Important Information!

POLYMORPH

Are you fed up with typical boring standard sounds? Aren't there really enough synths at your studio offering only the same old usual piano and GM- sounds? Do you look for sounds different from the others? What about fat and smooth pad-sounds, soft leads, aggressive effects, bombastic bass sounds, brilliant percussive, vintage analog sounds, space-Fx or razor-sharp sweeps? Well, now it's time to enter a new dimension.

Polymorph, the new powerful synth module from Quasimidi is waiting to expand your musical creativity. The POLYMORPH is well equipped with lots of unique and comprehensive features you were always looking for at other instruments.

It contains 4 independent professional synthesizer units (**16 voice polyphonic**) in one box. Beside this, there are 4 analog-style Morph-sequencers and 16 effect processors waiting for you. Each of the synths has it's own output with own effect processors, so you don't have to share effects with different voices like other models.

To give you an idea of what can be done with high-end DSP-power just take a look at the following features:

Instead of having only 2 oscillators like others offer, **the POLYMORPH is equipped with 3 oscillators per voice for extremely fat and rich sounds.** The oscillator's wave tables, complex spectrums, oscillator synchronization, pulse width modulation, Pitch envelope etc. form the heart of the Poly-morph synthesis engine. Compared to a pure virtual analog instrument, the Polymorph's extra sample memory provides combinations of sounds that virtual analog instruments just can't. The combination of the Analog Emulation Synthesis (AES) with sampled sound elements (Mellotron-, choirs-, Moog-, sequential-samples etc.) is the reason for the outstanding full sound.

Same with the filters of the POLYMORPH: Two filters instead of only one offer comprehensive sound manipulations (each with resonance up to self-oscillation, independent envelope generators, filter overdrive and filter-coupling possibilities). A 24/12 dB Low-pass filter plus a 12 dB high-pass filter can be linked either to serial or parallel function to create band-passes or notch filters. This multiplies the power of sound generation extremely. The POLYMORPH offers 3 independent LFOs for pitch-, filter- and volume-modulation. The LFOs can be synchronized to Midi-clock and offer a large variety of waveforms.

Besides using the POLYMORPH as a normal synth module for playing live on stage or in studio from your connected midi keyboard, a further sensation are the fantastic and unique Morph sequencers. With these 4 analog style sequencers you easily create sequence lines you never have dreamed of. Simply by turning the knobs you instantly generate new amazing ideas. Each of the 4 sequencers offers 16 steps and 4 parallel lines: one line for tune and three more for any type of controller from the surface or chosen by menu (also effect parameters can be assigned to a line). For those who expect even more, the sequence lines can be looped independently and triggered from each other for groovy patterns. You won't believe it until you have heard it. Check out the user ready sequences that are already implemented ("If your foot isn't tapping by now, you must be already dead"). No single vintage sequencer ever came close to offering facilities as complex as these.

The Polymorph comes in a sturdy metal case and can be used as a tabletop or 19" rack-mounted unit. The buttons – of which are no fewer than 42 (glow deep purple) and the 44 knobs are reassuringly smooth in action. A large LCD always provides actual information. You can be assured that the Polymorph is extremely user friendly and brings you back to the fun of making music. Beside the 4 independent single outputs (each with 4 effect processors) it has 2 audio inputs for external signals to manipulate through the filters and effect processors.

Actually, it isn't hard to fathom out the synth itself, and you'll be buzzing around creating new sounds within minutes.

QUASIMIDI

POLYMORPH

Technical Data

Polyphony:	8 / 16 voices (3 oscillators / 2 oscillators)
Multitimbral:	4 x multi mode with dynamic voice allocation and 4 separate effects per voice unit (part) (16 FX-processors) through ADVANCED DSP TECHNOLOGY
Play mode:	Multitimbral, stack, rotate mode and unison mode
Oscillator bank:	Based on ANALOG EMULATION SYNTHESIS by QUASIMIDI; 3 independent Oscillators per voice, wave forms: sinus, triangle, sawtooth, rectangle, pulse, noise, complex wave spectrums; own pitch envelope for oscillators, Sync, Pulse width modulation, and wave morphing
Filter section:	24 / 12 dB low-pass filter with resonance and its own envelope generator; 12 dB high-pass filter with resonance and own envelope generator; serial and parallel connections of the filters with filter coupling (band-pass and notch filter); 2 filters per voice
LFO section:	all together 3 LFO's per voice; each with rectangle, sinus, sawtooth, (rising and falling) random, for Pulse width modulation (pwm), oscillator modulation and filter modulation; Midi clock and sequencer synchronization
ADSR bank: (Envelope generators)	4 independent envelope generators (EG) per voice: for high-pass filter, low pass filter, VCA (amplifier) and oscillator pitch (AR), modulation intensity is also reversible
Morph sequencers:	4 analog-step-sequencers (with 16 steps each) and 4 parallel lines (tune and 3 controllers), that can be linked (i.e. each step can start another sequence line); adjustable step order for each line: forward, note-forward, backward, random; independent loop length for each line separately, real-time transposing, step mute, step hold, preprogrammed sequence setups are provided (also electronic drums, psychedelic tunes, bass-lines and much more) 50 memories for sequences plus 4x64 memories in setups = 306 memories
Sound memories:	128 single sound memories, 64 multi setup memories including 4x64 sound memories = 384 sound memories
Connections:	MIDI IN, MIDI OUT, MIDI THRU, four single audio outputs, and two audio inputs to manipulate external signals through the filters, EG's and FX's. Head phone connector on the front panel
Effects:	4 independent effect processors (FX) per voice (all together 16) with delay (MIDI clock synchronization) distortion including extra resonance filter, super flanger, super chorus, multi tap delay, space distortion and many more
Dimensions:	400 mm (W) x 225 mm (D) x 98 mm (H)
Weight:	3 kilograms

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