

OASYS software version history

Changes in OASYS software version 1.1.1

Availability – February 2006

Bug fixes

In version 1.1, in some cases, a drum/chord pad might have triggered automatically at startup. This might have caused a sound to play, or started KARMA. This has now been fixed.

LCD color, contrast, and brightness settings (as made in the Global LCD Setup menu) were reset to the default values on startup. This has now been fixed.

Improved functionality

Various error messages and installation screens have been improved.

Changes in OASYS software version 1.1

Availability – January 2006

New features

OASYS software version 1.1 adds a number of new features, including the STR-1 Plucked String EXi, support for up to 2GB of RAM, a new AMS Mixer type, and more.

New EXi: STR-1 Plucked String

As the first EXi update for OASYS, the STR-1 Plucked String advances the state of the art in physical modeling, building on over a decade of Korg's research with new innovations exclusive to OASYS. It offers a comprehensive and sophisticated set of synthesis tools, capable of creating both traditional sounds (acoustic and electric guitars and basses, clavichords and harpsichords, harps, bells, electric pianos, ethnic instruments, etc.) and unique, experimental timbres.

For more information, see "EXi: STR-1 Plucked String" on page 233 of the Parameter Guide.

Support for up to 2 GB of RAM

OASYS now supports up to 2 gigabytes of RAM, which can be used for RAM and EXs samples. Among other things, this means that you may now load both EXs1 and EXs2 at the same time, if desired.

For more information, see "Installing memory" on page 1004 of the Parameter Guide, "Expansion Sample Setup" on page 648, and "Sampling and RAM" on page 529 of the Parameter Guide.

Supported DRAM DIMM modules

The OASYS has two DIMM sockets. One slot is occupied by factory-installed memory; the other is left open for user expansion.

- ⚠ Some commercially-available memory will not work with the OASYS. The following types of memory are supported.

Specifications: 184-pin DIMM DDR SDRAM, unbuffered, non-ECC

PC2700 (DDR333 CL2.5)

PC3200 (DDR400 CL3)

Capacity for the additional DIMM: 512MB or 1GB

- ⚠ DRAM DIMM is not a manufacturer option. Please use commercially-available memory sold for computers.

If you have any questions regarding the type of DRAM DIMM modules that can be used, please contact your local Korg distributor.

EXi audio input

OASYS now includes standard parameters for routing audio into EXi instruments. You can use this for processing live or recorded inputs through EXi synthesis engines, or for creating feedback loops.

Initially, these features are supported by the new STR-1. For more information, see "4-2: EXi Audio Input" on page 160 of the Parameter Guide (Program mode), "2-6: EXi Audio Input" on page 330 of the Parameter Guide (Combination mode), and "2-6: EXi Audio Input" on page 440 of the Parameter Guide (Sequencer mode).

For information on using audio input with the STR-1, see "4-8c: Feedback" on page 255 of the Parameter Guide.

New AMS Mixer type: Gate

This new Mixer Type lets you set up two different AMS sources (or fixed AMS amounts), and then switch between the two using a third AMS source.

It's similar to an audio gate with a side-chain, but with even more flexibility—since you get to choose what happens when the gate is closed (below the threshold), as well as when it's open (above the threshold).

Among other things, you can use this to apply pitch bend to some notes, but not to others, based on the state of a controller at note-on.

For more information, see "Gate" on page 94 of the Parameter Guide.

Half-Damper Enable

In the previous OASYS software, Half-Damper pedals, normal sustain pedals, and MIDI CC#64 modulated the Amp EG Release Time by default. This feature may now be enabled or disabled as desired, on a per-Program basis.

For more information, see “1–1f: Half-Damper Control” on page 35 of the Parameter Guide (HD-1 Programs) and “4–1g: Half-Damper Control” on page 159 of the Parameter Guide (EXi Programs).

Footswitch can control Inc/Dec

You can now assign the foot-switch to control the front-panel Inc \triangle or Dec ∇ buttons. This can be convenient in certain live performance situations. For more information, see “Using a footswitch to select Programs” on page 43 of the Operation Guide, and “Foot Switch Assign” on page 953 of the Parameter Guide.

Improved functionality

Response to notes with extremely short duration (such as can be created by KARMA) has been improved.

The audio quality of the Stereo Mastering Limiter has been improved.

Wave Sequence **Quantize Trigger** will now work better when syncing to a particularly unstable external MIDI clock.

General improvements have been made to audio track recording and playback.

