





## INTRODUCTION

Version 2.0 of the S5/6000 Operating System offers many new features and functions as well as attending some operational inconveniences with the previous software versions.

## NEW FEATURES/FUNCTIONS

- New MULTI page layout
  - New playback indicator to show which parts/programs are playing in a multi
  - New SOLO/MUTE indicator for parts
  - New KEYGROUP ZONES page layout
  - New playback indicator for keygroup zones
  - New KEYSpan layout
  - MIDI song file player
  - Setlist
  - Portamento
  - Mono Legato play mode
  - Emu EIV SCSI disk support
  - Roland CD-ROM support
  - User settings may be saved to FlashROM and/or disk.
  - Floppy disk format
  - FAT32 disk format
  - "OFF Threshold" parameter in RECORD
  - Swap Left/Right function in SAMPLE/MASTER
  - New SOLO/MUTE function for keygroup zones
  - Copy/Paste Keygroup allows copying and pasting of keygroups between programs
  - Keygroup Crossfade parameter added in EDIT PROGRCT\*. in SAM3Ain EDIT PROGRCa Ps betw/Bank cha
- CPU Memory Free (MPKS)59(A songd MUT)-10778(l/ed in E/UTILS P)71(AGESr in RECORD)]TJ T\* [( d CD-TE

NEW SCREEN LAYOUTS

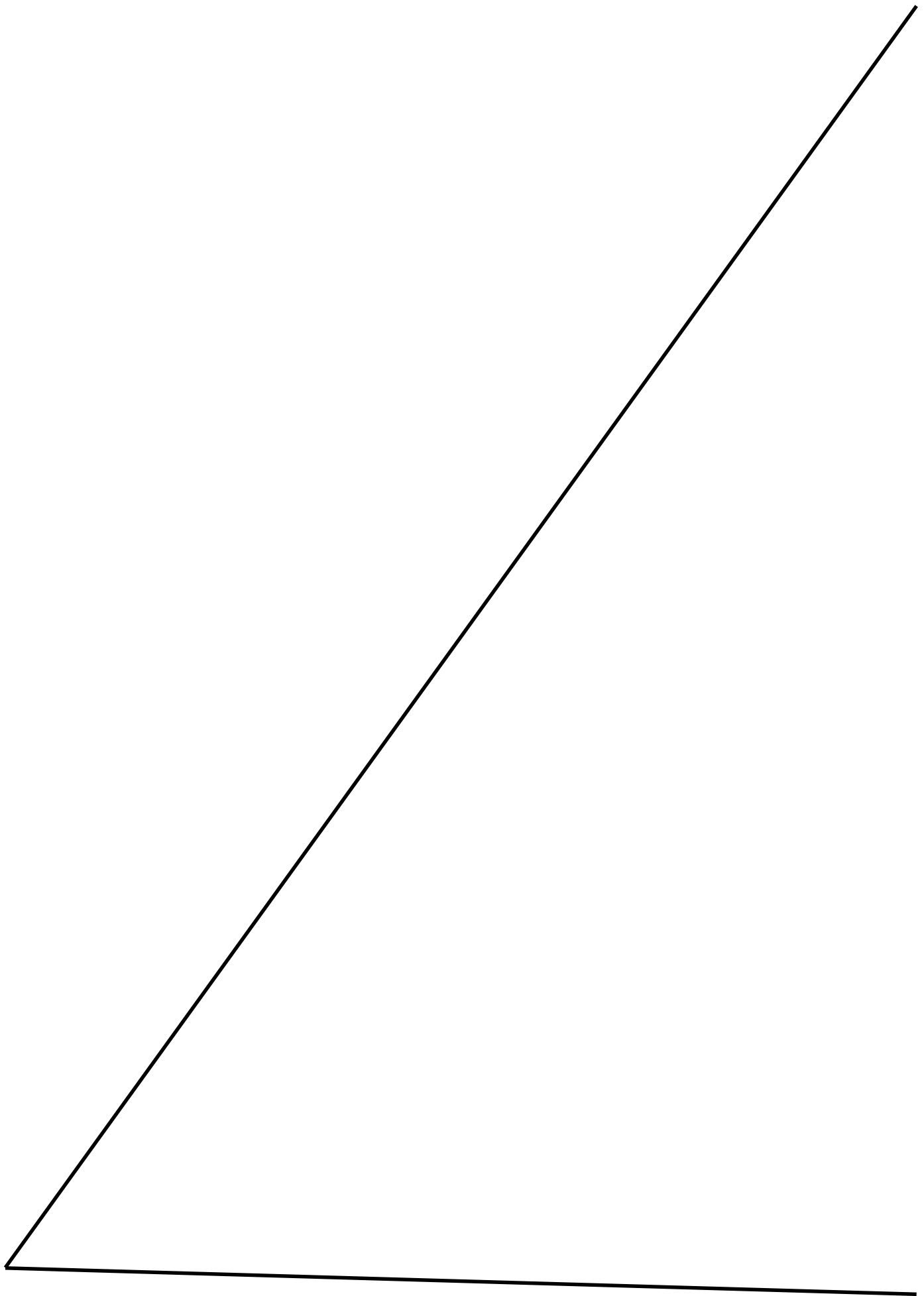


**MUTE/SOLO PART**

When using MUTE in the new MULTI layout, the status is shown more graphically:

Part	Program	Ch	Lvl	Pan	Out	Mute	Solo
1	Drum Set 1	1A	100	MID	1/2	ON	OFF
2	Pick Bass	2A	100	MID	3	ON	OFF
3	Fat Bass	3A	92	MID	4	ON	OFF
4	Bright Piano	4A	71	L11	5/6	ON	OFF
5	Clavinet 1	5A	87	R04	5/6	OFF	OFF

When MUTE/SOLOs are ON, they are shown as:











**PLAYING A MIDI SONG FILE**

Once you have some song files loaded, they are selected using F1 in conjunction with the DATA wheel and/or DATA +/- keys and are played using F10 [PLAY], F12 [PAUSE] and F14 [STOP]. The













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**PORTAMENTO**

A Portamento function is introduced in Version 2.0 and can be found in the PITCH BEND page in EDIT PROGRAM/PART:



The portamento effect is useful when playing acoustic sounds such as stringed instruments that have no frets (violins, violas, fretless bass, etc. ) and instruments such as trombone, penny whistle, etc. It is also effective on vocal sounds as few, if any, singers hit the note dead on - most slide into it.

Of course, portamento was also a standard feature on older analogue synths, particularly monophonic ones (where it was often called GLIDE) and was responsible for the creation of some highly distinctive (although often over-used!) synth effects.

The PORTAMENTO parameters are:

**PORTAMENTO**      This can be switched ON or OFF. When it is switched ON you will hear the portamento effect all the time as you play.

You will note that this parameter responds to the MIDI PORTAMENTO pedal (controller #65). This pedal is like the sustain pedal - when depressed,





SOUND LIBRARY SUPPORT

**ROLAND S-7xx SERIES SOUND LIBRARY COMPATIBILITY**

It is now also possible to load sounds from Roland™ CD-ROMs made for the S7xx series samplers. Comparing the structures of a Roland sampler with the S5/6000 shows many similarities:

**USER SETTINGS****SAVING USER SETTINGS TO FLASHROM/FLOPPY DISK**

It is now possible to save system settings, preferences, MIDI settings and more to Flash ROM and/or disk. The parameters that are saved are:

Aftertouch Type  
Digital I/O  
Ext APM Controller  
Fan Speed  
Fine Tune  
FX Ext Input Left  
FX Ext Input Right  
FX Input Level  
FX Input Level Mode\* 0 Tw (FX Inpu)Tj Direcvel  
USERnpuOutLevT\* 0 Tw (FX Input)Tj Direcvel

To save the setting file, press SAVE SETTINGS (F16) in main UTILITIES page. The function is

**LOADING SETTINGS FILES FROM DISK**

If your settings are saved to disk, they can be loaded at any time in the LOAD page and is seen as a CFy (config) file:7)Tj ETq 2155.6 56-0.F3 912 .44re W nX 1RG .64 wd BX /GS1 gs EX210.362 739.3 2034.



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At the end of the process, you will be returned to the DISK LIST page:











**COPY/PASTE KEYGROUP IN EDIT PROGRAM**

It is now possible to copy and paste keygroups between programs. This is useful when, for example,



### KEYGROUP CROSSFADE FUNCTION IN EDIT PROGRAM

The S5/6000 has always had a keygroup crossfade function except that in previous versions it was done automatically - when keygroups overlapped, a crossfade was automatically applied. However, this has been responsible for some incompatibilities with older sound library that had overlapping keygroups but no crossfade. To overcome this, the function has been made available as a switchable option. It is found in the new KEYSpan page:



The function can be turned on or off simply by pressing F14.

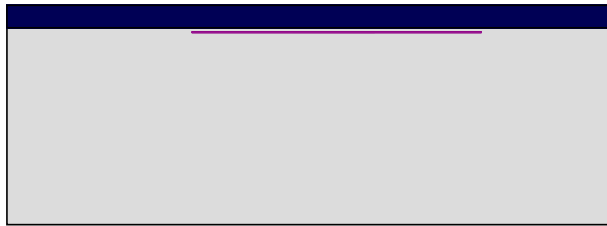
**NOTE:** *The KEYGROUP XFADE function affects the whole program, not the selected keygroup.*



### CPU MEMORY USAGE

There are two types of memory in the S5/6000 - wave memory and CPU memory. The wave memory is the expandable memory (RAM) that holds the audio data (samples) you load or record into the sampler. The CPU memory, on the other hand, is an area of memory that holds not only the Operating System that is loaded from FlashROM at boot up but also the 'headers' for the multis, programs, keygroups and samples (MPKS).

The capacity of the wave memory is easy to define - you can install up to 256Mb of RAM into which you can load 256Mbytes of data. The CPU memory capacity, however, is harder to define because the headers are of variable size according to circumstances. However, if we define CPU memory in the number of 'units' it can hold, we can begin to get a clearer picture. In previous versions of the S5/6000 Operating System, each 'item' (MPKS) used the following number of 'units':



In Version 2.0, some improvements have been made and it has been possible to condense some header sizes as shown below:









