

Pa1X Operating System ver. 3.01

Pa1X Operating System version 3.01 adds a new function and fixes some bugs.

Additions	
Global > General Controls > Page menu	The Delete Help Language command has been added.
Bug fixes	
Master Transpose	When transposing one semitone up (+1), the Manual Bass track was not affected.
Quarter Tone SysEx messages	Quarter Tone SysEx messages were not recognized when received via MIDI.
Write Performance	Percussion Off in Drawbar Organ Sounds was not preserved when writing a Performance to memory.
Style Play	When choosing a different Variation, the measure count always restarted from 1. Now it continues from the current measure count.
Song Play > Harmony Track	Harmony Track settings were not recalled when accessing the Song Play mode.
Song Play > Pad Volume	The Acc/Seq slider did not control the Pads' Volume.
Sequencer	There was a random problem with the Locate Measure parameter during song edit operations.
Sound Edit	<p>Sometimes, User Sounds saved with OS versions from 2.0 to 3.0 were not associated to the right User Multisample. This could result in Sounds playing the wrong Samples. This problem existed when single Sounds of banks or Sounds were loaded; it did not exist when loading full .SET folders.</p> <p>To solve this problem, we changed the User Sound's format. After having loaded OS 3.01, you must convert the User Sounds created with OS versions from 2.0 to 3.0 (assuming they make use of User Samples) to the new format. Load the old .SET folders, and save each single User Sound, making use of User Samples, over itself (i.e., at the original location). This is detailed in the "Pa1X-301U-Readme" leafsheet.</p>
Sampling	After recording a sample, sometimes audio stopped working when exiting from Sampling mode.

Pa1X Operating System ver. 3.0

Pa1X Operating System version 3.0 adds new features and improves some functions.

Note: After installing this new Operating System, please also load the new Musical Resources (3.0). This is mandatory with this OS version. If the User area contains custom data, please save them to disk (by using a Save > All operation) before loading the new resources.

Additions	
Control Panel	Variation/STS Link controlled by the Single Touch button

Various Modes	Volume Link function, to proportionally change the volume of all Upper, Style o Song tracks at once
	Lower track held when changing Performance or STS
	In SongBook and Disk mode, touching a label selects a different list order
	Start/Stop, Play/Stop Seq 1, and Play/Stop Seq 2 commands simulated by Program Change messages received on the Midi In Control channel
	Copy FX between Styles, Performances, STSs and Songs
	In the Event Edit pages (Style Record, Pad Record and Sequencer modes), events can be scrolled by means of the Shift + Dial combination
	Select button turns green when pressed in the Drum Volume and Easy Edit pages (Style Play, Song Play and Sequencer modes)
Style Play Mode	“Expert” chord recognition mode
Song Play Mode	Play All Midifiles/MP3 files in a folder, to quickly create a Jukebox list
	Lyrics loaded as ".Txt" files can be scrolled with the Dial
	Song Markers, for a quick jump to a given position in the Song
	Lyrics/Marker Balance Link
	Best GM Sound Select function, to let the sequencer replace GM-compliant sounds with the best Pa1X sounds
	Fast Play, for a quicker Song start by beginning playback from the first note
SongBook Mode	All four STSs of the current Style copied to a Song Book entry in a single pass
	Harmony Track memorized with each SongBook entry
	Selected Custom List item remains in the middle of the list during play
	Shortcut: Shift + SongBook recalls the Custom List page
Sound Mode	Factory Sounds overwriting, to create custom Sound banks
Global Mode	Aftertouch On/Off
	Lower Lock, to keep the Lower track unchanged when choosing a different Style, Performance or STS
	Keyboard Mode and Chord Scanning Lock, to keep the keyboard mode and chord scanning unchanged when choosing a different Style, Performance or STS
	Style Track Volume Lock, to keep the volume of the Style tracks unchanged when choosing a different Style or Performance
	Style/RT Track Balance (Style Play mode) and Song/RT Track Balance (in Song Play mode)

	controlled via the Acc/Seq Volume slider
	Volume of all four Pads assigned to the sliders or pedals
	Auto Select settings saved into the Global
Disk Mode	Factory Sound Protect parameter added
Improvements	
General	Lower track held when selecting a different Performance or STS.
Global	Lock page reorganized.
Disk Mode	File overwrite procedure enhanced.

Pa1X Operating System ver. 2.54

Pa1X Operating System version 2.54 enhances CD-RW operations.

