M" + a number. An added marker can be edited or deleted in the marker list (p. 66). It can also be edited or deleted using the "Set Marker" or "Del Marker" commands that appear when you [control]+click an added marker (displayed in the MARKER area of the main window).

→ shortcut: [M]

Del Tempo

Delete the tempo data of the current time.

Del Meter

Delete the time signature data of the current time.

Del Marker

Delete the marker of the current time.

Insert Measure

Insert the specified number of blank measures at the current time.

Delete Measure

Delete a specified number of measures that occur after the current time, and shift all succeeding measures earlier, filling the space formerly occupied by the measures that were deleted.

Add Tempo From Relative Tempo

The tempo specified by the locator will be input into the current time as the master tempo.

Add Tempo From Phrase Tempo

Input the original tempo of the selected frame into the current time as the master tempo.
Use this when you want to change the song tempo to the original tempo of the frame.

Transpose

Transpose the pitch of all frames in the selected region in semitone steps (-1—+1 octave). Executing this command will increase or decrease the Transpose value in Frame Properties.

Time Fit

This displays the "Time Fit" dialog box. The "Time Fit" dialog box allows you to enter a desired song length, and the tempo will be re-calculated so the song fits into the time specified.

Play menu

Play

Play the song from the current time.
If the synchronization mode is "MIDI" or "MTC," pressing the play button will cause the button to blink, and V-Producer will enter standby mode. In this state, playback will begin smoothly when V-Producer receives a Start message from the external MIDI device that is acting as the master.

HINT

When V-Producer is being used as a synchronization slave, it is not necessary to operate the play button. If the beginning of playback is delayed for a synchronized start, you can press the play button to use standby mode.

→ shortcut: [space]

Stop

Stop song playback.
If the play button is in standby mode, clicking the stop button will cancel standby mode.

→ **shortcut: [space]**

Rewind

Move the current time to the beginning of the song.

→ **shortcut: [W]**

Prev Marker

Move the current time to the previous marker.

→ **shortcut: [command]+[pg up]**

Next Marker

Move the current time to the next marker.

→ **shortcut: [command]+[pg dn]**

Loop Position

Specify the beginning (Region Top) and end (Region End) of the loop region in measure/beat/tick units.
By pressing the [...] button in the Loop Position dialog box, you can set this using time or markers (instead of measure/beat/tick units).
When you specify looping, the loop marker will be displayed in the time ruler. To move them, drag the loop start point or end point to left or right.

→ **shortcut: [command]+[L]**

Quick Loop position

This lets you set the selected region as the loop region. To set the beginning and end of the frame as the loop region, select the frame and then execute this command. To set a desired region as the loop region, drag over the time ruler to select a region, and then execute this command. The loop marker displayed in the time ruler can be dragged to left or right to move the start point and end point of the loop.

→ **shortcut: [Q]**

Loop

Turn loop mode on if you want playback to loop between the beginning and end of the loop marker (loop playback).
If this is checked, the loop marker will be displayed in the time ruler of the main window and phrase scope.

→ **shortcut: [L]**

MIDI Thru

Turn this on if you want to play the VP-9000 from a MIDI keyboard connected to your computer.

→ **shortcut: [T]**

NOTE

If another MIDI sequencer is being used simultaneously with V-Producer, turning MIDI Thru on for the MIDI sequencer as well may cause the VP-9000 to sound each note twice. If this occurs, turn off the MIDI Thru button.

Option menu

MIDI Device

Open the MIDI Device dialog box in which you can specify the MIDI port through which V-Producer will communicate with the VP-9000.
For details refer to "MIDI device settings" (p. 16).

MIDI Sync

Open the MIDI Sync dialog box in which you can make MIDI synchronization settings.
For details on synchronization, refer also to "Synchronization settings" (p. 81).
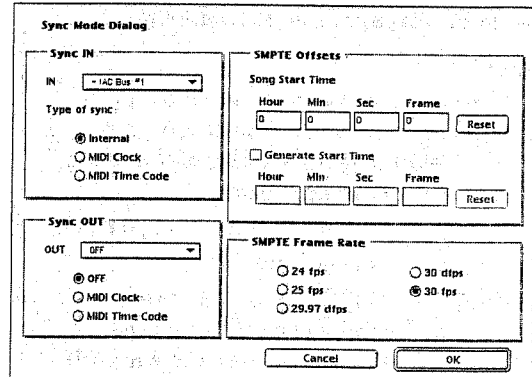
Sync IN

When using V-Producer as a synchronization slave, make settings for MIDI synchronization input.

IN: Select the port from which MIDI synchronization messages will be input.

Type of sync: Select the type of synchronization.

* **Internal**

   Internal synchronization mode. Select this when using V-Producer as the master. You will be able to use all of the Locator functions, such as using the tempo slider to adjust the tempo.

* **MIDI Clock**

   MIDI Sync mode. V-Producer will operate as a synchronization slave using MIDI Clock. Playback will not start when you press the play button; instead, V-Producer will enter standby mode. Playback start and stop will be performed from the external MIDI device. For details on this setting, refer to " Using V-Producer together with a MIDI sequencer" (p. 43).

