

Options and Accessories

The 309 can be expanded in the following ways: the **Audio-Expansion**, the **Synthesizer-Expansion**, and the **Drum and Percussion-Expansion**.

With the **Audio-Expansion** you can send tracks of the 309 to an external mixer for individual EQing/effecting and so on.

The inputs of this expansion will allow external signals (e.g. external synth, sampler, vocals, or even the 309's own outputs) to be treated with the built-in filters/effects. The "gated pad" effect is a classic example of using these inputs. This is where a synth pad sound is rhythmically gated by, for example, a hi-hat pattern on the sequencer. Another useful application of the Audio-Expansion is to simply use the 309 as a multi-effects unit.

Installation of this, or any other expansion is extremely simple and can be carried out by the user.

The **Synthesizer-Expansion** dramatically boosts the power of the Bass/Lead synth section by allowing up to four individually tunable oscillators to be combined (great for pads and techno-chords).

New filter algorithms and Sounds are also included and in addition with the Audio-Expansion the Bass/Lead synth is now three part multi-timbral over MIDI.

The **Drum- and Percussion-Expansion** provides not only an expanded selection of drum/percussion samples, but also reversed samples, new sound FX, vocal samples, and even pad sounds.

Other new features include an expanded number of percussion sets (now 20), individual LFOs on each drum track, and a new set of preprogrammed drum loops.

Additional accessories for the 309 include optional rack-ears and flight case.



"A one box solution of concentrated rave-power."

"One of the hottest products to come out of Germany, and one of the hottest products, full stop, for this year."

Sound on Sound 7/97 (GB)

Technical Specification of the 309:

Soundsource-method:

A.E.S. - Analogue-Emulation-Synthesis. Subtractive Synthesis.

Polyphony:

Monophonic Bass-Lead-Synthesizer, 16 Drum- and Percussion-voices

Keyboard:

12 Pads. All voices are velocity sensitive by external Midi-Triggering (Velocity also affects Filter and Volume).

Sound memory:

Respective 64 Memory-Locations for KICK, SNARE, HIHAT, PERCUSSION.

128 memories for Bass-Lead-Synthesizer. 10 Drum sets in Percussion section.

Sequencer:

-Tracks: 5 Tracks + Mastertrack + 8 Special Loop Tracks

-Songs: 16

-Song steps: 99

-Bars: 600

-Pattern: 100

-Preset Motifs: 99 x 5

-User Motifs: 100 x 5

-Memory: about 20000 Events

-Programming: Realtime record and Drumgrid record (with LED running lights). Realtime record and Step sequencer with 4-step Accent and Glide for Bass-Lead-Synthesizer. Realtime record for Mastertrack. Speed from 50 to 250 Bpm. 9-step Groove quantize function. Synchronization by Midi-Clock (Master and Slave).

Effects:

3 Independent Effects processors. 17 Algorithms (FX-1: Room1, Room2, Room3, Hall1, Hall2, Plate, Delay, Pan-Delay. FX-2: Chorus1, Chorus2, Chorus3, Chorus4, Feedback-Chorus, Flanger, Short-Delay, Feedback-Delay. FX-3: 2-band parametric Equalizer). Additional Overblast.

Surface:

34 Realtime control knobs, 1 Overblast controller, 1 Volume controller, 1 Alpha-Dial, 41 Function buttons.

Connections:

2 x 6,3mm (1/4") mono sockets (Stereo outputs), 1 x 6,3mm (1/4") stereo-sockets (Headphone-out), 1 MIDI-In, 1 MIDI-Out, 1 MIDI-Thru. Footswitch connector with 6,3mm (1/4") mono socket. Optional: 4 x 6,3mm (1/4") mono sockets (2 additional single outputs, 2 external signal inputs) by installation of the IN/OUT-Expansion. 2 additional sockets for Expansion modules.

Display:

2 x 16 character backlit LCD-Display.

Power supply:

External Power supply (included) Primary voltage: 230-240V; Secondary voltage: 10.5VDC/1.5 Amp (Europe, UK and all countries with 230/240 V mains voltage) Primary voltage: 100-120 V; Secondary voltage: 12VDC/1.8 Amp (USA, Japan and all countries with 100/120 V mains voltage)

Dimensions:

400mm (length) x 225mm (height) x 98mm (depth), 482mm (length) with optional Rackmount device. Weight: 3 Kg

Expand the 309 with the following options:

-**Audio-Expansion:**

4 freely assignable Audio-Outs, (2 x stereo or 4 x mono). 2 Audio-Ins (1 x stereo or 2 x mono) with separate realtime- and MIDI-controllable Filters and Envelope Generators for treatment of external Audio signals.

-**Synthesizer-Expansion:**

New Oscillator models with up to four oscillators and new Sounds. Noise-generator. Additional Filters: 12dB-lowpass and 12dB-highpass with resonance. Two additional monophonic Bass-Lead-Synthesizers (only in connection with the Audio-Expansion).

-**Drum and Percussion-Expansion:**

New drum samples and sounds. 20 Percussion-Sets. LFO for each drum section. 128 instead of 64 memories for each drum track. New Drum loops.

