YAMAHA

A3000

PROFESSIONAL SAMPLER

Get a Grip on the Gro

Realtime control knobs, intuitive panel design and operation, easy-edit voice architecture, specialized multi-effects and much more make the A3000 a truly unique professional sampler with a sound and style that's all its own.

Designed from scratch for professional breakbeat and phrase sampling, the Yamaha A3000 sets new standards for ease of use and built-in versatility, providing the power to capture those lightning bolts of inspiration as they strike, plus a full range of handy sound processing tools and real time control features that let you "get a grip on the groove" and style your own personal pop signatures without resorting to racks of external gear.

An ideal workhorse for techno, jungle, hip hop—literally all types of modern dance music—the A3000 truly has something for everyone.

Professional musicians and sound designers will love its Easy Edit functions, cross-platform sound file compatibility and other time-saving features which help increase productivity in high-pressure composing and recording situations.

DJs will love its versatile sample mapping functions, original effects and real time performance features which provide an extra edge for keeping the dance floor hot and hopping.

Beginners will love its intuitive nature and general ease of operation which demystifies the sampling process and permits great-sounding results with a minimum of time and effort.

And everyone will love its irresistible price.

Style And Substance

With the A3000, everything you need is right at your fingertips, with all main functions printed in a matrix on the A3000's front panel. All parameters are instantly accessible through the quick touch of a Mode switch and function key or the simple twist of a control knob. A 40 x 2 LCD provides plenty of visual feedback as you do your thing.

And that's just what's on the outside. What lies within is a 16-bit sampler with a generous 64 notes of polyphony, a standard 2 MB of RAM expandable to a whopping maximum of 128 MB via four 72-pin SIMM sockets, plus all the dynamic filters, multi-effects processors, EQ and everything else you need to realize virtually anything you can imagine—and even open up new doors of spontaneous creativity that you never knew existed.

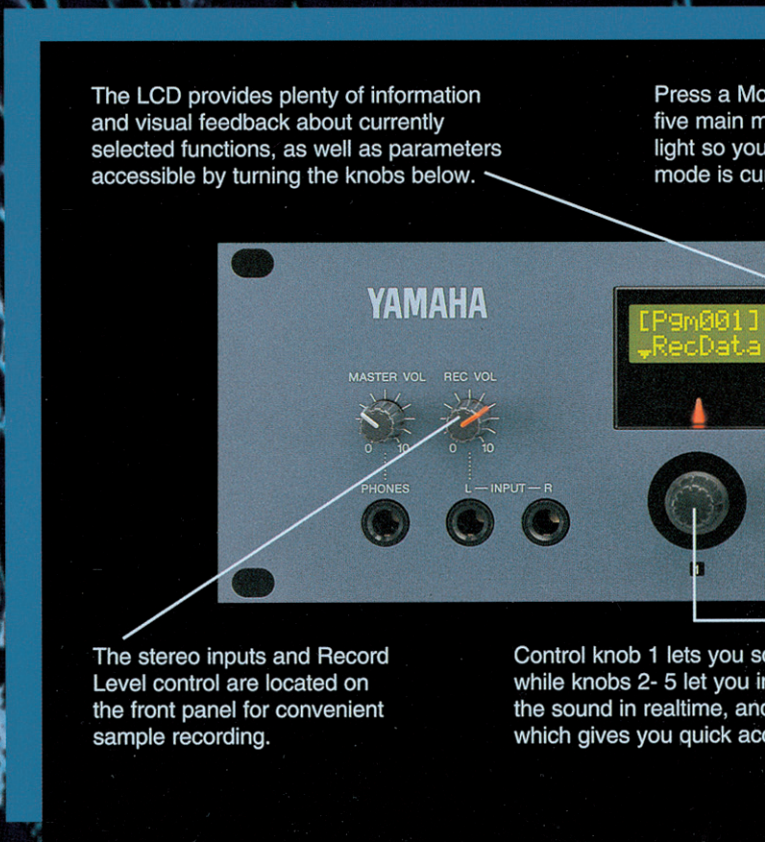
Sample It, Map It, Play It

Recording a great sample is simple: Just plug in your stereo or mono source, set the record level and Record mode parameters, and go for it—at a rate of 1, 22.05 ,11.025 or 5.5125kHz. (48kHz and 32kHz are possible from 48kHz and 32kHz sources if the optional digital input board is installed.)

Once you've recorded the basic sample, it becomes wave data which you can use to create individual samples, each with their own unique parameter settings, including mapping information such as note range, velocity limit, layer or split assignment, and MIDI channel, but all sharing the same basic wave data. This gives you the flexibility to make independent settings for each note for specific treatment of breakbeats and phrases.

You can copy the individual samples into a Sample Bank for setting up multi-sampled instruments or drum kits. Sample Banks are also ideal for compiling related samples such as breakbeat patterns, riffs and phrases, normal instrument and other sounds used for a specific song, for example, mapped across akeyboard for triggering in a realtime performance. Sample Banks include parameters with common values which you can edit just as you would an individual sample. You can always access and edit the individual samples used by the Sample Banks at any time.

Samples and Sample Banks are used to construct Programs. The



oove!

A3000 holds 128Programs in RAM, each with effects configuration and Easy Edit parameter settings. Easy Edit parameters let you make quick adjustments to Sample Banks as well as individual samples.

Stretch It, Filter It, Control It In Realtime

The A3000 provides you with an enormous range of control over your soundó not only as you edit individual samples and set up and edit Sample Banks and Programs, but also in realtime during play.

For example, the Beat Change function provides time-stretching for adjustingthe timing of a breakbeat or phrase loop, either faster or slower. This can be performed in realtime by turning a knob (or using an external MIDI controller) to adjust the tempo.

In the same way you can use the knobs (or MIDI input) for real-time control of the dynamic filters including Lo Pass, Hi Pass, Band Pass and Band Eliminate types—as well as envelope and parametric EQ settings.

What's more, control knobs 2 - 5 can be used as assignable controllers, and the six function keys can be used as sample triggers for internal sounds and MIDI out.

Hi-Fi, Lo-Fi, And Everything In Between

The A3000's high-quality DSP features three sophisticated effects blocks which can be freely configured, either as independent units or connected in series, for each Program. Individual parameters for all effects can be accessed and edited at will.

There are a total of 54 effects available, including everything from Hall, Room, Stage and various other reverb effects, to Delay, Echo, Pan, Chorus, Flange, Exciter, Distortion, Pitch Change and 3 Band EQ.

There are also a collection of original effects designed specifically for techno and dance music, including "AutoSyn", which makes any sample sound like it's been synthesized, "TechMod", which adds a ring modulation type effect to the sample, "Radio", a Lo-Fi type of effect which simulates the noisy sound of a cheap radio, and even "Turntable", which adds the clicks and pops of a vinyl record!

Song Sketchpad, Digital I/ O Options, And More

Versatile to the core, the A3000 features a no-frills but handy MIDI sequencer for quick and easy recording and playback of song sketches as well as playback of SMF (format 0) song data imported from a floppy disk.

Sound file compatibility includes the ability to load in files from popular samplers, as well as WAV (Windows) and AIFF (Macintosh) format files.

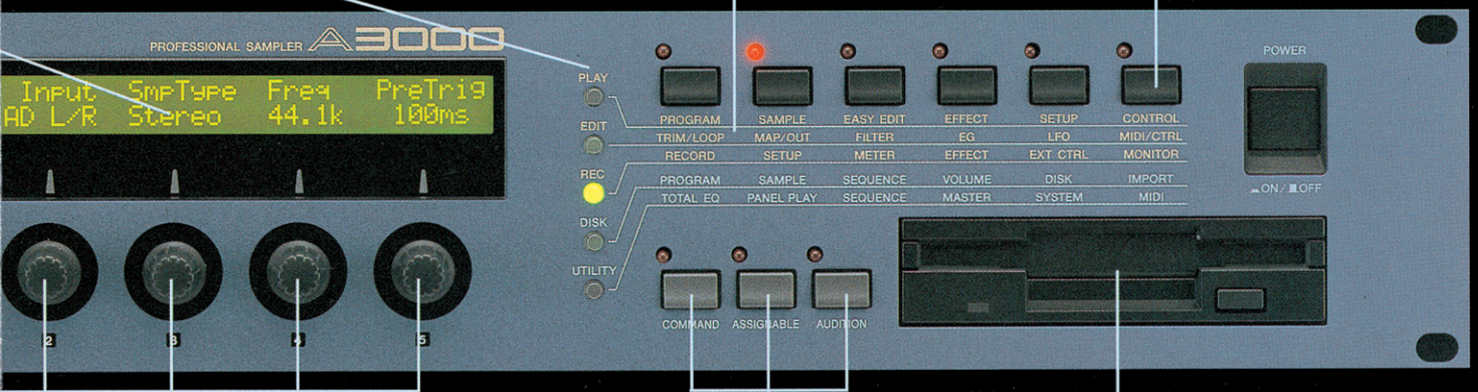
User-installed hardware options include an optional AIEB1 I/O expansion board with six assignable outputs and coaxial and optical digital I/O.

Auto Sequential Recording permits continuous creation of isolated samples from an audio phrase sampling CD, and CD-ROM Drive Control for controlling a CD-ROM drive like an audio CD player.

de button to activate one of the odes. The button you select will always know at-a-glance which rently active.

Any function you need is literally right at your fingertips. Five rows of function menus correspond to each of the five main modes. Select a function category by pressing the function key located above the category name.

Press the function key located above the function category name once or more to access a page of parameters, which display in the LCD. An LED above the key indicates the currently selected category. You can also assign individual samples to the six keys to trigger them from the front panel.

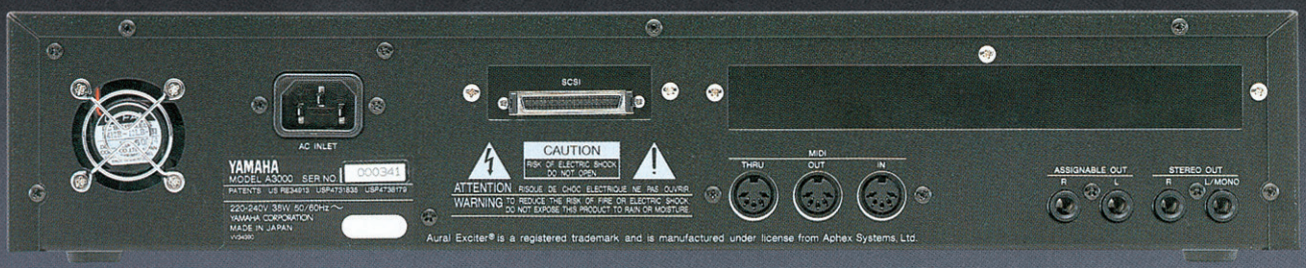


roll through the pages of functions, put values, control various aspects of more. Each knob has a push-switch ess to additional functions.

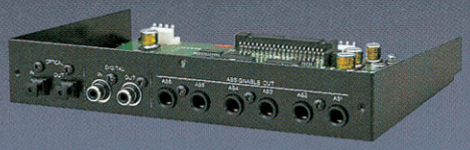
These keys let you call up commands available at each page, access assignable features and audition a selected sample, respectively.

The floppy disk drive (2HD, 2DD) lets you save and load your sample and program data, as well as load in AIFF (Macintosh) and WAV (Windows) format files, plus sound data from popular samplers, and even Standard MIDI files (format 0) for playback without an external sequencer.

Rear Panel



Optional AIEB1 I/O expansion board with 6 ASSIGNABLE OUT jacks, coaxial DIGITAL IN and OUT jacks and OPTICAL digital IN/OUT ports.



SPECIFICATIONS

Tone Generation
16x oversampling, 16-bit A/D conversion
4x oversampling, 18-bitD/A conversion
64-note polyphony, 16-part multitimbral, Dynamic Voice Allocation
Dynamic Filters for each sample (HPF, LPF with resonance, BPF, BEF), Mono mode, Portamento

Sampling Frequency
Analog input
44.1kHz, 22.05kHz, 11.025kHz, 5.5125kHz
Digital input (only when optional AIEB1 I/O expansion board is installed)
48kHz source: 48kHz
44.1kHz source: 44.1kHz
32kHz source: 32kHz
1/2, 1/4 and 1/8 undersampling is supported

Sampling RAM
2 MB standard on-board 128 MB maximum (72-pin SIMM socket x 4)

Sampling Time
Maximum Sample Length Mono:32MB; Stereo:64MB Maximum Sampling Time 44.1kHz: 6'20", 5.5125kHz: 50'43"

Sampling Frequency and Time (Mono/Stereo)

	2 MB on-board	2 MB on-board + 32 MB (optional)	2 MB on-board + 64 MB (optional)
44.1kHz	23.7"/11.8"	6'20.4"/3'22.1"	6'20.4"/6'20.4"
22.05kHz	47.5"/23.7"	12'40.8"/6'44.2"	12'40.8"/12'40.8"

File Compatibility
AIFF (Macintosh) and WAV (Windows) format files, sound data from popular samplers, also Standard MIDI files (format 0)

Effects
3 Effect blocks (54 effect types) and 4-band total EQ

Panel Play Function
4 control knobs: Assignable MIDI controller for internal sounds and MIDI out
6 Navigation keys: Assignable MIDI key for internal sounds and MIDI out

Easy MIDI Recorder/Player Function
MIDI realtime record/play (for quick song sketch) Standard MIDI File format-0 imported from MS-DOS format FD

Front Panel Switches and Connectors
Volume: Master VOL, REC VOL
Mode switches: PLAY, EDIT, REC, DISK, UTILITY
Function switches: 6
Other switches: COMMAND, ASSIGNABLE, AUDITION
Knobs: 5 knobs
INPUT (L, R); PHONES; 3.5" floppy disk drive (2HD/2DD)

Rear Panel Connectors
STEREO OUTPUT (L/MONO, R), ASSIGNABLE OUTPUT (L, R),
Optional hardware slot x 1, SCSI interface (50-pin half pitch x 1); MIDI (IN, OUT, THRU)

Optional Hardware (user-installed)
I/O expansion Board AIEB1 (ASSIGNABLE OUTPUTS x 6, Digital IN/OUT-coaxial, OPTICAL IN/OUT); 72-pin SIMM x 4 (pair of same-capacity SIMMs with speed of 70ns or faster, parity or non-parity for 4 MB/8 MB/16 MB/32 MB), Internal 3.5" HD x 1 can be installed

Dimensions (WxDxH)
483 x 403 x 90 mm (19" x 15-5/6" x 3-1/2")

Weight
6.9kg (15 lbs., 3 oz.)

Included Accessories
Floppy Disk x 5 (Demonstration and Sound Introduction)
CD-ROM (Sound Data and Sampling Audio from AMG)

Specifications subject to change without notice.

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