* **MIDI Time Code**

   MTC synchronization mode. V-Producer will synchronize as a slave, using time code (e.g. SMPTE). Playback will not start when you press the play button; instead, V-Producer will enter standby mode. Playback start and stop will be controlled from an external master device.

Sync OUT

If using V-Producer as the synchronization master, make settings for MIDI synchronization output.

OUT: Select the port that will output MIDI synchronization data.

* OFF: MIDI synchronization data will not be output.

* MIDI Clock: MIDI Clock will be transmitted from the port selected by OUT. Use this when you wish to use MIDI Clock to synchronize an external MIDI device to V-Producer.

* MIDI Time Code: MIDI Time Code (MTC) will be transmitted from the port specified by OUT. Use this when you wish to use MTC to synchronize an external MIDI device to V-Producer.

* *If V-Producer is transmitting MIDI Time Code, it will continue outputting time code to the external device even after the song ends. For this reason, only when transmitting MIDI Time Code, V-Producer will continue playing rather than stopping at the end of the song.*

SMPTE Offsets

Song Start Time:

You to specify the starting time of the song.

The time display in the locator and the time displayed when you [control]+click the time ruler and choose [SongTime] is displayed relative to the time you specify for Sequence Top Time.

Generate Start Time:

If V-Producer is the synchronization master, you can specify the start time of the SMPTE time code that will be transmitted.

* *This setting is valid only if Sync IN:Internal, and Sync OUT:MIDI Time Code.*

* If the **Generate Start Time check box** is unchecked, Song Time based on the Song Top Time will be output as SMPTE time code, and playback will begin from the current location when you press the play button. You will normally use this mode.

* If the **Generate Start Time check box** is checked, the "Hour/Min/Sec/Frm" setting below it will be valid, allowing you to specify the start time of the SMPTE time code to be transmitted. In this case, when you press the play button, playback will begin from the start time you specify here, regardless of the current location.

Procedure

1. Check "Generate Start Time."

2. Input the starting time as "Hour/Min/Sec/Frm" (hours/minutes/seconds/frames).

3. Finally, click [OK].

* *To reset the start time to "0:0:0:0," click [Reset] and then click [OK].*

The SMPTE time code transmitted by V-Producer will be displayed in the SMPTE display.

HINT

If you want the external slave device to start before the V-Producer song, you can (for example) set the start time to "0:0:0:0," and set the sequence top time (p. 78) to "0:0:10:0." The V-Producer song will start playing ten seconds after you press the play button.

SMPTE Frame Rate

Specify the MTC frame rate transmitted by V-Producer.

- **24 fps:** Used for most film world-wide. We recommend that you use this setting for film projects in North America and Japan.

- **25 fps:** PAL/SECAM video, the rate used for video and film in countries that use 50 Hz AC power. We recommend that you use this setting when synchronizing to European video formats.

- **29.97 dfps (drop):** Used for North American and Japanese NTSC broadcast and long format video.

- **30 fps:** Used in most music projects, and some film in North America.

- **30 dfps (drop):** Non-standard types of time code are used on rare occasions to correct the speed or control the transfer of tape-based systems.

* *fps = frames per second*

* *NTSC = National Television Standards Committee (USA)*

Panic

You may need to resort to using this if the sound of the VP-9000 connected to V-Producer has "stuck" and will not stop playing.

GridSnap

Turn this on if you want frame placement and range selection to occur in grid units.

When you drag a frame to move it, it will move in units of the grid. For example, if you have intentionally placed a frame a 16th note earlier, setting the grid width to one measure will allow you to move the frame in one-measure steps while preserving the 16th note time offset.

→ **shortcut: [G]**

AutoScroll

Turn this on if you want the window to scroll according to the song playback location.

AutoAdjust

If you use the Repeat (repeated copy) operation, or repeatedly use the Paste operation on a frame, and if the length of the sample is several ticks longer (or shorter) than the measure length, the starting location of the repeatedly pasted frame will drift by several ticks from the bar line. If the Auto Adjust function is turned on, using Repeat or repeated Paste commands on a sample that is within 15 ticks of the measure length will cause the sample to be adjusted so that the Top Time of the frame matches the bar line when it is pasted.

Time Ruler

Switch the units of the time ruler in the main window, and of the time display in various lists.

- Song Time   hours:minutes:seconds:frames
- Meas/Beat   measures.beats.ticks

Customize Shortcut Keys

You can change V-Producer's keyboard shortcuts. In the Key field, double click to select the key whose shortcut you wish to change, and then use the keyboard of your computer to specify the desired shortcut. Finally, click [OK] to register the new shortcut.

- [Remove] button:Delete the selected shortcut

- [Cancel] button:Discard the changes and close the dialog box

- [Factory Settings] button:Revert to the factory-preset shortcuts

* *Since some key combinations are used by the system, it may be impossible to register or use them.*

View menu

VP-9000 Sample List
Open the VP-9000 sample list window (p. 61).

→ shortcut: [F5]

PhraseScope
Open the phrase scope (p. 67).

