

## Chapter 7

# Setup Mode and the Setup Editor

### Setup Mode

Even if your MIDI controller can transmit on only one MIDI channel at a time, you can use the K2vx's setups by setting the Local Keyboard Channel parameter on the MIDI mode RECV page to match the channel you're using to transmit from your MIDI controller. This will enable you to play the setup's three zones, and send the MIDI information from your MIDI controller to the K2vx's MIDI Out port, on the channels used by the current setup. See the discussion of the Local Keyboard Parameter in Chapter 10.

Selecting performance setups in Setup mode is much like selecting programs in Program mode—just use one of the normal data entry methods to scroll through the list of setups. Standard program changes will select the correspondingly numbered setups while the K2vx is in Setup mode (if the Local Keyboard Channel matches the transmit channel of your MIDI controller). Setups enable you to use three keyboard (MIDI controller) zones, each of which can have its own program, MIDI channel, and control assignments. You can store 100 setups in each memory bank.

```

SetupMode      Xpose:0ST
Chan/Program Info
1   9 Cool Traps
2  18 Sly Acoust
3  22 Izit Jimmy
Octav- Octav+ Panic View
21 Friday Gig
22 BoP Rock Reggae
1 Jazz Trio
2 All Percussion
3 Heavy Metal
4 To Sequencer

```

Enter Setup mode by pressing the Setup mode button. You'll see a list of setups that you can scroll through with any data entry method. Press the "View" soft button to see the currently selected setup in large-type display. Press it again to return to the normal view. You can transpose the entire setup up or down with the two Octav soft buttons (as long as the Local Keyboard Channel matches the transmission channel of your MIDI controller). Press them simultaneously to set the transposition back to zero. When you transpose a setup, the split points between zones remain in place; each program is transposed within its respective zone.

The box at the left side of the display shows you the programs assigned to the three zones in the currently selected setup, and the MIDI channels on which they're being transmitted. The lines beneath the program names represent the approximate note range of each zone, and let you know whether the three zones overlap.

When you select a setup in Setup mode, the K2vx sends Program Change commands to its MIDI Out port, on each of the MIDI channels used by the setup. The values of these Program Change commands depend on the setting you have for the PChgType parameters in MIDI mode. See "Program Change Formats" in Chapter 10.

## The Setup Editor

Press the EDIT button to enter the Setup Editor, and you can make changes to the currently selected setup. The Setup Editor page looks like this:

```

EditSetup                                <>Zone:1
Program: 1 Grand Piano                  ModWh1:MWheel
Channel:1                               Mode :Both   FtSw1 :Sustai
XPose  :0ST   PBend:On                 FtSw2 :SostPd
LoKey  :C 0   PChng:On                 CPedal:Foot
HiKey  :G 9   FXMix:48%Wet             Slider:Data
Effect :1 Sweet Hall 2                 Press :MPress
Name   Save  Delete  Dump             SetRng V:127

```

The upper line gives you the usual mode reminder, and shows you which zone is currently selected. Use the CHAN/BANK buttons to select different zones. Each of the three zones in a setup has its own page identical to the one shown above. Zones can overlap if you want, but they don't have to. If you have other MIDI devices connected to the K2vx's MIDI Out port, you should always use different MIDI channels for each zone. You can get to the Program Editor from the Setup editor by pressing EDIT when the Program parameter is selected. This gives you access to the other editors nested within the Program Editor, as well.

### Setup Editor Parameters

The parameters on the Setup Editor page define what each of a setup's zones sends to the MIDI Out port. They also determine how the K2vx responds to MIDI signals received from a MIDI controller connected to the K2vx's MIDI In port (when the Local Keyboard Channel matches the transmit channel of your MIDI controller). They're in effect *only* when you're in Setup mode, however, so although they override the corresponding parameters on the MIDI mode XMIT page, they don't actually change those settings. The MIDI mode settings resume control when you exit Setup mode.

Note: Only the Program, Effect, and Effects Mix parameters will function as programmed if the Local Keyboard Channel does not match the transmit channel of your MIDI controller. When they are set to the same channel, the remaining parameters will take effect as well.

PARAMETER	RANGE OF VALUES
PROGRAM	Program list
CHANNEL	Off, 1 to 16
TRANPOSE	± 60 semitones
LOW KEY	C -1 to G 9
HIGH KEY	C -1 to G 9
EFFECT	Preset Effects list
EFFECTS MIX	0 to 100% wet
MODE	Off, Both, MIDI, Local
PITCH BEND	Off, On
PROGRAM CHANGE	Off, On
MOD WHEEL	MIDI Control Source list
FOOT SWITCH 1	MIDI Control Source list
FOOT SWITCH 2	MIDI Control Source list
CONTROL PEDAL	MIDI Control Source list
CONTROL SLIDER	MIDI Control Source list
MONO PRESSURE	MIDI Control Source list
V	Off, 1-127

## Program

The Program parameter selects the program for the currently displayed zone. This determines the program change number that will be sent on that zone's MIDI channel when the setup is selected (if the Program Change parameter is set to On). See "Program Change Formats" in Chapter 10 for a full explanation of the K2vx's program change methods.

