INTRODUCTION & BASIC SETUP

WHAT'S A VINTAGE KEYS?

Vintage Keys is a musical instrument whose sounds are based on digital recordings of the classic keyboards of yesteryear. But despite the name, Vintage Keys is not strictly limited to vintage sounds. The vintage keyboard samples are simply the starting point for you to take off in any direction.

To begin with, Vintage Keys contains eight megabytes (internally expandable to 16 megabytes) of the highest quality 16 bit samples selected from the Emulator III sound library and stored in ROMs for instant access. You now have virtually every major keyboard ever made beneath your fingers. These sounds have been used on literally thousands of hit recordings over the years. They're all here, without recording problems, unreliability and the hassles of moving heavy equipment.

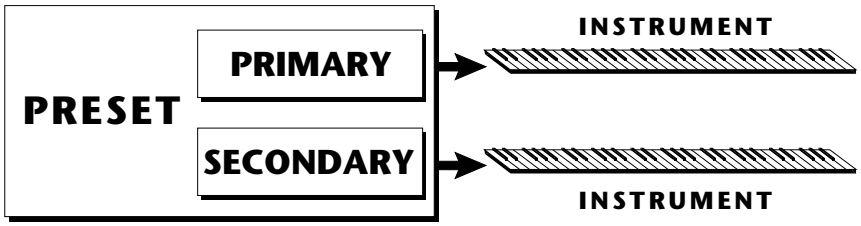
Vintage Keys gives you the ability to literally take the sounds apart and reassemble them into a limitless number of entirely new sounds, combining parts of one sound with another or with any of a selection of digital waveforms also stored in ROM. For example, the attack of a flute can be faded out as a vocal pad is faded in, giving you a completely new sound! The dynamic 2 and 4 pole filters allow you to shape and mold your sound in order to exactly duplicate classic synthesizer sounds. The 16 bit samples are arranged into 512 preset locations, 256 of which are user-programmable.

Vintage Keys also features 32 voice polyphony allowing you to take full advantage of its layering capabilities (up to 8 sounds on each key) and its ability to respond multi-timbrally to all 16 MIDI channels makes it ideally suited for multitrack sequencing and composing using a MIDI sequencer.

Other features include 3 stereo outputs for individually processing sounds (also configurable as 6 polyphonic submixes with fully programmable panning), integral sends and returns to allow the addition of external effects units without the need for a separate mixer, user definable alternate tuning, and of course, an extensive MIDI implementation.

VINTAGE KEYS ORGANIZATION

Vintage Keys is organized as shown in the diagram below.



The *Preset* is a complete set of all program parameters for a complete Vintage Keys sound. The fully programmable user presets and the unalterable ROM presets are organized as shown below.

- ***User Presets*** *can be moved, erased or modified as desired.*
- ***ROM Presets*** *cannot be moved or altered unless they are first copied to a user location.*