→ shortcut: [F6]

Frame Property
Open the frame property window (p. 66).

→ shortcut: [F7]

Mixer
Open the Mixer window (p. 71).

→ shortcut: [F8]

Tempo List
Open the Tempo List window (p. 66).

Marker List
Open the Marker List window (p. 66).

SMPTE Display
Open the SMPTE Display window.
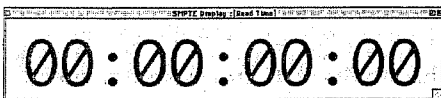
The SMPTE Display window displays the SMPTE Time.

* If V-Producer is generating SMPTE Time, the title
  bar will indicate [Generate Time].

* If SMPTE Time is being received from an external
  device, the title bar will indicate [Read Time].

Remap List
Open the remap list dialog (p. 48).

Tool Bar
This displays the Tool Bar (p. 65).

Help menu

Help

Open V-Producer help (on-line manual).

→ shortcut: [help]

Readme
Open the "V-Producer Readme" file.

Apple menu

About V-Producer
This shows the software version of V-Producer.

Appendices

Synchronization settings

V-Producer can use MIDI Clock or MTC (MIDI Time Code) to synchronize with various software or external devices. Here we will explain various methods of synchronization.

MIDI Clock synchronization with V-Producer as the slave

If you wish to synchronize V-Producer with a MIDI sequencer (such as Logic, Cubase, Digital Performer) installed on the same computer, this is the simplest and the recommended method. For the procedure, refer to " Using V-Producer together with a MIDI sequencer" (p. 43).

MTC synchronization with V-Producer as the slave

V-Producer can synchronize as an MTC slave.
Use the following procedure to make settings so that V-Producer will be controlled by MTC.

1. Choose [Option]-[MIDI Sync].

2. In the Sync Mode dialog box Sync IN area, set IN to the MIDI device that you wish to use for synchronization input.

* *If you wish to synchronize to a MIDI sequencer within the same computer, select "-IAC Bus #1" (IAC Driver) as the MIDI device. For details on the IAC Driver, refer to "About [IAC Driver]" (p. 11).*

3. In the Sync IN area, set "Type of sync" to "MIDI Time Code."

* *You can obtain the same result by pressing the locator [MTC] button.*

4. Click [OK]. V-Producer will now synchronize to the performance of the master device.

* *If the Sync mode is set to [MTC], it will not be possible to start playback from the locator. If you wish to start playback from the locator, set Sync mode to [INT].*

* *V-Producer requires approximately two seconds from when it receives MTC clock until it will begin synchronized playback. If you wish to synchronize V-Producer from the beginning of the song, insert two seconds or more blank space at the beginning of the song on the master device.*

> **MEMO** Since V-Producer will automatically set its reception SMPTE Frame Rate to match the transmitting device, you do not need to set V-Producer's SMPTE Frame Rate if V-Producer is functioning as a slave.

Master synchronization settings

For details on how to set your software or external device to be the MTC master, refer to the manual for your software or external device.
If you wish to use other software installed in the same computer as the master, and synchronize V-Producer to it, you should select [IAC Driver] as the MIDI device that transmits MTC. This allows you to synchronize without going through an external MIDI interface.

* *If you wish to synchronize to a MIDI sequencer within the same computer, select "-IAC Bus #1" (IAC Driver) as the MIDI device. For details on the IAC Driver, refer to "About [IAC Driver]" (p. 11).*

MIDI Clock synchronization with V-Producer as the master

1. Choose [Option]-[MIDI Sync].

2. In the Sync Mode dialog box Sync IN area, set "Type of sync" to "Internal."

* *Pressing the locator [INT] button will have the same result.*
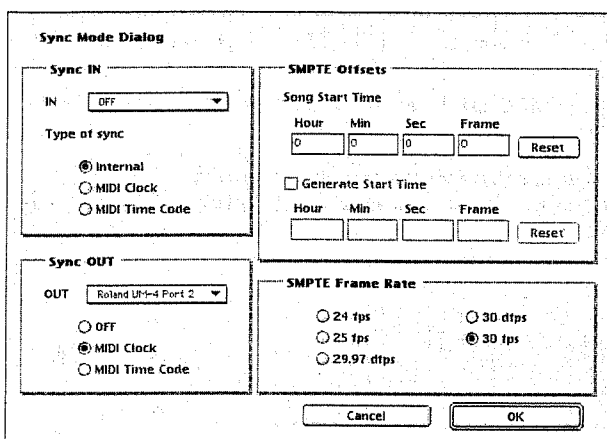
3. In the Sync OUT area, set OUT to the MIDI device that will be used for synchronization output.

4. In the Sync OUT area, choose MIDI Clock.

5. Click [OK]. Now V-Producer will transmit MIDI Clock as the master.

Slave synchronization settings

For details on making settings on your software or external device so that they can be used as MIDI Clock slaves, refer to the manual for your software or external device.

