

## Chapter 13 Other Useful Functions

### I. Vari Pitch

When recording an ensemble performance, all the instruments normally tune to an instrument such as an acoustic piano whose tuning cannot easily be changed. However, it is sometimes necessary to record (overdub) an acoustic piano onto an existing recording. In this case, if the pitch of the recording is different than the pitch of the acoustic piano, the new recording will be out of tune relative to the previous recording.

In such cases, you can change the pitch of the recorded performance being played to match the pitch of the instrument you want to record. This is done by changing the playback speed of the VS-1680. This is referred to as the **Vari Pitch** function. Vari Pitch can be used not only to compensate for pitch differences, but also when you want to purposely produce special effects. To use Vari Pitch, use the following procedure.

1. Press [VARI PITCH]. The button indicator lights, indicating the Vari Pitch function is on.
2. Hold [SHIFT] and press [VARI PITCH]. The current sample rate appears in the display.

Graphic p 163 right column bottom

3. Press [PLAY] to begin playback of the song.
4. Use the TIME / VALUE dial to change value for sample rate, which will change playback speed. Listen during playback to see how the pitch changes.
5. When you have finished adjusting the Vari Pitch, press [F6(EXIT)] to return to the Playlist display. Vari Pitch based on the sample rate chosen is turned on and off each time [VARI PITCH] is pressed. If you want to cancel Vari Pitch, press [VARI PITCH] so the button indicator is not lit. Normal playback speed will be resumed.

### II. Numerics / ASCII

It is possible to enter text using the buttons on the top panel like an ASCII keyboard. This is useful for entering Song, Track, and Phrase Names, naming User Effect Patches, and EZ Routing settings.

#### **A. Entering Numbers**

1. Press [NUMERICS / ASCII]. The button indicator lights.
2. Use the LOCATOR buttons to enter numerals as indicated below.

Graphic page 164 left column middle

*\* For some settings, you can enter “-“ (a minus sign) by pressing [0] twice.*

3. After you have finished entering the numbers, press [ENTER]. This sets the numbers.

#### **B. Entering Letters**

1. Press [NUMERICS / ASCII]. The button indicator lights.
2. Use all the SELECT and STATUS buttons to enter numerals as indicated below.

3. After you have finished entering the letters, press [ENTER]. This sets the text.

### III. Stereo Input

You can assign input signals from the INPUT jacks or DIGITAL IN connector to the MIX or RECORDING bus, without having them pass through the input mixer. You can also monitor these signals without having them pass through the input mixer or track mixer. This is referred to as **Stereo In**. This can be used to bring an additional stereo input source into the VS-1680. Use the following procedure for Stereo In.

1. Press the [ST IN] SELECT button. The Stereo In / Effect Return screen appears in the display.
2. Press [F1(St In)].
3. Press [↑] and [↓] to move the cursor. Use the TIME / VALUE dial to adjust each of the settings.

#### **Stereo In Select**

This setting determines which external input is assigned to the Stereo In.

<b>Off:</b>	Stereo In is not used.
<b>Input 1 / 2:</b>	Assigns INPUT jacks 1 and 2 to the Stereo In.
<b>Input 3 / 4:</b>	Assigns INPUT jacks 3 and 4 to the Stereo In.
<b>Input 5 / 6:</b>	Assigns INPUT jacks 5 and 6 to the Stereo In.
<b>Input 7 / 8:</b>	Assigns INPUT jacks 7 and 8 to the Stereo In.
<b>Digital:</b>	Assigns the DIGITAL IN connector (coaxial or optical) to the Stereo In.
<b>Level:</b>	Adjusts the volume level (0-127) for the Stereo In.
<b>Balance:</b>	Adjusts the balance (L63 - R63) for the Stereo In.

4. Press [PLAY(DISPLAY)] to return to the Playlist display.

#### **Adjust the Stereo In Level using the channel fader**

- 5.1 Press [FADER/MUTE] so the "IN" indicator is lit.
- 5.2 Use the ST IN fader to adjust the Stereo In level.
- 5.3 After you're finished adjusting the Stereo In level, press [FADER/MUTE] so "TR" is lit.

*\* You can quickly assign an INPUT jack to the Stereo In by holding [ST IN] and pressing the SELECT button for the input you want.*

### IV. Shut Down and Restart

#### **A. Turning Off the Power**

The contents of any recorded song will be lost if you simply turn the power off. This may also result in damage to the hard drive. To safely turn off the power and be sure your recorded performances are saved, **always follow the shutdown procedure when you finish working with the VS-1680.**

#### **? Shutdown** (Appendices p. 64)

1. Hold [SHIFT] and press [STOP(SHUT/EJECT)].

2. "SHUTDOWN / EJECT?" appears in the display. Press [YES].
3. "STORE Current?" appears in the display. If you wish to save the current song, press [YES]. If you do not want to save it, or if you don't want to save any changes to the song since the last time you turned on the VS-1680, press [NO]. **If you have selected a demo song, press [NO] at the "STORE Current?" prompt.**
4. When shut down has been completed properly, "PowerOFF/RESTART" appears in the display.
5. Turn down the volume of your audio equipment.
6. Turn off the power of the audio equipment.
7. Turn off the power of the VS-1680 with the POWER switch on the rear panel.

*\* After the power is turned off, the momentum of the hard drive may cause it to continue spinning for a short while. Any physical shock to the unit during this time may damage the hard drive. Avoid moving the VS-1680 with hard drive installed for at least 30 seconds after turning off the power.*

## **B. Restarting**

You can restart the VS-1680 without turning off the rear panel POWER switch. This is convenient when switching removable disks in drives (such as the Zip drive) connected to the VS-1680's SCSI connector. Use the following procedure.

1. Perform the Shutdown procedure as described in "Turning Off The Power" (p.xx)
2. Make sure "PowerOFF/RESTART" appears in the display.
3. Hold [SHIFT] and press [PLAY(RESTART)].

This restarts the VS-1680.