## Channel

The Channel parameter defines the MIDI transmit channel for the currently selected zone. It can be set to a value of Off, to disable the zone, or it can be set to any of the 16 MIDI channels. The most important thing to remember about setups is that each zone must be on a separate channel. This is because you can only have one program on a channel at a time. The only exception to this would be if you wanted the same program in more than one zone. For example, you could take a program and assign it to two zones, then transpose one zone up an octave, allowing you to play two octaves of the same sound. In general, though, you'll be using different programs for each zone.

## Transpose (Xpose)

This defines the amount of transposition sent by the currently selected zone. This will affect both the K2vx and MIDI devices receiving from the K2vx.

## Low Key (LoKey), High Key (HiKey)

The LoKey and HiKey parameters define the note range of the currently selected zone. The easiest way to change these values is to press the SetRng soft button. You'll be prompted to trigger the notes (low note first) you want to be the lowest and highest notes for the zone. When you do, you'll return to the Setup Editor page, and the notes you triggered will be reflected in the values for LoKey and HiKey. They'll also be represented by the lines beneath the program names in the box at the left of the Setup mode page. You can set these values with normal data entry methods as well.

## Effect

This tells the global effects processor which effect to use for the current setup. The values available for this parameter are the 47 factory preset effects, and any that you program yourself. It's not possible to use more than one preset effect per setup (the effects processor can apply only one preset effect at a time, even though that preset can combine up to four digital effects). Changing the effect for one zone will change it for all zones. It also may change the value of the FX Mode parameter in Effects Mode to Auto (if it isn't set to Auto already). This enables the effect to be selected automatically when a program or setup is selected, regardless of the operating mode at the time.

## Effects Mix (FXMix)

The FXMix parameter lets you set the level of effect from 0% (no effect) to 100% (maximum). This also affects all three zones. Remember that the programs in the setup must have their audio output groups set to A (either on the OUTPUT page in the Program Editor or on the CHANLS page in MIDI mode), and you must use the MIX audio outputs if you want effects applied to the programs.

## Mode

This determines whether the currently selected zone affects only the K2vx (Local), gets sent only via MIDI (MIDI), controls both the K2vx and connected MIDI instruments (Both), or is disabled (Off). If the values you set for the other control parameters on this page don't seem to be doing what you expect, check the Mode parameter to make sure the information is being sent where you think it is.

### Pitch Bend (PBend)

The Pitch Bend parameter determines whether the currently selected zone of the currently selected setup will receive the Pitch Bend message when your MIDI controller's Pitch Wheel is moved. This lets you use Pitch bend with some zones and not from others. Choose On to enable the Pitch Wheel message in the current zone, or Off to disable it. This parameter is relevant only if the Local Keyboard Channel parameter on the RECV page in MIDI mode is set to match the MIDI channel you're using to transmit from your MIDI controller.

### Program Change (PChng)

This enables or disables program change commands sent to the MIDI Out port when you select setups from the K2vx's front panel or from your MIDI controller when the K2vx is in Quick Access mode. If it's set to On, then the program numbers for the programs in the three zones will be sent via MIDI when a setup is selected. When this parameter is set to Off, you can select a setup to play on the K2vx, without changing the programs on MIDI devices receiving from the K2vx.

### Volume (V)

This parameter enables you to control the initial MIDI volume setting for each zone of the current setup. When you call up a setup in Setup mode, the K2vx sends a MIDI volume control signal on each of the setup's MIDI channels. This sets the starting volume level for each zone. Subsequent MIDI volume control signals sent to the setup's MIDI channels will affect the volume normally. The Setting of the "V" parameter on the MIDI mode XMIT page (see page 10-4) determines whether or not this parameter will have any effect.

### The Remaining Parameters

A long list of values (the Control Source list) is available for each of the remaining six parameters, which determine two things: how the K2vx responds to Mod Wheel, switch pedal, continuous control pedal, data slider and mono pressure messages from your MIDI controller, and how the K2vx remaps these messages to send to its own MIDI Out port. (See the discussion of the Local Keyboard Channel parameter in Chapter 10.) Each zone's assignments are independent; you can assign a given control in one zone and not the others. While you remain in Setup mode, the values you set for these parameters will override the configuration of the XMIT page in MIDI mode.

### The Setup Editor's Soft Buttons

There are three soft buttons—Name, Save, and Delete—for basic library functions, and one for dumping the whole setup as a MIDI System Exclusive message. The Set Range (SetRng) soft button gives you a quick way to set the values for the LoKey and HiKey parameters for the currently selected zone. Press this button, and the K2vx will prompt you to trigger the low note. Press the Cancel soft button if you change your mind. Otherwise, trigger the note you want to be the lowest in the current zone. When you trigger a note, the K2vx prompts you to trigger the note to be the highest in the zone. When you trigger another note, the Setup Editor page returns, and the notes you triggered will be recorded as the new values for the LoKey and HiKey parameters. You'll notice that the higher of the two notes you triggered is entered as the HiKey value, regardless of the order in which you triggered the two notes.

### It's Not Just for Editing Anymore

You might think that the Setup Editor is intended strictly for programming setups between gigs or sessions. But it's convenient in performance situations, as well. All of the K2vx's performance features function normally while the Setup Editor is active. You can make quick changes to the current setup—choose a different lead sound, for example, or switch one zone to a different MIDI channel to control one of the rack-mount synths at the studio. You can save your changes if you want, or you can exit the Setup Editor without saving to restore your original setups.