MTC synchronization with V-Producer as the master

1. Choose [Option]-[MIDI Sync].

2. In the Sync Mode dialog box Sync IN area, set "Type of sync" to "Internal."

   * *Pressing the locator [INT] button will have the same result.*

```
Sync Mode Dialog

┌─Sync IN────────────────┐   ┌─SMPTE Offsets──────────────────┐
│  IN    [ OFF        ▼]  │   │  Song Start Time                │
│                         │   │    Hour    Min    Sec   Frame   │
│  Type of sync           │   │    [0]    [0]    [0]   [0]  [Reset] │
│    ● Internal           │   │                                 │
│    ○ MIDI Clock         │   │  □ Generate Start Time          │
│    ○ MIDI Time Code     │   │    Hour    Min    Sec   Frame   │
│                         │   │    [  ] [  ] [  ] [  ]  [Reset] │
├─Sync OUT────────────────┤   ├─SMPTE Frame Rate───────────────┤
│  OUT  [Roland UM-4 Port 2 ▼]│   │    ○ 24 fps        ○ 30 dfps    │
│    ○ OFF                │   │    ○ 25 fps        ● 30 fps     │
│    ○ MIDI Clock         │   │    ○ 29.97 dfps                 │
│    ● MIDI Time Code     │   │                                 │
└─────────────────────────┘   └────────────────────────────────┘
                    [  Cancel  ]   [    OK    ]
```

3. In the Sync OUT area, set OUT to the MIDI device that you will use to output the synchronization messages.

4. In the Sync OUT area, select MIDI Time Code.

5. In the SMPTE Offsets area, specify the start time of the SMPTE time code that will be transmitted.

   MEMO For details on setting the SMPTE time code start time, refer to "SMPTE Offsets" (p. 78).

6. In the SMPTE Frame Rate area, specify the MTC frame rate that will be transmitted.

   MEMO For details on SMPTE Frame Rate, refer to "SMPTE Frame Rate" (p. 79).

7. Click [OK]. Now V-Producer will transmit MTC as the master.

Slave synchronization settings

For details on the settings for your other software or external device to function as an MTC slave, refer to the manual for your software or external device.

Example of synchronization with an external device (Roland VS series unit)

Here, as an example, we will explain how to synchronize V-Producer as a slave to a Roland VS series device. Synchronization can be accomplished using either MIDI Clock or MTC.

* *This example uses the VS-890. The basic settings are the same for other models in the VS series, but you may want to refer to the manual for your VS unit as you proceed.*

Connections

Use a MIDI cable to connect the VS-890's MIDI OUT/THRU connector to the MIDI IN connector of your MIDI interface.
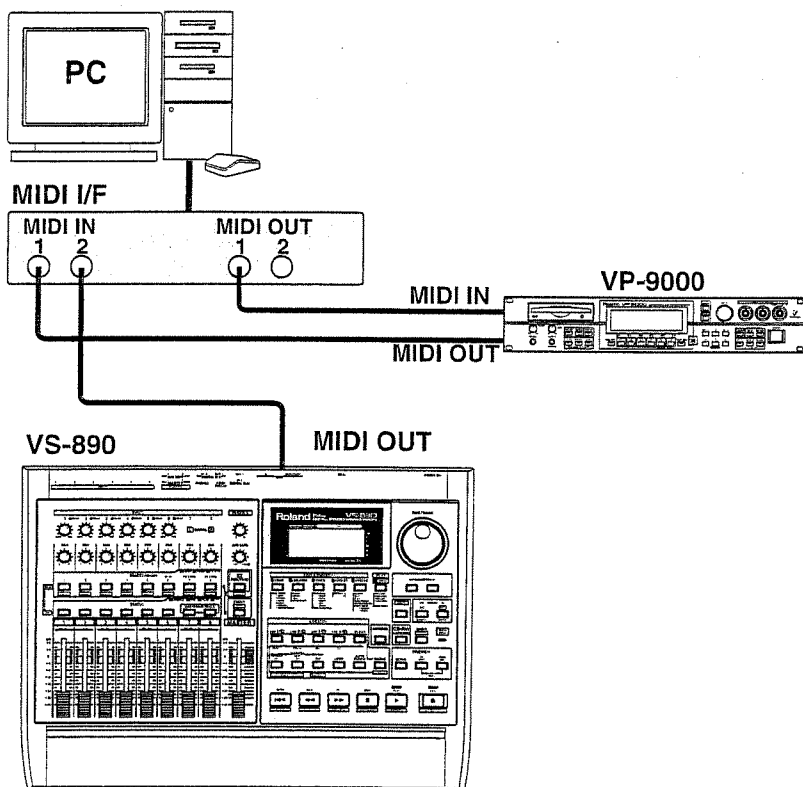
Using MIDI Clock to synchronize

1. **Make settings for the VS-890.**

Press the [SYSTEM] button, and set the parameters as follows.

- SYS MIDI PRM
  MIDIThr: Out
  CtrType: Off
- SYS SYNC/TEMPO
  Gen.:   MIDIclk

2. **In V-Producer, choose [Option]-[MIDI Sync]. In the Sync Mode dialog box Sync IN area, set IN to the port of the MIDI interface to which the VS-890 is connected. In the Sync IN area, set "Type of sync" to "MIDI Clock."**

After you have made the above settings, click the play button on V-Producer to enter standby mode. When you begin playback on the VS-890, V-Producer will also begin playback in synchronization.