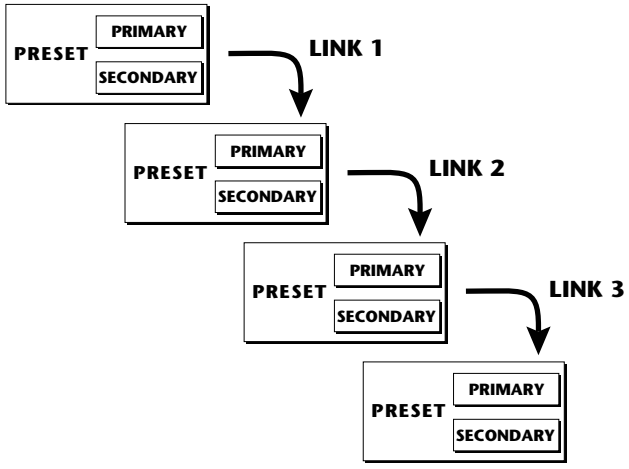
000 - 255 USER PRESETS

256 - 511 ROM PRESETS

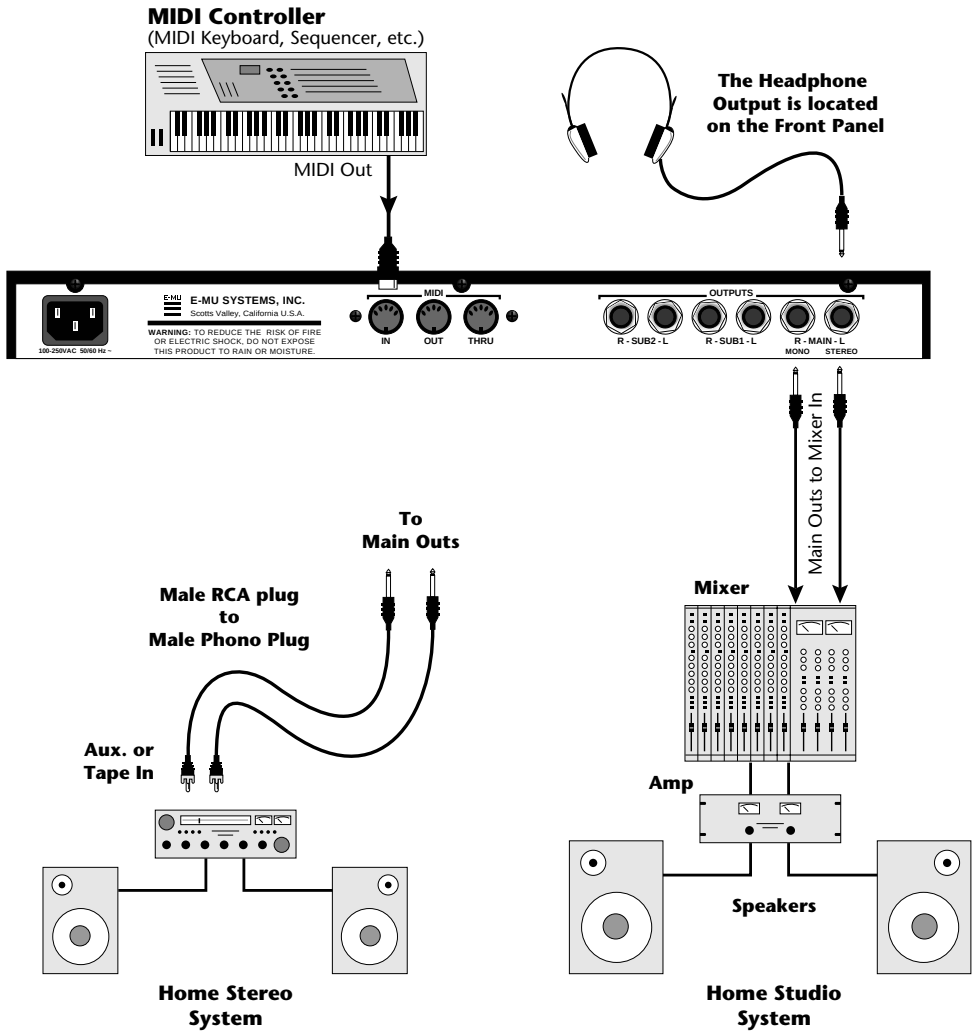
Each preset consists of one or more instruments. An instrument is a complete set of samples or a digital waveform which covers the entire keyboard range. An instrument can be assigned to each of the *Primary* and *Secondary* layers of the preset.

The primary and secondary layers are essentially two complete sounds stacked or placed adjacent to each other, and can be switched or crossfaded together in various ways.

Up to four presets can be *Linked* in order to have more than one preset on the keyboard at a time. The linked presets may overlap each other for layered sounds or be adjacent to each other to create keyboard "splits".



SETUP #1 BASIC SETUP



▼ *The headphone output monitors the main outputs only.*
The submix outputs do NOT feed into the headphone output.

• • • *If Vintage Keys does not seem to be responding correctly, make sure the both Vintage Keys and your MIDI controller are set to the same MIDI channel.*

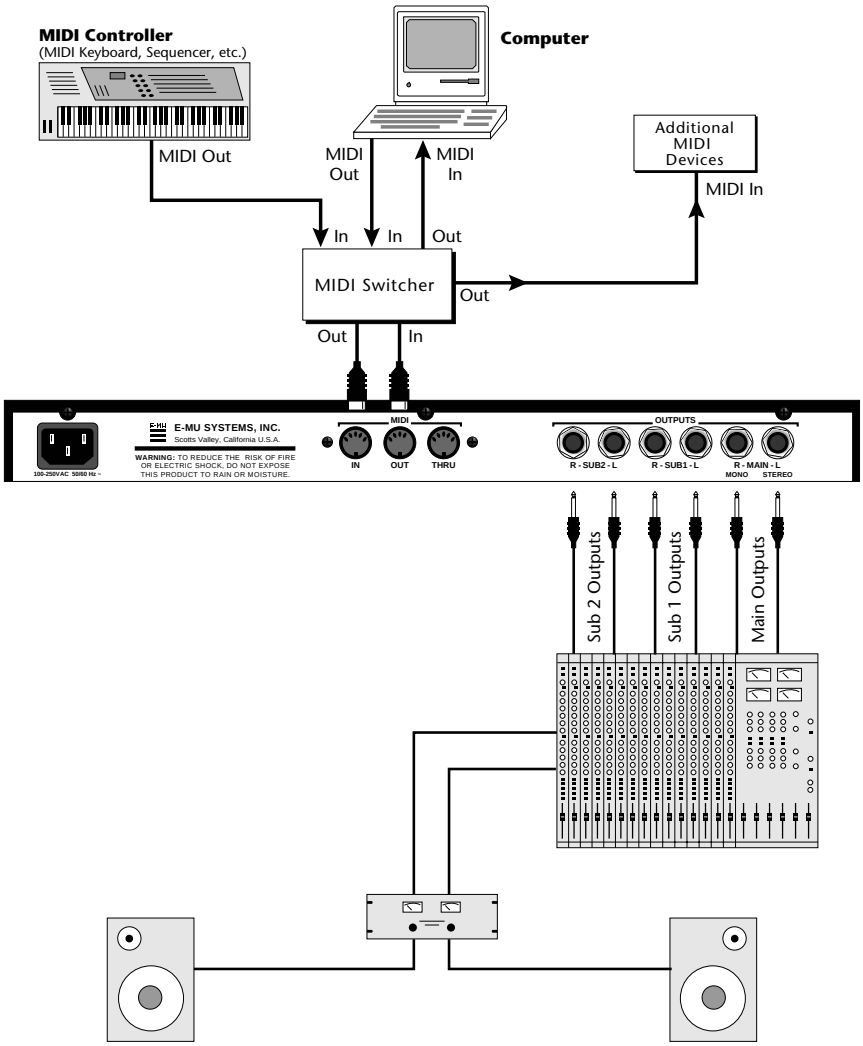
MIDI In

Vintage Keys is controlled by MIDI messages received at the MIDI In connector. Connect the MIDI In of the Vintage Keys to the MIDI Out connector of a MIDI controller such as a MIDI keyboard, MIDI wind controller or MIDI guitar controller.

Outputs

Vintage Keys is a high quality, stereo audio device. In order to reproduce its wide dynamic range and frequency response, use a high quality amplification and speaker system such as a keyboard amplifier or home stereo system. A stereo setup is highly desirable because of the added realism of stereophonic sound. Headphones can be used if an amplifier and speaker system is not available. Plug stereo headphones into the headphone jack located on the left side of the front panel. The Right Main output jack serves as a mono output when the Left Main plug is not plugged in.

SETUP #2 STUDIO SETUP



MIDI In

In this setup, Vintage Keys is controlled by MIDI messages received at the MIDI In connector which have been routed by a MIDI switcher. The MIDI switcher allows any MIDI controller such as a MIDI keyboard, MIDI wind controller or a computer to be easily connected.

