

## Appendix C

# Stereo Piano ROM

The Stereo Piano ROM option adds 4 Megabytes of Stereo Piano samples to your K2500, and also enables you to upgrade your sounds further with the 8 Megabyte Orchestral ROM and the 8 Megabyte Contemporary ROM. The Stereo Piano Option adds objects in the 700s bank. There you will find new programs, keymaps, samples, and a new effect - "709 Soundboard/Rvb".

### Monaural Piano Programs

Most of the new piano programs are set to play in stereo, though "780 MonoStudioGrand," as well as a number of programs on the accessory disk are designed for mono use. If the pianos are to be played through a mono sound system, the best results will come from these mono programs, not the stereo programs mixed to mono.

### Stretch Tuning

Unless otherwise noted, piano programs are "stretch" tuned, like an acoustic piano. Since the higher harmonics of a stretched string tend to be sharper than those of the real harmonic series, stretch tuning ensures that the piano remains in tune with itself harmonically. Stretch tuning is sometimes referred to as "solo" or "beat" tuning.

Keymaps with "440" as part of their name - such as "776 Mono Piano 440" offer straight (non-stretch) tuning, where the fundamental of each note is tuned to A440. Programs that use these keymaps (e.g., "777 Piano for Layers") will mix better with other acoustic and electronic instruments. This type of tuning, therefore, is sometimes known as "ensemble" tuning.

## Stereo Piano ROM Programs

As shown below, the number of programs added to the 700s bank will depend on whether you have also added the Orchestral and/or Contemporary ROM options. Contact your Young Chang / Kurzweil dealer if you are interested in these additional upgrades.

Piano ROM only		...with Orchestral ROM	...with Contemporary ROM		
770	Concert Piano 1	788	Piano Trio	794	Water Piano
771	Studio Grand	789	Pno & Syn String	795	StPno & OrchPad
772	Brt Grand & Str	790	Fluid Grand	796	Grand & Pad
773	Stereo Solo Pno	791	Haunted Piano	797	Pop Grand Stack
774	Brt Concert Pno	792	Xylopiano	798	Prepared Piano
775	Concert Piano 2	793	Grand,Harp&Lead	799	Tack Piano Stack
776	Soft Piano				
777	Piano for Layers				
778	Rok Piano				
779	RandomPan Grand				
780	MonoStudioGrand				
781	Grand & Elec 1				
782	Grand & Elec 2				
783	St Pno & Vox Pad				
784	Funky Piano				
785	E Grand Stack				
786	Way Dark Piano				
787	Piano Chase				

## Stereo Piano ROM Keymaps

770	Stereo Piano	<i>Both sides of stereo image can be edited at the same time to preserve image stability.</i>
771	Piano Left	<i>These two keymaps are the same as 770, but either side of the stereo image may be edited independently.</i>
772	Piano Right	
773	Pno440 Left	<i>These two keymaps are non-stretched 440 tuned, for use when layering with other non-piano keymaps so that the upper notes are in tune.</i>
774	Pno440 Right	
775	Mono Piano	<i>This is a stretch tuned mono keymap consisting of the best quality samples from either left or right portions of the stereo samples.</i>
776	Mono Piano 440	<i>This is a non-stretch tuned mono keymap consisting of the best quality samples from either left or right portions of the stereo samples.</i>
777	Hybrid Piano 1	<i>This is a mono keymap consisting of samples not used in 775.</i>
778	Way Dull Piano	<i>This keymap is specifically designed for program 786 "Way Dark Piano".</i>

## Stereo Piano ROM Samples

770	StereoPiano b0
771	StereoPiano e1
772	StereoPiano a1
773	StereoPiano d2
774	StereoPiano a#2
775	StereoPiano d3
776	StereoPiano a3
777	StereoPiano c#4
778	StereoPiano f4
779	StereoPiano b4
780	StereoPiano f5
781	StereoPiano b5
782	StereoPiano e6
783	StereoPiano a6
784	StereoPiano a6NR
785	StereoPiano e7
786	Piano Left
787	Piano Right

## Stereo Piano ROM Programs with Controller Assignments

This list describes how each of the Stereo Piano ROM programs can be modulated or altered by the various MIDI controls. Only those controls which may not be immediately evident are listed. Controls such as attack velocity and keynumber are understood to be assigned to most programs.

Prg #	Program Name	Mod Wheel	Data	MPress	Comments
770	<b>Concert Piano 1</b>				General purpose stereo piano for solo playing. Uses several layers, providing specific filter settings and curves for different key ranges and strike levels. Soft pedal replaces all layers with layer 1 - voiced to emulate <i>una corda (u.c.)</i> sound.
771	<b>Studio Grand</b>				Dynamics and brightness compressed for easy control and mixing with other instruments. Soft pedal emulates <i>una corda (u.c.)</i> sound.
772	<b>Brt Grand &amp; Str</b>	String Balance	String Brightness		
773	<b>Stereo Solo Pno</b>				Specifically for classical solo piano, using wider dynamic range and more sustained envelope. Soft pedal emulates <i>una corda (u.c.)</i> sound.
774	<b>Brt Concert Pno</b>				Similar to Concert Piano 1, but filter velocity curves exaggerated for easy dynamics; Hard strikes very bright. Soft pedal emulates <i>una corda (u.c.)</i> sound.
775	<b>Concert Piano 2</b>				Suitable for solo playing. Easily edited, and may be played on a non-drum channel.
776	<b>Soft Piano</b>				
777	<b>Piano for Layers</b>				Import this template to other programs to create piano combinations. Its 440 tuning controls beating in the upper range when layered with other waveforms.
778	<b>Rok Piano</b>		Wet/Dry Mix		
779	<b>RandomPan Grand</b>		Wet/Dry Mix		The two sides of the stereo sample are played by independent layers. Since the layers are not synchronized, slight variations in note starts between them create an unstable stereo image.
780	<b>MonoStudioGrand</b>		Treble Boost		Monaural sample; a hybrid of the left and right channels of the stereo recording. Use mono programs such as this in live performance with mono PA systems. Soft pedal emulates <i>una corda (u.c.)</i> sound.
781	<b>Grand &amp; Elec 1</b>	String Balance	Wet/Dry Mix		
782	<b>Grand &amp; Elec 2</b>	Treble Boost	Wet/Dry Mix		
783	<b>St Pno &amp; Vox Pad</b>	Vibrato	Pad Swell		
784	<b>Funky Piano</b>	Wah Rate		Filter Freq.	
785	<b>E Grand Stack</b>	Pad Balance			
786	<b>Way Dark Piano</b>				
787	<b>Piano Chase</b>	Vibrato	Wet/Dry Mix	Vibrato	

## Stereo Piano ROM

Stereo Piano ROM Programs with Controller Assignments

Prg #	Program Name	Mod Wheel	Data	MPress	Comments
<b>Orchestral ROM Piano Programs (require Orchestral ROM)</b>					
788	<b>Piano Trio</b>		Ride Cymbal fade	Vibrato- Bass	
789	<b>Pno &amp; Syn String</b>	String fade	String swell		
790	<b>Fluid Grand</b>		Wet/Dry Mix		
791	<b>Haunted Piano</b>	Harp Balance	Wet/Dry Mix		
792	<b>Xylopiano</b>	Release Ctl	Wet/Dry Mix		
793	<b>Grand,Harp&amp;Lead</b>	Lead Tremolo	Lead Fade	Lead Tremolo	Sustain pedal does not affect the lead sound
<b>Contemporary ROM Piano Programs (require Contemporary ROM)</b>					
794	<b>Water Piano</b>	Vibrato	Wet/Dry Mix	Vibrato	
795	<b>StPno &amp; OrchPad</b>	Pad Balance			
796	<b>Grand &amp; Pad</b>	Pad Balance	Bell Release Envelope		
797	<b>Pop Grand Stack</b>	Bell Fade	Wet/Dry Mix	Vibrato	
798	<b>Prepared Piano</b>	Alt Switch - Mbira	Wet/Dry Mix		
799	<b>Tack Piano Stack</b>	Bell Fade, Wet/Dry Mix	Pitch Env - Mbira		