Using MTC to synchronize

1. **Make settings for the VS-890.**

Press the [SYSTEM] button, and set the parameters as follows.

- SYS MIDI PRM
  MIDIThr: Out
  CtrType: Off
- SYS SYNC/TEMPO
  Gen.:   MTC
  MTC Type:select an MTC format such as **30**
  Tmap: select a tempo map

* *Later, the tempo specified by this tempo map must be input into V-Producer.*

NOTE V-Producer requires approximately two seconds from when it receives MTC clock until it will begin synchronized playback. If you wish to synchronize V-Producer from the beginning of the song, insert two seconds or more blank space at the beginning of the song on the VS.

2. **Into the V-Producer song, input the tempo specified by the VS-890 tempo map ([SYS SYNC/TEMPO]-[Tmap]).**

* *All the tempo data in the tempo map must be input into the same timing locations of the V-Producer song.*

3. **In V-Producer, choose [Option]-[MIDI Sync]. In the Sync Mode dialog box Sync IN area, set IN to the port of the MIDI interface to which the VS-890 is connected. In the Sync IN area, set "Type of sync" to "MIDI Time Code."**

HINT If you wish to synchronize V-Producer from the middle of the VP-890 song, choose the [Song Start Time] of [Option]-[MIDI Sync] dialog and specify the time at which the V-Producer song will start.

After you have made the above settings, click the play button on V-Producer to put it in standby mode. When you begin playback on the VS-890, V-Producer will also begin synchronized playback.

Troubleshooting

● **Q. Can't install**

- Make sure that the CD-ROM is inserted correctly.
- If other programs are running, exit all of them before beginning the installation.
- Make sure that there is sufficient free space on your hard disk. If there is not, delete unneeded files.

● **Can't start up V-Producer**

- Are you running a large number of applications? If there is insufficient memory, it may not be possible to start up additional applications. Exit other applications before starting V-Producer. If an error message still appears, try restarting Macintosh.
- Is OMS installed correctly? V-Producer will not start up on a system in which OMS has not been installed. Please re-install OMS correctly.
- Try starting V-Producer with unnecessary device drivers or virus protection disabled.

● **Q. MIDI devices do not appear in the PORT field of the MIDI Device dialog box**

- If nothing is displayed for the ports, it is possible that your MIDI interface and OMS have not been installed correctly. Perform the installations correctly as described in the manual for your MIDI interface and the OMS manual included on the CD-ROM (OMS_2.3_Mac.pdf).
- Try exiting all other MIDI software, and restarting V-Producer.

● **Q. When starting V-Producer or when downloading samples, a message of "VP-9000's version is too old." is displayed**

- You must upgrade your VP-9000 to system version 1.1 or higher.
  → " Using the Zip disk to update your VP-9000" (p. 8)

● **Q. When starting up V-Producer, the display indicates "MIDI Offline!"**

- Make sure that the power of the VP-9000 is turned on.
- Make sure that the VP-9000 is connected correctly.
  → " Connect the VP-9000 to your computer" (p. 10)
- Make sure that the MIDI device settings are made correctly.
  → " MIDI device settings" (p. 9)
- Try restarting Macintosh.
- Exit all other MIDI software, and try restarting V-Producer.
- Put the VP-9000 in a mode other than DISK mode (e.g. PERFORM).

● **Q. An error of "Memory is getting full..." appears, and it is no longer possible to edit.**

- If you open a large song, or you run out of memory while editing a song, or if the monitor Resolution or Color Depth settings cause an error of "Memory is getting full..." to be displayed, it may be impossible to load or edit files. In such cases, exit V-Producer. Then in the Finder, click "V-Producer" to select it, choose the Finder menu item [File]-[Get Info]-[Memory], and increase the Preferred Size of memory for V-Producer.

● **Q. When I quit the mixer application "VP-9000 Mixer," sound is no longer output from the VP-9000.**

- In step 7 of the procedure on p. 14 of this manual, make sure that "Run MIDI in background" is checked in OMS MIDI Setup.

● **Q. No sound when you play the demo song**

- Make sure that the power of the VP-9000 is turned on.
- Make sure that the VP-9000 is connected correctly.
  → " Connect the VP-9000 to your computer" (p. 9)
- Make.sure that the MIDI device settings are made correctly.
  → " MIDI device settings" (p. 16)
- Make sure that you have loaded the demo song performance into the VP-9000 from its Zip drive.
- Check the MIDI settings of the VP-9000. Playback may not occur correctly if any settings are OFF in the VP-9000's [SYSTEM]-[MIDI]-[RX SW]. Select [ALL ON] to turn them all ON.
- Exit all other MIDI software, and try restarting V-Producer.

● **Q. When you press the download button in the VP-9000 sample list, the display indicates "No MIDI Device is set at Option - MIDI Device," and the samples cannot be downloaded.**

- Make sure that MIDI device settings have been made correctly.
  → " MIDI device settings" (p. 16).