Improvements	
Disk > CD	CD-RW operations have been optimized.

Pa1X Operating System ver. 2.53

Pa1X Operating System version 2.53 fixes some bugs and improves one function.

Bug fixes	
Sampling > Load Sample	Sometimes, converted Akai™ samples did not play correctly.
Improvements	
Disk > Save > New SET	After having created a new .SET folder, you no longer need to press Save to complete the save procedure. The New SET command creates the new folder and saves the data.

Pa1X Operating System ver. 2.52

Pa1X Operating System version 2.52 fixes some bugs and improves one function.

Bug fixes	
Global > General Controls > Lock	With the Pad lock turned on, the value of Control Change messages (like Volume, Pan, C Send and D Send) did change when switching to a different operating mode. Now they are

	correctly locked.
	With the Fill Mode lock turned on, assignment to the Style Controls > Drum/Fill > Fill Mode parameters was not read from Performance 1-1 at startup. Now they are correctly read.
Improvements	
Style Play > Preferences > Style Setup > Style Change On By Default	Now you can choose the status of the STYLE CHANGE button at startup. The "Style Change On By Default" checkbox has been added to the Style Play > Preferences > Style Setup page. After checking or unchecking the box, choose "Write Global-Style Setup" from the page menu to save the settings.

Pa1X Operating System ver. 2.51

Pa1X Operating System version 2.51 fixes some bugs and improves one function.

Bug fixes	
Damaged Samples and Drawbars	Sometimes, User Samples and Drawbars could get damaged, resulting in audible noise.
Style Play > Preferences > Bass&Lower Backing	With the Bass&Lower Backing function turned on, and the Style stopped, switching to a different STS with the Lower track set to mute, then starting the Style, could result in the Lower track always remaining on.
Style Play > Style Select	When choosing Direct HD or Direct FD Styles, the Style Up/Down commands assigned to an Assignable Switch, Assignable Pedal or EC5 switch didn't work.
Song Play	When trying to save a Song, the system didn't warn when the original file was protected. You could have been mistakenly sure the file had been saved, while it had not. Now a message appears warning you the original file is protected.
Sequencer	
Sequencer > Quick Record	The Fill Mode lock didn't work.
SongBook	STS of SongBook entry #256 (and multiples) appeared empty.
Global > Master Transpose Lock	With the Master Transpose Lock closed (and saved to the Global), and a transpose value different than zero saved into Performance 1-1, Pa1X did boot with the correct transpose value shown, but no actual transposition in effect.
Improvements	
Song Play	The space in memory for loading Songs has been increased. A message shows when the file is too big to be loaded.

Pa1X Operating System ver. 2.50

Pa1X Operating System version 2.50 adds new features and improves some functions.

Note: After installing this new Operating System, please also load the new Musical Resources (2.50). This is mandatory with this OS version. If the User area contains custom data, please save them to disk (by using a Save > All operation) before loading the new resources.

Additions	
Control Panel	Variation/STS Link controlled by the Single Touch button
Various Modes	Volume Link function, to proportionally change the volume of all Upper, Style o Song tracks at once
	Lower track held when changing Performance or STS
	In SongBook and Disk mode, touching a label selects a different list order
	Start/Stop, Play/Stop Seq 1, and Play/Stop Seq 2 commands simulated by Program Change messages received on the Midi In Control channel
	Copy FX between Styles, Performances, STSs and Songs
	In the Event Edit pages (Style Record, Pad Record and Sequencer modes), events can be scrolled by means of the Shift + Dial combination
	Select button turns green when pressed in the Drum Volume and Easy Edit pages (Style Play, Song Play and Sequencer modes)
Style Play Mode	“Expert” chord recognition mode
Song Play Mode	Play All Midifiles/MP3 files in a folder, to quickly create a Jukebox list
	Lyrics loaded as ".Txt" files can be scrolled with the Dial
	Song Markers, for a quick jump to a given position in the Song
	Lyrics/Marker Balance Link
	Best GM Sound Select function, to let the sequencer replace GM-compliant sounds with the best Pa1X sounds
	Fast Play, for a quicker Song start by beginning playback from the first note
SongBook Mode	All four STSs of the current Style copied to a Song Book entry in a single pass
	Harmony Track memorized with each SongBook entry
	Selected Custom List item remains in the middle of the list during play
	Shortcut: Shift + SongBook recalls the Custom List page
Sound Mode	Factory Sounds overwriting, to create custom Sound banks