Bug fixes

General

The Public ID is now shown properly when re-authorization is required (due to having formatted the internal hard drive, for instance).

KARMA

Copy KARMA Module now correctly copies the **Receive MIDI Filter** setting for the Ribbon (CC#16).

Copying certain KARMA settings (DynaMIDI, Slider/Switch names, and Tempo) from a Program to a Combi did not work correctly. This has been fixed.

RESET CONTROLS now works properly with **KARMA Latch** and **On/Off**.

MIDI

OASYS now responds to MIDI Device Inquiry Messages sent to Channel=0x7f (any Channel).

OASYS now responds properly to the MIDI RPN Detune message.

If OASYS received extremely large bursts of Note-ons without corresponding Note-offs, the system might have temporarily stopped responding to new Note-ons. This has now been fixed.

The on-screen display of the AMS Mixers might have become out of sync when receiving SysEx Parameter Change messages. This has now been fixed.

Pads set to send/receive MIDI CCs could still respond to notes under certain conditions. This has now been fixed.

Programs

RESET CONTROLS now works properly with “Knob+” AMS routings.

Fingered portamento should now work correctly.

When importing Absolute Tone Adjust settings from a Program, the actual value was correct, but the displayed value might have been incorrect. This has now been fixed.

Filter B is now initialized properly when switching the **Filter Routing** from **24 dB/oct** to another setting.

When **Amp Pan** was set to **Random**, the PAN knob on the main page displayed L001. This has now been fixed.

Using the **Reset Tone Adjust** command on an EXi Program might have caused an operation error. This has now been fixed.

When the Wave Sequence **Loop Direction** was set to **Backward**, the specified number of repeats was ignored; instead, the Wave Sequence always repeated infinitely. This has now been fixed.

Sequencing and Hard Disk Recording

When multiple audio tracks were set to record from the same REC source bus, the record level faders for lower-numbered audio tracks would affect the record level of higher numbered tracks. This has now been fixed.

Importing a WAVE file into an audio track (in Sequencer mode) and then enabling looping in Sample mode might have caused noise in the audio track. This has now been fixed.

In Sequencer mode, crossfading audio events and then pressing **COMPARE** might have caused noise in the audio track. This has now been fixed.

Sampling

If you selected a directory as a save destination in DISK mode, and then attempted to rename that directory during sampling to disk, an operation error might have occurred. This has now been fixed.

On the Sample Edit page, holding down the root note of a sample on the keyboard and then pressing the on-screen **Play** button could cause the sample to loop indefinitely. This has now been fixed.

Truncating a sample could cause a noise at the end of the sample. This has now been fixed.

Disk

The first time that the WAVE file Preview function is used after power-on, the very beginning of the WAVE file would not play correctly. This has now been fixed.

In certain cases, when **Multiple Select** was enabled in Disk mode, the on-screen **PLAY** button might be enabled for files to which it did not apply. This has now been fixed.

Changes in OASYS software version 1.0.2

Availability – October, 2005

The following items describe the functional improvements and bug fixes included in this version of the operating system.

General

Bug fixes

Notes could sometimes get “hung” (remain sustaining) when playing certain Programs or Combinations while using the damper pedal. This has been fixed.

KARMA

Bug fixes

Notes could sometimes get “hung” (remain sustaining) while using the KARMA function. This has been fixed.

When re-selecting a Combination, some of the Control Surface Switch and Slider values may not have always reset correctly. This has been fixed.

Some default KARMA settings were not set properly when creating a new Song, loading certain Preset Template Songs, and some of the Factory Demo Songs. This has been fixed.

In Program mode some KARMA Dynamic MIDI RT Parameters (P7: KARMA Dynamic MIDI RT Params Control) were not set properly. This has been fixed.

Changing Modes or re-setting the Sequencer Location may have affected KARMA GE playback. This has been fixed.

KARMA sound may have been varied from copy source when operating **Copy from Program** on page menu command on Combination and Sequencer mode. This has been fixed.

The **Copy from Program** command in Combination and Sequencer Modes did not always correctly bring in all the correct KARMA settings, resulting in slight sound changes. This has been fixed.

The **Copy KARMA Module** command did not always correctly bring in all the correct KARMA settings, resulting in slight sound changes. This has been fixed.

The RESET CONTROLS function (holding RESET while pressing the R.T. KNOB/KARMA button) did not always correctly restore all the KARMA function settings. This has been fixed.

The Value Range may not have been properly displayed when editing the Start Seed parameter (in any mode). This has been fixed.