● **Q. When you press the download button in the VP-9000 sample list, the display indicates "MIDI Offline!," and the samples cannot be downloaded.**

- Samples cannot be downloaded when the VP-9000 is showing the DISK screen. Switch the VP-9000 to the PERFORMANCE screen, and then download the samples.
- Make sure that the VP-9000 is connected correctly.
  → " Connect the VP-9000 to your computer" (p. 9)
- Make sure that MIDI device settings have been made correctly.
  → " MIDI device settings" (p. 16).
- Exit all other MIDI software, and try restarting V-Producer.
- Try restarting Macintosh.

● **Q. Can't download when you press the download button in the VP-9000 sample list**

- Make sure that the VP-9000 contains samples.
- Check the MIDI settings of the VP-9000. If any of the VP-9000 settings [SYSTEM]-[MIDI]-[RX SW] are set to OFF, transmission may not occur correctly. Select [ALL ON] to turn all of these items ON.

● **Q. A song you created previously does not sound at all**

- From the Zip drive of the VP-9000, load the performance that you used when creating the song. Also, when saving a V-Producer song, you should also save the VP-9000 performance to its Zip drive at the same time, and be sure to load that performance into the VP-9000 before loading the song into V-Producer.

● **Q. A song you created previously does not sound correctly, or plays the wrong samples.**

- The wrong samples will sound if the song created on V-Producer does not match the samples in the VP-9000. Either the VP-9000 performance you used when creating the song on V-Producer must be loaded into the VP-9000, or you must use the Remap List (p. 80) to make the VP-9000 and V-Producer samples match. Also, when saving a V-Producer song, you should also save the VP-9000 performance to its Zip drive at the same time, and be sure to load that performance into the VP-9000 before loading the song into V-Producer.

● **Q. A previously created song does not sound correctly, or the mixer and effect settings have reverted to their original settings.**

* Mixer and effect settings are not saved in a song. These settings must be saved on a Zip disk as part of the VP-9000 performance. The next time you listen to the song, you must first load that performance into the VP-9000, and then load the song into V-Producer.

● **Q. The sound is wrong. Perhaps the octave is incorrect?**

* Is System Octave Shift selected? In the Play screen of the VP-9000 Performance mode, pressing the cursor up/down buttons will apply System Octave Shift. Set this to Oct:0.

● **Q. Sound is interrupted**

* Is the polyphony exceeding 6 voices? The sound will be interrupted if you attempt to play more than six voices for one port (one VP-9000).

● **Q. Notes are "stuck"**

* The Trigger mode of the sample may be set to "Trigger." In the Property screen of the VP-9000 sample list window, set the Trigger mode of the sample to "GATE."

● **Q. During preview or song playback in V-Producer, the VP-9000 plays at double (or faster) tempo.**

* The VP-9000 synchronizes to the master tempo of V-Producer by receiving MIDI clock data from V-Producer. With some MIDI interfaces (such as Mark Of The Unicorn's "MIDI Express" and emagic's "amt8"), MIDI clock data that is input to one port is output from all ports. This means that if multiple VP-9000 units are connected, or if you have specified a MIDI interface of this kind as the output destination for MIDI clock in the Sync dialog box, the VP-9000 may play back at a multiple of the correct tempo. If this occurs, go to the [Option]-[MIDI Device] menu, and in the MIDI Device dialog box, alter the settings in the "MIDI Clock for VP-9000" column so that a box is checked for only one MIDI interface, and all other ones are unchecked. This will ensure that the VP-9000 plays at the correct master tempo.

● **Q. The VP-9000 does not play at the tempo of the song.**

* The Clock Source of the VP-9000 may have been set to INT. In Performance mode of the VP-9000, set Clock Source to MIDI.

● **Q. When auditioning a phrase, the sound processed by an effect is sometimes heard.**

* This occurs because the audition function automatically assigns the sound to a part that is playable at that time. If you wish to audition without effects, you can temporarily turn the effects off.

● **Q. The Undo function does not work as expected.**

* V-Producer assigns the Undo function for each screen. In order to use the Undo function effectively, the corresponding window must be active (i.e., displayed on top of the other windows). Be aware that when you close a window other than the main window, its Undo data will also be cleared.

● **Q. You used the phrase scope to edit PITCH/TIME/FORMANT, but some parameters do not affect the playback.**

  • Check the VP-9000 performance control settings. For example if the VP-9000's [PERFORM]-[CTRL]-[C1] Pitch setting is "0," Pitch will not change.
  • Check the MIDI settings of the VP-9000.
    ▼ In the VP-9000 [SYSTEM]-[MIDI]-[RX SW] screen, playback may not be correct if any of the settings are turned OFF. Select [ALL ON] to turn them all ON.
    ▼ In the VP-9000 [PERFORM]-[MIDI] screen, playback will not be correct if Assign is set to settings other than C1:CC16, C2:CC17, and C3:CC18.
    ▼ In the VP-9000 [PERFORM]-[MIDI] screen, playback will not be correct if Out Mode is set to other than INT&MIDI or MIDI.
    ▼ In the VP-9000 [PERFORM]-[MIDI]-[RX] screen, playback may not be correct if any of the items are turned OFF. Select [ALL ON] to turn them all ON.
  • FORMANT can be edited only for a sample SOLO encoded sample.