Global Mode	Aftertouch On/Off
	Lower Lock, to keep the Lower track unchanged when choosing a different Style, Performance or STS
	Keyboard Mode and Chord Scanning Lock, to keep the keyboard mode and chord scanning unchanged when choosing a different Style, Performance or STS
	Style Track Volume Lock, to keep the volume of the Style tracks unchanged when choosing a different Style or Performance
	Style/RT Track Balance (Style Play mode) and Song/RT Track Balance (in Song Play mode) controlled via the Acc/Seq Volume slider
	Volume of all four Pads assigned to the sliders or pedals
	Auto Select settings saved into the Global
Disk Mode	Factory Sound Protect parameter added
Improvements	
General	Lower track held when selecting a different Performance or STS.
Global	Lock page reorganized.
Disk Mode	File overwrite procedure enhanced.

Pa1X Operating System ver. 2.02

Pa1X Operating System version 2.02 fixes some bugs.

Bug fix	
MP3 Record	Under some circumstances, it was impossible to exit from record.

Pa1X Operating System ver. 2.01

Pa1X Operating System version 2.01 fixes some bugs and improves a function.

Bug fixes	
Synchro Start/Stop	Sometimes, when the Synchro Start and Synchro Stop buttons were both activated, hitting the keys hard made the Intro 1 or Ending 1 stop playing.
Style Play	Notes held in the Upper tracks were cut when switching to Intro 1 or Ending 1.
Song Play	CC#65 did enable the Portamento, but didn't disable it. This resulted in the Portamento not being reset, therefore in a wrong tuning.

	GS SysEx commands, related to Scale programming, were not read correctly.
Global > General Controls > Transpose Control > Transpose applies to Midi In notes	Notes received on the Chord channel are not transposed, even if the "Transpose applies to Midi In notes" parameter is checked.
Global > Basic > Interface > Auto Select > Auto Sound/Performance Select	Sometimes, the Auto Performance Select option caused the Performance Select window to behave fuzzily, until you pressed the EXIT button on the control panel.
Global > Basic > Interface > Auto Select > Auto Style Select	Sometimes, with the Auto Style Select option engaged, selecting a Direct FD Style could cause the instrument to malfunction.
Global > Voice Processor Setup > Talk > AutoTalk	When the AutoTalk function was turned on, in Sequencer mode, the Talk function no longer disengaged when pressing PLAY.
Disk > Load	Loading a ".SET" file containing PCM data while playing could damage the samples.
Improvements	
Boot	The boot time is now shorter (assuming the "PCM Autoload" function is not turned on).

Pa1X Operating System ver. 2.0

Pa1X Operating System version 2.0 adds new features, improves some functions, and fixes some bugs.

Note: After installing this new Operating System, please also load the new Musical Resources (2.0). This is mandatory with this OS version. If the User area contains custom data, please save them to disk (by using a Save > All operation) before loading the new resources.

Additions	
Musical Resources	New Hit and Sequence Pads.
General	Beat counter in Song Play and Sequencer mode.
	Quarter Tone and Track Scab Assign are transmitted/received via MIDI as SysEx messages.
Style Record / Pad Record / Sequencer > Event Edit	Notes play when selected in Event Edit.
Style Record / Pad Record / Sequencer > Velocity	Edit of Velocity values by means of curves and envelopes.
Style Play	Shift + Single Touch shortcut added to enable/disable the "Variation/STS Link" parameter.
Style Play > Pref > Global Setup >	Bass Inversion and Memory functions controlled by means of Velocity.

Velocity Control	
Style Play > Pref > Global Setup	Variation/STS Link parameter.
Style Record > Page menu > Write Style	Direct writing of Styles into Direct HD banks.
Song Play > Pref > General Controls	Lyrics/Balance Link parameter.
Song Play > Lyrics > Options	Text Follow parameter.
SongBook	Second Book Edit pages.
	Synchro Start/Stop and Memory status saved with the entries.
SongBook > Book Edit 2 > Linked .TXT	Lyrics as text files associated to a SongBook entry.
SongBook > Book Edit 2 > Song Selection Number	Numeric selection of SongBook entries from the touch screen.
	Selection of SongBook entries via MIDI.
Sequencer > Song Edit	Move page.
Sampling > Main > Loop Edit	Crossfade Loop function.
	Loop Lock function.
Sampling > Page menu > Export	Export of AIFF/WAV files.
Song Play / Sequencer > Pause control	Pause command assignable to the Pedal/Switches.
Global > Lock	Style Tracks Play/Mute Lock added.
	Style Performance Master Transpose Lock.
Global > Gen.Ctrls > Interface	Track Activity display.
	Auto Style Select and Auto Performance/Sound Select parameters.
Global > Voice Processor	Voice Processor momentary switch controls.
Global > VP Setup > Talk	Auto Talk function.
Global > VP Preset > Harm.Note Input Source	Separate Chord Recognition for the Voice Processor.