In Combination and Sequencer modes, the Category of the Timbre / Track(s) controlled by the sliders and switches may not always have been displayed correctly (P7: KARMA Name / Note Map Tab, Master Layer). This has been fixed.

MIDI

Improved functionality

“Now receiving MIDI data” is now displayed only when receiving a MIDI exclusive data dump. Previously, it was displayed when receiving any type of System Exclusive data.

Bug fixes

In rare instances an operation error may have occurred when receiving data from the MIDI INPUT immediately after power-on. This has been fixed.

In GM Mode, Program Changes which would call up a “basic” GM sound in any of the Variation Banks (sounds which are the same as regular GM, not Level2 variations), would not always select the right sound. This has been fixed.

MIDI Device Inquiry messages [Channel=0x7f] may not have always been received properly. This has been fixed.

When set up in a MIDI loop with external MIDI devices and **Enable Exclusive** checked [Global P1: MIDI, MIDI Filter, Enable Exclusive on], the COMPARE function would not always operate properly. This has been fixed.

MIDI real-time messages may not have always have been sent properly when other messages were transmitted at the same time. This has been fixed.

MIDI RPN Detune messages may not always have been received properly. This has been fixed.

Programs

Bug fixes

In the AL-1, Filter A (P5) the Pan parameter is now properly greyed out in the display when routings other than Parallel are selected.

In the AL-1, Tone Adjust values for EG3 and 4 would automatically become zero if they were assigned to a SWITCH. This has been fixed.

In the CX-3, the direction of slider display and operation was reversed when **Noise** was assigned to a Tone Adjust slider. This has been fixed.

In the CX-3, drawbar settings were not displayed properly on the P5: Drawbars page after using the **Copy Drawbars** and **Swap Drawbars** commands. This has been fixed.

Combinations

Bug fixes

Pad Chord assignments may not always have been stored properly when Transpose is set to a value other than 00 in Global mode. This has been fixed.

Sequencing

Improved functionality

When an HD-1 Drum Program is copied using the **Copy from Program** or **Auto Song Setup** commands, the BUS Select setting for IFX routing now corresponds to the Program's original setting.

When editing beat/tick values in Event Edit, the currently edited event now stays selected even after it moves location in the Event List.

Bug fixes

After selecting an effect using the FX Presets, then changing Songs and returning to the original Song, the FX Preset effect would not always sound correct. This has been fixed.

If you changed certain parameters while the Sequencer was stopped (such as Track Pan), which had various values throughout the Song, when you played back the Song the parameter might not always playback properly. This has been fixed.

(P5: Pattern / RPPR) In rare instances an Audio Track may have played back during Pattern Edit operations (P5: Pattern / RPPR). This has been fixed.

The Auto Song Setup in Program mode did not always copy Audio Input-related settings when **Use Global Setting** was Off. This has been fixed.

When using the Copy From Program or Combination commands while a Song was located near the middle, subsequent locating to the start of the Song would not always reset the Track volume, pan etc. properly. This has been fixed.

If a Song is stopped at a location not at the beginning, pressing Compare and then making a Mode change might have crashed the system. This has been fixed.

The timing of the notes generated by In-Track Sampling would sometimes be incorrect when the sampling trigger setting was set to Note On. This has been fixed.

Hard Disk Recording

Improved functionality

Previously, WAVE files could still be saved into Locked folders during Audio Recording. This is no longer allowed, and a message comes up on-screen before recording can be started.

The speed of waveform display for the Edit WAVE command (P4: Track Edit For Audio Tracks) has been improved.

Waveform edit processing for the Audio Track **Adjust Region to Song's tempo (Time Stretch)** command has been improved.

Bug fixes

(P4: Track Edit, Trim Region, Edit Region) When touching invalid areas near the ZOOM button, the selected Edit Cell used to revert to the default (End might have changed to Start, for example). This has been fixed.

When using stereo-paired Audio Tracks, changing Tracks during Record Standby might cause a system error. This has been fixed.

After running the **Adjust Region to Song's Tempo (Time Stretch)** command for an Audio Track, the Region displayed on Audio Event Edit was not always the correct data. This has been fixed.

WAVE files imported from ProTools did not always play back properly. This has been fixed.

The REC Source for the current Track was not always set up properly by the Auto HDR / Sampling Setup command. This has been fixed.

When switching the REC Source of an Audio Track during recording, the source would not always change even though the display changed. This has been fixed.