● **Q. Phrase is played from the beginning when you use the phrase scope to edit a note**

  • The sample you are editing may have been set to RETRIGGER.
  • In the VP-9000 sample list window, set the sample Playback to LEGATO or TIME SYNC.
  • The polyphony may have exceeded six voices. Alternatively, even if you are using exactly six voices, triggering will occur during the legato portion if the sample Keyassign is set to Poly, and Playback is set to TimeSync. In such cases, set Keyassign to Solo, and set Playback to Legato.

● **Q. Triggering occurs at the location where you specified a chord in the phrase scope**

  • The polyphony may have exceeded six voices.

● **Q. When performing curve editing in the phase scope, the start and end locations of the selected range are not aligned with the locations of curve change.**

  • The edited control data exists at 20 tick intervals. In other words, if you edit a region smaller than 20 ticks, the actual change in data will not match the selected region, since it will occur only in 20 tick units.

● **Q. When you use the phrase scope to edit a note, the syllable display does not change**

  • It is possible that data has not been obtained correctly for the sample being used. Use the following procedure to update the information for the sample you are using. Either open the VP-9000 sample list and press the download button, or [control]+click the corresponding sample with the VP-9000 sample list open and choose Refresh from the menu that appears.

● **Q. You attempted to make MIDI synchronization settings, but the "-IAC Bus #1"(IAC Driver) mentioned in the manual does not appear.**

  • It is possible that "OMS IAC Driver" has not be installed. Then use the procedure in "Installing [IAC Driver]" (p. 11) to install it once again.

● **Q. The VP-9000 plays at double tempo when you play back on a MIDI sequencer.**

  • If you play the VP-9000 from a MIDI sequencer while V-Producer is running, duplicate MIDI Clock messages may be transmitted to the MIDI port to which the VP-9000 is connected, causing the VP-9000 to play back at double tempo. If this occurs, exit V-Producer.

● **Q. First note of the song does not play when a song output as an SMF is loaded into Cubase.**

  • If a song created by V-Producer is output as an SMF and loaded into Cubase, it has been found that the order of the Program Change and Note On messages at measure 1 beat 1 is inverted, meaning that a frame placed at measure 1 beat 1 will not sound. In such cases, use V-Producer to place the frame later than measure 1 beat 1, and output the SMF data once again.

● **Q. The VP-9000's PITCH, TIME, and FORMANT knobs do not work.**

  • By design, V-Producer sets C1-C3 Output Mode to MIDI. If you are not using V-Producer, set C1-C3 Output Mode back to INT&MIDI.

● **Q. Can't register keyboard shortcuts/keyboard shortcuts don't work.**

  • Since some key combinations are used by the system, it may be impossible to register or use them.

● **Q. Can't open Help or Readme menu**

  • Help or Readme cannot be opened if the name of the hard disk or folder contains a "/" (slash). Please change the name of your hard disk or folder.

● **Q. You specified Hold Loop on V-Trainer, but when the encoded sample was opened again in V-Producer its position seems to be slightly different.**

  • V-Producer's hold loop preview is intended only as a general guide. In actuality, the location you specified will be adjusted automatically to the optimal location. As a result, the hold loop location may move slightly, but this will not cause loop noise to occur.

● **Q. Events cannot be added or moved to some locations in V-Trainer**

  • When adding or moving events in V-Producer, there must be at least 75 milliseconds of space between adjacent events. It is not possible to add new events or move events nearer than this interval.

● **Q. When you attempted to encode in V-Trainer using [BAC] or [ENS], a message of "Failed to encode. Encoder eEncErro: -5" appeared.**

  • The WAV you are attempting to encode is not suitable for [BAC] or [ENS]. Use [SOL] to encode it.

Index (V-Producer)

Index (V-Trainer)

For the latest information about VariPhrase:

http://www.roland.co.jp/VariPhrase

Here you can find a variety of up-to-date information, including product-related information concerning VariPhrase, and additional information related to V-Producer.

Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

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Roland Scandinavia A/S
SWEDISH SALES OFFICE
Danvik Center 28, 2 tr.
S-131 30 Nacka SWEDEN
TEL: (08) 702 0020

SWITZERLAND
Roland (Switzerland) AG
Musitronic AG
Gerberstrasse 5, Postfach,
CH-4410 Liestal, SWITZERLAND
TEL: (061) 921 1615

UKRAINE
TIC-TAC
Mira Str. 19/108
P.O. Box 180
295400 Munkachevo, UKRAINE
TEL: (03131) 414-40

UNITED KINGDOM
Roland (U.K.) Ltd.
Atlantic Close, Swansea
Enterprise Park, SWANSEA
SA7 9FJ,
UNITED KINGDOM
TEL: (01792) 700139