Disk > Pref	Factory Style Protect changed to Factory Style/Pad Protect.
Disk	Data CD Writing.
Pads	Modified Pad panel and page.
	Pad Select window.
	Modified Pad buttons' behavior.
Style Play > REC > Select Record Mode	Pad Record mode.
Improvements	
General	Improved GM messages compatibility.
	Improved STS Name panel.
Sequencer	Pressing Stop no longer resets modified parameters.
Sampling > page menu > Delete > Delete Sample dialog box	Delete Unassigned Samples no longer deletes samples assigned to Drum Kits.
Event Edit	The Dial now works faster.
Bug fixes	
Song Play	Some Standard Midi Files created for Technics keyboards, contain messages interfering with the Tune sound parameter on the Pa1X. This has been fixed, and no longer interfere with Pa1X's sound generation.
SongBook	When reading a song with Sequencer 2, the STS was not selected.
SongBook > Book Edit 2 > Linked *.TXT	If a Song with a ".TXT" file was playing on a sequencer (for example, Sequencer 1), and you pressed the SELECT button of the other sequencer (in the example, Sequencer 2) to select a Song with a linked ".TXT" file, the Text Up/Down function no longer worked on the first sequencer (Sequencer 1). For example, Sequencer 1 is playing a Song with a linked ".TXT" file. You scroll lyrics by means of the Text Down command assigned to the ASSIGNABLE SWITCH 1. At this point, you press SEQ2-SELECT and select a Song with linked a ".TXT" file for Sequencer 2. The ASSIGNABLE SWITCH no longer works as the Text Down command.
Global > Midi > Midi In Control > Midi In Mute/Unmute	When the Lower track and the Chord 1/2 special channel were assigned to the same MIDI channel, and the "Midi In Mute/Unmute" parameter was checked, if you muted the Lower track, Chord tracks no longer received notes.
Global > Midi > Midi In Control > Chord 1/2 Midi Channel	

Pa1X Operating System ver. 1.61

Pa1X Operating System version 1.61 fixes some bugs.

Bug fixes	
Style Play > Mixer/Tuning > Volume/Pan > Upper Volume Link	The bug caused the Pa1X to freeze when one of the Upper tracks' volume was set to zero, and the Upper Volume Link parameter was checked.
Song Play > Play	The bug that caused some midifiles to randomly stop for a fraction of a second has been fixed.
	The bug that caused the Text Up/Down function to work erroneously when pressing a sequencer's Select button has been fixed.
SongBook > Write/Del Song	The problem appearing when saving or deleting a SongBook entry under certain circumstances ("Write Edit Song Failed" message) has been fixed. Note: SongBook files that appeared to cause this problem are NOT damaged. The problem is due to reading, not writing the files. Therefore, you can continue using them.
Disk > Format > Hard Disk	Formatting a new, blank hard disk on the Pa1X is now possible (this bug was available in v. 1.60 only).

Pa1X Operating System ver. 1.60

Pa1X Operating System version 1.60 adds new features, improves some functions, and fixes some bugs.

Note: After installing this new Operating System, please also load the new Musical Resources (1.60). This is mandatory with this OS version. If the User area contains custom data, please save them to disk (by using a Save > All operation) before loading the new resources.

Additions	
Musical Resources	Two new Snare Drum samples have been added to the Musical Resources. New Samples are SD Rock (#390) and SD Normal (#391).
	Four new Drum Kits have been added to the Musical Resources. New Drum Kits are Pop Std. Kit 1 (PC#120-000-089), Pop Std. Kit 2 (PC#120-000-090), Elektro Kit 1 (PC#120-000-096), Elektro Kit 2 (120-000-097).
	Four new Styles have been added to the World 1 bank.
Style Record > Page menu	Copy Chord Table command added to the page menu. (Can be accessed only when in the Style Element Chord Table page.)
Style Record > Record 1 > Copy Key/Chord button	You can now copy the Key/Chord of the current Chord Variation to all Style tracks (in all Chord Variations, i.e., the whole Style). This is an added option to the previous one, that only allowed to copy inside the current Chord Variation. The Copy Key/Chord dialog box has been modified to include the new option.
Improvements	
Generic	Sound/Style/Performance Select windows now open faster.
Help	French and Spanish Help pages have been revised.
MP3	Improved MP3 transport commands.
Style Play	When the arranger is not running, selecting a new Style deletes the memorized chord.