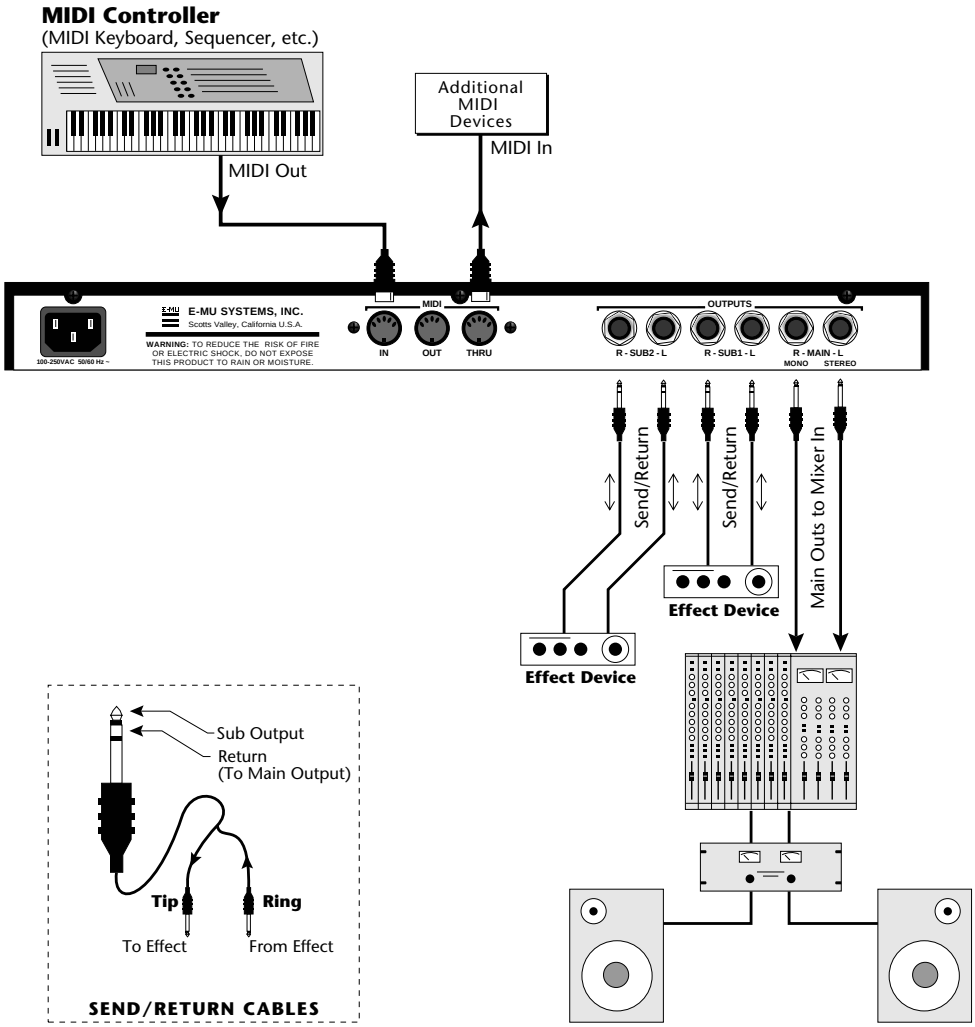
MIDI Out

The MIDI Out jack is normally used to transmit program data to a computer or other device.

Outputs

Vintage Keys has three sets of programmable stereo outputs; Main, Sub 1, and Sub 2. Specific Vintage Keys presets (or MIDI channels) can be routed to one of these stereo pairs in order to be further processed or mixed separately.

SETUP #3 PERFORMANCE SETUP



MIDI In

Vintage Keys is controlled by MIDI messages received at the MIDI In connector. Connect the MIDI In of Vintage Keys to the MIDI Out connector of a MIDI controller such as a MIDI keyboard, MIDI wind controller or MIDI guitar controller.

MIDI Thru

The MIDI Thru jack is used to connect additional MIDI devices onto the MIDI chain. MIDI Thru transmits an exact copy of the messages received at the MIDI In jack.

Outputs

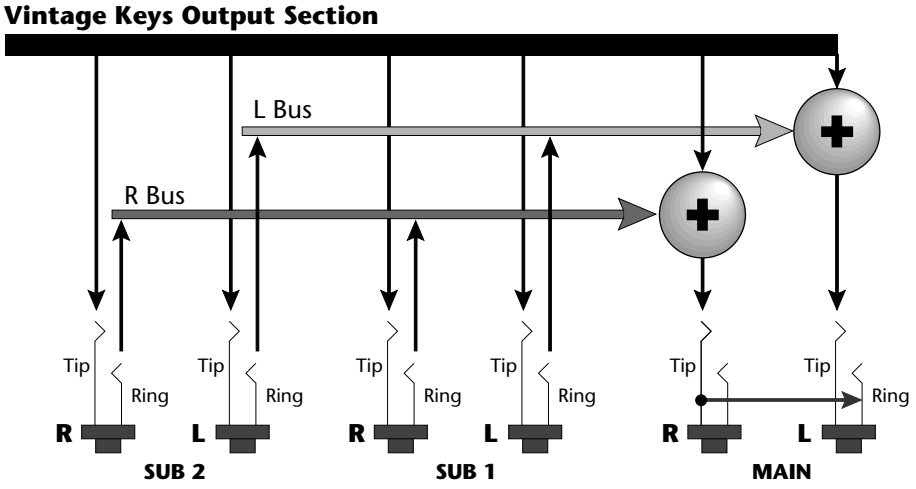
Each of the Sub 1 and Sub 2 output jacks on the Vintage Keys are stereo jacks. The tip of each jack (accessed when a standard phone plug is inserted) connects to the left or right output of that group.

If a stereo plug is inserted, the Ring of the stereo plug serves as a signal Return which sums into the Main outputs.

Therefore, the Sub 1 and Sub 2 jacks can serve as effect sends and returns in order to further process selected instruments and then return them to the main mix.

••• *Inserting a standard mono phone plug **halfway** into the jack allows you to sum into the main outputs without a special cable.*

The diagram shows the Sub 1 and Sub 2 jacks being used as send/returns in order to further process selected Vintage Keys presets without using the effects bus on the mixing board. In a pinch, the effect returns could also be used to sum additional instruments into the main outputs.



The Sub 1 and Sub 2 jacks can be used as effect returns to the Main Outputs.

POWER UP!

The power switch is located on the right side of the front panel. Vintage Keys and its MIDI controller may be turned on in any order. When power is applied, the liquid crystal display will light, indicating that Vintage Keys is operating. You may have noticed that there is no 110/220 Volt power selector switch on Vintage Keys.

Vintage Keys automatically switches itself for 110 or 220 Volt operation.