halo

64-voice Expandable Synthesizer

The ENSONIQ Halo™ Keyboard puts the sound quality, intuitive interface and expandability of E-MU's industry-standard Proteus® 2000 Sound Module under your fingers, with a host of new real-time performance features that no other keyboard can touch – at any price.

- High-performance 61-key synthesizer with velocity and aftertouch

- 64-voice polyphony with the fastest sound engine in the business for tight layered sounds, arpeggiators and grooves

- 32 MB ENSONIQ soundset, featuring the Perfect Piano, expandable to 128 MB using any Proteus expansion ROMs (three additional ROM slots available)

- 16 simultaneous, user-programmable arpeggiators that are perfectly synced to each other

- Dual-effects processor with over 70 effects parameters (including special BPM-based effects)

- 4 programmable real-time contol knobs give you instant control over 12 synth and filter parameters

- Legendary digital filters (over 50 types!)

- Interactive grooves with 16 dedicated trigger buttons

- Over 100 synthesis parameters per preset

Halo is a high-quality 61-key synthesizer that offers you an arsenal of professional features. Halo ships with over 1000 presets that cover every genre of music, and you can install an additional three ROMs for a total of 128 MB of sounds using any Proteus expansion ROMs. E-MU offers you the most authentic, sought-after sounds in the business, so you're sure to find whatever additional sounds you need in the comprehensive Proteus expansion library. And Halo offers you more than just the latest cutting-edge sounds— it also boasts a powerful synth engine that puts over 100 synth parameters per preset under your control, giving you the ability to create almost any sound imaginable.

Halo also gives you a host of interactive beats and grooves that you can trigger using the 16 dedicated trigger buttons, as well as up to 16 simultaneous, programmable arpeggiators allowing you to perform and manipulate complex arrangements. Halo delivers all of these sounds, arpeggiators and beats with dead-on timing thanks to its lightning-fast processor— three times faster than E-MU's Proteus 2000! ENSONIQ has optimized the award-winning Proteus 2000 sound engine for Halo, adding dedicated buttons and knobs to put all of your most important functions just a button push away. You can trigger grooves, tweak filter parameters, change sounds on the fly and directly access your most important menu screens with a simple button push or turn of a knob. Whether performing on stage or recording in the studio, Halo delivers the quality sounds and professional features that you've come to expect from ENSONIQ at an amazing price.
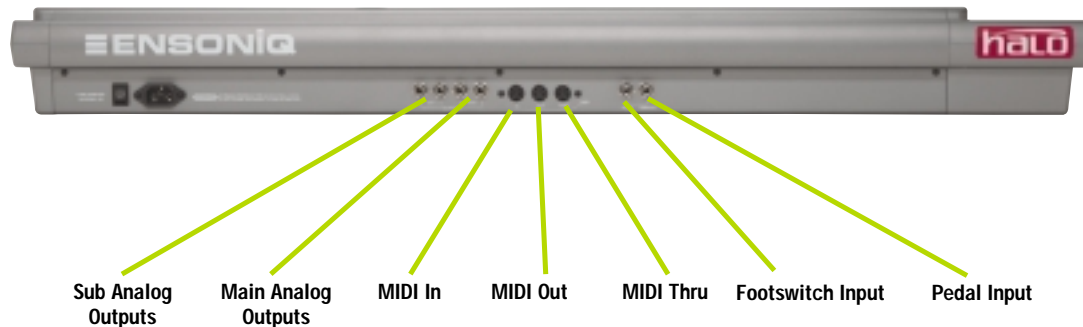
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Technical Specifications

Audio Channels: 64
MIDI Channels: 16
Controllers: 4 assignable knobs (12 settings), Footswitch, Foot pedal, Modulation Wheel, Pitch Wheel and 16 triggers (Latch, MIDI Channel, Note and Velocity)
Displays: 2x24 LCD
Multi Setups: 64
Presets: 640 Factory, 512 User
Layers Per Preset: 4
BPM/ MIDI synchronized parameters per Preset: >100
Sound Memory: 32 MB (expandable to 128 MB)
Internal Expansion slots: 3 additional
Expansion format: ROM (16/32MB) Flash (16/32MB)
Filters: 6/12th order (50 types)
Arpeggiators: 16 simultaneous pattern based or traditional
Arp Patterns: 300 factory, 100 User
Arp Editor: 32 steps – Key, Velocity, Duration, Repeat

Effects: Dual 24-bit
Audio Outputs: 4 analog (configured as 2 stereo)
Audio Inputs: Effects Return 1 In (Stereo)
MIDI: In, Out, Thru
Data Encoding: 16-bit linear, 24-bit DAC's,
Signal to Noise: >100 dB
Frequency Response: 20-20,000Hz (+0.0/-0.1dB)
THD + Noise (DAC's): <0.02% +/- 1dB
Power Consumption: 15 watts
Voltage Input: 90VAC – 260VAC at 50Hz – 60 Hz
Maximum Output Level: +6dBV
Output Impedance: 1000 Ohms
Dimensions: length: 40.75 ", width 13.30", depth 4.32"
Weight: 21lbs.

*All specifications subject to change

Sub Analog Outputs | Main Analog Outputs | MIDI In | MIDI Out | MIDI Thru | Footswitch Input | Pedal Input

Expansion SoundROMs

X-LEAD
The X-Lead soundset consists primarily of analog, noise and modern synthesizer waveforms. These sounds are rich in harmonic texture and are a perfect match with the Z-plane® filters in your Halo keyboard. With the included software upgrade, you now have access to dynamic and rhythmic features not found on any other instrument.

WORLD EXPEDITION
An amazing collection of traditional instruments from the four corners of the globe including exotic stringed instruments, winds, percussion, and chromatic percussion. World Expedition provides you with the most realistic ethnic soundset in the world. Discover a world of sounds to bring to your music.

DEFINITIVE B-3
John Novello and E-MU present the 32 MB Definitive B-3 expansion ROM, a diverse collection of tone wheel organ drawbar settings sampled direct and with rotary speakers (chorale and tremolo) to give you the most versatile and playable B-3 available!

ORCHESTRAL SESSIONS VOL 1
The Orchestral Sessions Vol. 1 expansion 32MB ROM offers you the most realistic and comprehensive collection of section strings available—the same sounds featured in E-MUs Virtuoso 2000 sound module, complete with legato, spiccato, pizzicato and tremolande samples, and includes special presets for 4 speaker applications.

SIEDLACZEK
ADVANCED ORCHESTRA-SPECIAL EDITION
The Peter Siedlaczek 32 MB expansion ROM offers you some of the finest orchestral samples ever recorded from one of Europe's most respected sound designers, and brings together the finest string, brass, wind and percussion ensembles of Siedlaczek's legendary Advanced Orchestra library.

BEAT GARDEN
Dutch sound designer Rob Papen and E-MU introduce the 32 MB Beat Garden expansion ROM, a diverse palette of all-new Electronica/Dance beats, synths, basses, drumkits, acoustic and electronic percussion. Experience the Beat Garden for yourself and add a unique dimension to your tracks.

PURE PHATT
The 32 MB Pure Phatt is E-MU's latest Hip-Hop soundset that produces the freshest and newest sounds and grooves from top notch producers from the East, Southeast and West coasts. Pumping leads and basses, silky pads and those unique hits, scratches and drones that your mix needs to bring it to the next level are ready to provide the love. Pure Phatt goes where no other ROM set has grooved before.

TECHNO SYNTH
Rob Papen and E-MU introduce the 32 MB Techno Synth Construction Yard Expansion ROM, a compilation of synth, techno, and ambient sounds from one of Europe's finest programmers. From atmospheric pads to punchy sub-basses and crunch drum loops, these sounds will help you tear up the dance floor!

SOUNDS OF THE ZR
The Sounds of the ZR Expansion ROM faithfully reproduces the diverse sounds of ENSONIQ's popular ZR-76 keyboard, including William Coakley's Perfect Piano. You'll find everything from synths and orchestral instruments to one of the finest pianos ever sampled in one soundset. Put this collection of ENSONIQ's finest sounds to work in your Halo today!

ORCHESTRAL SESSIONS VOL 2
The Orchestral Sessions Vol. 2 expansion 32MB ROM offers you the most realistic and comprehensive collection of woodwinds, brass, percussion, and solo strings available– the same sounds featured in E-MU's Virtuoso 2000 sound module, complete with velocity switching between p/mf/ff samples, special presets for 4 speaker applications and a percussion battery with over 20 instruments.

PROTOZOA
E-MU presents the 16 MB Protozoa expansion ROM– the ultimate sound compilation containing presets from the groundbreaking Proteus sound modules, all optimized for your Halo's advanced synthesis and filter architecture.

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