Style Play > Style Element Lock	The way the Style Element Lock behaves was changed. Now, if you select a different Style after pressing one of the FILL buttons, the fill is played only once, then the new Style enters. (This only works when the arranger is running.)
Sampling	Akai Sample and Program Import have been improved.
	Improvements in WAV and AIFF file import.
	Larger sampling buffer (maximum sampling time = 21.8s)
Disk > USB	Improved USB connection (formerly, the connection was not always activated at the first attempt).
Bug fixes	
Aftertouch	Aftertouch on Upper tracks could sometimes not completely be reset, if releasing the Upper notes after applying pressure on the Lower track. This has been fixed.
Ensemble	While in Song Play mode, the Ensemble now works correctly (the ENSEMBLE LED correctly turns on).
Style Play > Internal/External	The Internal/External track status is now correctly updated when selecting a different Performance.
Style Play > Bass & Lower Backing	When using the Bass & Lower Backing function, while the Memory function was set to "Chord + Lower", the Bass note was not sustained. This has been fixed.
Style Record	Entering in Style Record with the STS Name panel displayed, no longer hangs the instrument when exiting from Record, after selecting the Write Style command from the page menu.
Song Play	In Song Play it was not possible to select a Style using the dedicated "Control" MIDI channel. This has been fixed.
SongBook > FX	The selected Modulation Track for the C/D FX Group, as programmed in Song Play mode, are now saved to SongBook STSs.
Sound Edit > Pitch > Pitch Mod.	The "Fingered" Portamento mode did not work correctly. This has been fixed.
Sampling > Load Sample > Akai	Sometimes, the loop of Akai samples could click, due to erroneous reading of the loop points. This has been fixed.
Sampling > Load Sample > Wave	Sometimes, an error could happen when loading certain types of WAV files. This has been fixed.
Sampling > Multisample	Selecting a single-note range (i.e., from C2 to C2) used to cause a problem in note assignment. This has been fixed.
Disk > Full Resource Restore	Restoring a Backup file from CD used to fail at the first attempt (the second was just fine). This has been fixed.

Pa1X Operating System ver. 1.52

Pa1X Operating System version 1.52 improves the internal memory management.

Improvements	
Flash-ROM	Internal memory (Flash-ROM) drivers have been optimized.

Pa1X Operating System ver. 1.51

Pa1X Operating System version 1.51 adds the Spanish Help, improves some functions, and fixes some bugs.

Additions	
Help	Spanish Help added.
Improvements	
MP3 Playback/Record	MP3 Playback/Recording has been optimised.
CD Audio Playback	CD Audio Playback has been optimised.
SongBook	Master Transpose saved with the SongBook entry overrides any Master Transpose setting contained in the Song.
Sampling > Time Slicing	Time Slicing has been improved.
Sampling > Page menu > Export MultiSample	MultiSample export has been improved.
Bug fixes	
Microphone input's level	When the microphone level was set to zero, and you selected a Performance or STS, the microphone's level was abruptly set to the default value (110).
Song Play > Master Transpose	Master Transpose saved with a Song was only recognized when reading the Song with Sequencer 1. It was not recognized when the Song was read with Sequencer 2.
SongBook > BookEdit > Saving a Style entry	When saving an entry based on a Style, effects assigned to the A/B FX groups were not saved correctly.
SongBook > Book/Custom List > Select	When selecting an entry and trying to press the Select button too quickly, the entry correctly turned green (selected), but the Select button turned grey and could not be pressed.
Sequencer > Master Transpose	Song's Master Transpose was only saved the first time, and could no longer be modified.
Backing Sequence Record	Drawbar movements were not correctly recorded in a Backing Sequence.
Global > Audio Outputs	Audio output assignments were not saved correctly in the Global.
Disk > Load > Loading a	Loading a SongBook file only loaded the first 256 entries in the SongBook database.

".SBD" (SongBook) file.

This limit has been removed.

Pa1X Operating System ver. 1.50

For a list of functions introduced with version 1.50, please download the "Pa1X-160U.pdf" addendum manual from the Manuals section of the www.korgpa.com web site.

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