If you have deleted a WAVE file that was in use by a Region, trying to perform Audio Event Edits to that Region would cause an error. This no longer happens – now you simply can't perform edits to an empty region.

Attempting to do a crossfade on a stereo-paired Audio Track might cause a system error. This has been fixed.

(P4: Track Edit) After editing a stereo-paired Audio Track using the Trim Region command, **Compare** may not have always operated properly. This has been fixed.

When recording multiple Audio Tracks set to the same REC Source, each recording level may not have been recorded as set. This has been fixed.

Sampling

Bug fixes

(P2: Loop Edit) Selecting Indexes with the ten-key buttons did not always work. This has been fixed.

(P2: Loop Edit) In the Time Slice / Time Stretch dialog, using the 10-key pad to select an Index number larger than the current number of Indexes might have resulted in display and sound errors. This has been fixed.

During the Save / Load operation of a KSC file (Save All), the current Index may not have displayed or played properly. This has been fixed.

Global

Improved functionality

The **Update System Software** command has been made functional for future updater CDs.

Bug fixes

(P0: Basic) After setting the **System Clock** to **Word Clock**, and then writing the Global settings, after the next power on the system would operate internally as if **System Clock** were set to **Internal**. This has been fixed.

(P1: MIDI) When executing the **Dump Sequencer** command, the progress bar may not have always displayed properly. This has been fixed.

Disk

Bug fixes

Previewed Programs (highlight in Disk Mode and play the keyboard) would not always sound correctly. This has been fixed.

Mac OS X “.ds_store” files could not be deleted, and directories that contained them could not be copied. This has been fixed.

Parentheses were not able to be used in file or directory names. Now they can.

In rare instances, when copying a WAVE file the resulting file would become corrupt, and not be able to be deleted or renamed. This has been fixed.

In rare instances the **Delete Unused WAV Files** command would also delete some files it shouldn't. This has been fixed.

Saving large SNG files across multiple media with the SAVE ALL command did not always work properly. This has been fixed.

Loading Tracks data from a stored Song into a new Song did not always load properly. This has been fixed.

In rare cases, after removing an audio CD while on the Play Audio CD tab, using the value dial may have caused a system error. This has been fixed.

Changes in OASYS software version 1.0.1

Availability – August 2005

The following items describe the functional improvements and bug fixes included in this version of the operating system.

General

Bug fixes

In rare instances, the slider and knob LEDs might not match the actual slider or knob value. This has been fixed.

Using the WAVE file play function, playback may not have started exactly at the beginning of the WAVE file. Also, the playback may not have stopped immediately. This has been fixed.

Multisample operations such as **Copy MS** or **MS Mono to Stereo** in SAMPLING mode, and **Load Multisample** in DISK mode may not have sounded correctly without re-assigning the Multisample to the Program or Wave Sequence. This has been fixed.

KARMA

Bug fixes

In Global mode, if the Foot Switch Assign parameter on the P2 Controllers/Scale page was set to **Program Up** or **Program Down**, the Program or Combination selected using the footswitch may not always have sounded properly. This has been fixed.

While the KARMA Master Module was selected, using **RESET CONTROLS** to reset a slider value (moving the slider while holding down **RESET CONTROLS**) may not have always worked correctly. This has been fixed.

MIDI

Bug fixes

MIDI CC messages assigned to Vector Joystick X and Y (CC# 118 and #119 by default) may not have been received properly. This has been fixed.

Superfluous SysEx messages were sometimes sent during Tone Adjust operations when the TouchView display was showing Effect edit pages with realtime graphics (limiters, compressors etc.). This has been fixed.

Programs

Bug fixes

The LED and LCD displays may not have been accurate when working with a Program from a GM Variation bank. This has been fixed.

Using the Control Surface to control Master Volume may not have affected the level of the default program I-A000. This has been fixed.

Exp/Comp edits performed on EXi Step Sequencers may not have operated correctly. This has been fixed.

Sequencing

Improved functionality

When using In-Track sampling, the time-stamp accuracy of the automatically produced Sequence note event has been improved.

The Vector Joystick operation when playing back a recorded track has been improved for speed and accuracy.

Bug fixes

The Pad Chord assign feature may not have correctly assigned the proper MIDI channel to the Pad notes if the MIDI channel of the selected track did not match the Global MIDI Channel. This has been fixed.

When the playback of the Sequencer is sampled directly to disk, the recording level may not be correct when the REC level is under 0dB. This has been fixed.