MIDDLE EAST

BAHRAIN
Moon Stores
Bab Al Bahrain Road,
P.O. Box 20077
State of BAHRAIN
TEL: 211 005

CYPRUS
Radex Sound Equipment Ltd.
17 Diagorou St., P.O. Box 2046,
Nicosia CYPRUS
TEL: (02) 453 426

IRAN
MOCO, INC.
No.41 Nike St.Dr.Shariyati Ave.
Roberoye Cerahe Mirdamad
Tehran, IRAN
TEL: 285 4169

ISRAEL
Halilit P. Greenspoon &
Sons Ltd.
8 Retzif Ha'aliya Hashnya St.
Tel-Aviv-Yafo ISRAEL
TEL: (03) 6823666

JORDAN
AMMAN Trading Agency
Prince Mohammed St. P.O. Box
825 Amman 11118 JORDAN
TEL: (06) 4641200

KUWAIT
Easa Husain Al-Yousifi
Abdullah Salem Street,
Safat KUWAIT
TEL: 5719499

LEBANON
A. Chahine & Fils
P.O. Box 16-5857 Gergi Zeidan St.
Chahine Building, Achrafieh
Beirut, LEBANON
TEL: (01) 335799

QATAR
Al Emadi Co. (Badie Studio
& Stores)
P.O. Box 62,
DOHA QATAR
TEL: 4423-554

SAUDI ARABIA
aDawliah Universal
Electronics APL
Corniche Road, Aldossary Bldg.,
1st Floor
SAUDI ARABIA

P.O.Box 2154, Alkhobar 31952
SAUDI ARABIA
TEL: (03) 898 2081

SYRIA
Technical Light & Sound
Center
Khaled Ibn Al Walid St.
P.O. Box 13520
Damascus - SYRIA
TEL: (011) 2235 384

TURKEY
Barkat muzik aletleri ithalat
ve ihracat Ltd Sti
Siraselviler cad.Guney is hani 84-
86/6, Taksim. Istanbul. TURKEY
TEL: (0212) 2499324

U.A.E.
Zak Electronics & Musical
Instruments Co. L.L.C.
Zabeel Road, Al Sherooq Bldg.,
No. 14, Grand Floor DUBAI
U.A.E.
TEL: (04) 3360715

NORTH AMERICA

CANADA
Roland Canada Music Ltd.
(Head Office)
5480 Parkwood Way Richmond
B. C., V6V 2M4 CANADA
TEL: (0604) 270 6626

Roland Canada Music Ltd.
(Toronto Office)
Unit 2, 109 Woodbine Downs
Blvd, Etobicoke, ON
M9W 6Y1 CANADA
TEL: (0416) 213 9707

U. S. A.
Roland Corporation U.S.
5100 S. Eastern Avenue
Los Angeles, CA 90040-2938,
U. S. A.
TEL: (323) 890 3700

As of February 5, 2001 (Roland)

List of shortcut keys

Cmd + N	New
Cmd + O	Open
Cmd + S	Save
Cmd + Q	Quit
Cmd + Z	Undo
Cmd + X	Cut
Cmd + C	Copy
Cmd + V	Paste
Delete	Clear
Cmd + R	Repeat
Cmd + A	Select All
Space	Play / Stop
W	Rewind
J	Move Position
Cmd + PageUp	Prev Marker
Cmd + PageDown	Next Marker
M	Quick Marker
PageUp	Prev Measure
PageDown	Next Measure
G	Grid Snap On/Off
Cmd + L	Loop Position
L	Loop On/Off
Q	Quick Loop Position
S	Auto Scroll
Y	Change Sync Type
T	MIDI Thru On/Off
F5	Open SampleList
F6	Open Phrase Scope
F7	Open Frame Property
F8	Open Mixer
F9	Activate Locator
Home	Activate Main Window
Help	Help
Cmd + W	Close Window
1 - 6	Mute Part (1 - 6)

SampleList

P	Preview
LeftArrow	Select Prev Port
RightArrow	Select Next Port
UpArrow	Select Prev Phrase
DownArrow	Select Next Phrase
Cmd + I	SampleList Property

PhraseScope

R	Reset
Opt + Cmd + 1	NOTE
Opt + Cmd + 2	PITCH
Opt + Cmd + 3	TIME
Opt + Cmd + 4	FORMANT
Opt + Cmd + 5	DYNAMICS
Opt + Cmd + Q	Arrow
Opt + Cmd + W	Add Note
Opt + Cmd + E	Delete Note
Opt + Cmd + R	Divide Note
Opt + Cmd + T	Join Notes
Shift + Opt + Cmd + 2	Pitch View
Shift + Opt + Cmd + 3	Time View
Shift + Opt + Cmd + 4	Formant View
Shift + Opt + Cmd + 5	Dynamics View
Opt + Cmd + Z	TIME KEEP
Opt + Cmd + D	Anchor Point Editing
Opt + Cmd + X	Edit Curve (Flat)
Opt + Cmd + C	Edit Curve (Linear)
Opt + Cmd + V	Edit Curve (Curve)

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