The manufacturer reserves the right to change any aspect of design or technical specification. The manufacturer can not be held to responsibility for any mistake made in the printing.

QUASIMIDI Corporation • Cape Coral, FL 33904 • Tel.: (941) 945-8672 • Fax: (941) 945-8673

Printed in Germany

Drum Sections with realtime control

Steptime/realtime sequencer that will record realtime controller changes

10 programmable Drum Sets with 12 instruments each

Bass-Lead-Synthesizer with 24dB four-pole-filter

Generous choice of effects

LCD-Display for dear editing

Pattern-Pads to choose patterns in realtime

Special Loop Tracks. Adding breaks and alternate loops in realtime

Loop-Fade for fading in breaks

Overblast to reinforce the bottom end

QUASIMIDI

Fat bass-lines, kicking drum loops, loads of realtime controllers, switches, and flashing LEDs: These are the essential elements that are required for creating Techno, House, Acid, Jungle, EBM etc. The RAVE-O-LUTION 309 from QUASIMIDI is now available - the unique combination of Drum Machine and Bass Sequencer/Synthesizer. From the first moment of use you'll be overwhelmed by the way 309 inspires your creativity. Get great results in no time with your own composed Basslines and Breakbeats. The 309 is the key to success within the ever expanding world of dance music.

"The 309 is the future"

PSSL Product Review 6/97

The BASS/LEAD-Synthesizer:

In order to get the Bass/Lead-Synth sound as fat as vintage analogue synths, QUASIMIDI developed Analog-Emulation-Synthesis (A.E.S). Found at the heart of this is the very latest in digital signal processors (DSPs) which reproduces the sound of analog synths perfectly.

The two Oscillators provide all the usual analog waveforms with the second oscillator allowing different waveforms to be mixed with the first.

This, together with the built in Overdrive and 24dB four-pole-filter (with screaming resonance), will allow you to create some of the fattest sounds you could ever wish for.

Volume levels and filter cutoff can be controlled by LFOs and envelopes, while classic Accent and Glide functions allow for the creation of the definitive Acid/Techno sound. 128 memory locations are available for you to store your newly created patches.

Put the finishing touch to your sound with three independent Effects processors which include 17 effect-types such as Reverb, Delay, Chorus, Flanger and EQ. If, after all this you're still not satisfied and you want an even fatter sound, then just whack up the overblast, and evacuate the area.

The Drum Synthesizer

The 309 offers four separate drum sections; kick, snare, hi-hat, and percussion. The sounds include all the classic analog drum sounds (some of the most realistic 808/909 emulations on the market at present), acoustic sounds (snare, congas etc.), and sound FX hits.

Sonic possibilities are endless, however, due to the fact that all the synth functions available within the Bass/Lead synth are available also within the Drum Synth (filter cut-off, envelope, pitch change, multi-effects etc.).

In the polyphonic Percussion-Section your own 12 note "drum-kits" can be created from a choice of 128 samples (again fully editable). As with the Bass/Lead synth, full realtime control is available over all the main drum synth parameters.

The Sequencer

With the on board sequencer you can take your newly programmed patches and instantly create tunes either in realtime or steptime.

Take, for example, rave style basslines. Using the Step-Sequencer, classic 303 type lines can be easily created.

"The 309 is one of those compelling instruments that all too rarely comes around."
Keyboard Magazine 5/97 (US)

This is further enhanced by the all important Glide and Accent functions, and then even further enhanced by the recording of realtime changes (filter cutoff, for example). Drum grooves and breakbeats are ridiculously easy to create on the 309. The Drumgrid features a running light which, like the classic 808/909 drum machines, allows you not only to feel the groove while programming, but also to see it.

The German Techno Magazine Front page said, "Anyone with any experience of programming a 909 will instantly

"The 309 is obviously an excellent live 'jammin' tool..."
Graham Massey (808State)



AUDIO-Expansion:

This essential expansion option provides two additional outputs (for greater control at mixdown) and two audio inputs.

Basically, you can stick any signal through the inputs and apply it with the built in filters/effects etc. The sonic possibilities are definitely endless.



be able to use the RAVE-O-LUTION's sequencer". Nevertheless, even inexperienced musicians should, after minimal "acclimatisation", be able to create their own grooves with ease.

In addition the 309's sequencer offers many other features like realtime recording, adjustable groove factor, MIDI-synchronisation, special-loop-tracks and a Mastertrack to record all sound changes and controller movements.

Real time control

The 309 has a large number of switches and knobs that can control every important function in realtime.

All realtime changes can be recorded into the built in sequencer or transmitted via MIDI and recorded into a MIDI sequencer. This method of working produces astonishing results with minimum effort - whether live or in the studio.

"The Rave-O-Lution 309 has features which put it eye to eye with the world's most sophisticated modern synths."
DJ Magazine 7/97 (GB)



The RAVE-O-LUTION 309 received the Platinum Award from the English magazine "FUTURE MUSIC"

The sound, the sequencer and not least the easy and flexible operation elevates the beginner to a pro in shortest time. As the English Magazine "Sound on Sound" said:

"Plug it in and start to tweak, it sounds great, it's easy and it's fun."

Sound on Sound 5/97 (GB)