When using the page menu command **Save Template Song**, the track names may not have been saved correctly. This has been fixed.

The name of an existing track may not have been updated after loading in a Template Song. This has been fixed.

When recording (realtime or pattern) with **Loop All Tracks** on, the STOP command may not have worked accurately. This has been fixed.

When using Compare after using the **Delete Song** command, KARMA may not have played properly. This has been fixed.

While recording in the Sequencer mode, operational errors might have occurred as the internal memory began to run out. This has been fixed.

The correct Program might not have been played when comparing after using the In-Track Sampling feature. This has been fixed.

Changing the tick value of the editing location while playing back a sequence might not have displayed a valid value. This has been fixed.

The name saved with a User Pattern may not have been shown when the Pattern was loaded. This has been fixed.

After using the **Copy Track** command, the Control Surface **SOLO** and **SELECT** functions might not have worked correctly. This has been fixed.

MIDI Universal Exclusive Master Volume data was not always recorded properly. This has been fixed.

After changing the parameters of a preset FX, the parameters may have been altered by changing Songs or Modes. This has been fixed.

When MIDI Clock synchronization was set to **External MIDI**, Patterns (see Sequencer P5: Pattern/RPPR) could not be played or recorded. This has been fixed.

Using KARMA Wave Sequencing on a track which was not set to the Global MIDI channel would not always play properly. This has been fixed.

After loading an SMF file in Song mode, deleting a Master Track tempo event may have caused an operational error. This has been fixed.

Hard Disk Recording

Improved functionality

Audio Track playback performance has been improved when **MIDI Clock** is set to **External MIDI**.

When using the HDR setting (recording for audio track) command in the Auto HDR/Sampling Setup function, the Multi REC automatic set-up has been improved.

Bug fixes

When playing back an audio track using automation, pan events recorded as **Stereo Pair / Pan Mode: Individual** may have been played as **“Pan Mode: Balance**. This has been fixed.

After changing the settings of Recording Setup parameters such as **Overwrite** and **Loop All Tracks**, Audio Tracks may not have played correctly. This has been fixed.

When **Exclusive Solo** is on, the Mode and Solo functions may have temporarily muted the playback of Audio Tracks. This has been fixed.

When editing an Audio Track, the actual condition of **Solo** may have been different from the displayed value. This has been fixed.

When saving Sequence data into the TEMP directory (or when deleting a directory with correctly saved WAVE file data), the corresponding WAVE file may not have played correctly. This has been fixed.

When going back and forth between Region Edit and Trim Region of an Audio Track, the selected WAVE file may have not been played by pressing the PLAY button on the LCD or the SAMPLING START/STOP button. This has been fixed.

Sampling

Improved functionality

The Edit Range defined in the “P1:Sample Edit” page can now be set to fewer than 32 samples.

Bug fixes

When playing back a sample in the Sequencer set to trigger from the Sequencer START SW, some blank space would sound at the beginning of playback. This has been fixed.

On the P1:Sample Edit page, when playing the Edit range as defined by the **Edit Range Start** and **End** settings or the SAMPLING START/STOP button, the range may not have played properly, due to conflicts with the **Start**, **Loop Start**, and **End** address settings defined in the P2: Loop Edit page. This has been fixed.

When recording a sample defined by a fixed sampling time, the LED on the SAMPLING REC/START button may not have turned off when the sampling time was over. This has been fixed.

When editing the Start and Loop Start points with **Use Zero** enabled in the P2:LoopEdit page, a wrong value may have been displayed, and this value could not be edited. This has been fixed.

Global

Improved functionality

Value Inc and Value Dec parameters have been added to the P2 Controllers/Scale **Foot Switch Assign** function.

On the P2 Controllers/Scale page, when assigning a CC# to Pad 1 to 8, a value of zero is sent when the **PAD MODE** switch is set to **FIXED VELOCITY**.

Bug fixes

Under certain rare conditions, **Power On Mode = Memorize** did not work correctly. This has been fixed.

When editing Wave Sequence **Bank** parameters, a performance error could occur in certain rare circumstances. This has been fixed.

Disk

Improved functionality

You can now set the Sampling frequency when exporting AIFF and WAVE files.

When loading AIFF and WAVE files, **+12 dB** is enabled by default.

Bug fixes

When playing an audio CD, pressing the START/STOP button may not have always played the CD properly. This has been fixed.

Errors could sometimes occur when using the **SAVE ALL** command with CD-R media, depending on the data content. This has been fixed.