




How often have you had a great inspiration...

... that somehow got lost on its way to the sequencer? Technology keeps advancing, but that hasn't made it easier to do what you want to do – write a song.

Until now. Meet the ENSONIQ MR-61 and MR-76: two new keyboards designed for the composer in all of us.

We studied the songwriting process, learning from musicians at all levels, across all genres. We learned what tools you needed. What frustrations you've had using a workstation keyboard or a computer. We came back full of fresh, new ideas and built them into the MR Series keyboards.

Take the Idea Pad™, for instance. Noodle around a bit, try a few ideas. Don't worry, your inspiration has already been captured – the MR *always* remembers what you play. Listen back to each idea and send the best ones to the 16 Track Recorder for further development.

Need a groove? Play along with some of the most natural-sounding rhythms you've ever heard, thanks to the onboard Drum Machine. Each rhythm has 8 variations and 8 fills, providing plenty of variety per style. Best of all, you can link the Drum Machine to the onboard 16 Track Recorder so they work together – you may never need to write drum parts again!

When you've got your ideas in the sequencer, you have plenty of tools to help shape your performance, including some of the most musical quantizing options ever offered. And your editing is non-destructive thanks to the MR's Undo feature. Finally, you can use the Song Editor to quickly build your arrangement, getting the final mix just right with the Mixdown strip.

We wanted these great new concepts to be easy to use, so we put all the right controls on the front panel, arranged in sensible groups so you

don't waste time searching through complex menus.

Of course there's more – like quick splitting and layering of sounds, a powerful voice and effects architecture (*the same as our MR-Rack*), our acclaimed SoundFinder™ interface, 3 slots for Wave expansion and sample loading, support for Standard MIDI Files and General MIDI, an MS-DOS disk format, and much more.

ENSONIQ has always been known for making powerful features easy to use. Now, with the MR-61 and MR-76 we've raised that standard. They're great-sounding instruments that make it easier than ever to write a song – right here, right now.



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Two Keyboard Options

You have your choice of two different keyboards – the MR-61 offers a fast, responsive 61-key synth action keyboard, while the MR-76 offers an extended 76-key weighted piano action. Both offer velocity, release velocity, channel pressure sensitivity, and an option for selecting from 4 velocity curves which match a broad range of playing styles. The weighted action of the MR-76 is the same acclaimed mechanism and software that has made ENSONIQ the leader in piano-action keyboards.

Simplicity of Interface

The MR Series keyboards continue ENSONIQ's tradition of providing the clearest and fastest user interface possible. SoundFinder™ makes locating sounds a breeze. The left knob selects the sound category: by location (*ROM, RAM, Expansion Board, etc.*), or by instrument style (*acoustic piano, strings, vintage synth etc.*). The right knob selects the individual sound. You can even use the MR's keyboard to type in the first few characters of the sound name to instantly locate it.

To layer two sounds together, you simply press the button labeled Layer. Splits are just as easy, with a dedicated button. You can adjust a number of parameters for each sound and then save the result as either a Performance Preset, or a "merged" sound which can



then be used on a single track of the 16 Track Recorder.

To transpose the keyboard, just press the Transpose button and select a key from the MR's keyboard. Repeated presses of the button will toggle between transposed and regular performance.

Sounds

The MR-61 and MR-76 provide you with over 1200 sounds covering a wide range of musical styles. These include sounds made from our unique second-generation TransWaves™ – wavetables which can be swept through for anything from analog emulations to evocative digital timbres.

There are over 70 drum kits, made up from over 750 fully programmed drum elements, and a GM soundset for compatibility with the growing selection of Standard MIDI File song titles and MIDI applications.

The MR Series has one of the most advanced voice architectures available in a synthesizer today – up to 16 layers of fully programmable parameters. These can be edited using the included MR-version of Mark of the Unicorn's acclaimed UNISYN™ editor/librarian software, available for both Mac and Windows.

The MRs also offer fast onboard tweaking of the most important characteristics of your sounds with a full range of the parameters you need the most. These global sound edits can be saved back into the sound without requiring any computer connection.

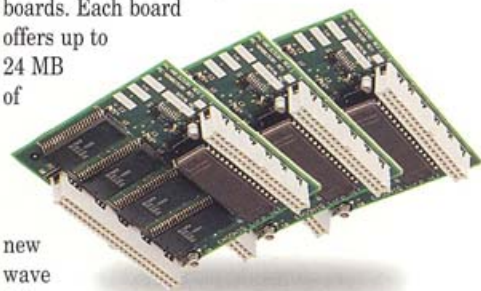
Effects

The MR-61 and MR-76 utilize ENSONIQ's new ESP-2 chip, a powerful 24-bit digital signal processor that rivals the most expensive stand-alone effects

processors. To cover the needs of a multi-track recording environment we've developed UMTE™, the Universal Multi Timbral Effects architecture. You have a choice of 6 stereo busses to send each sound/track to: 3 global reverb busses, a global chorus bus (*with a mix amount into reverb*), an insert effect bus with 40 possible effects (*again with a mix into both reverb and chorus*), and a dry bus. The range and quality of these effects is outstanding. Of special note are the Format Morph and Chatter Box effects, which can make any sound "talk" through complex vocal formant filters.

Expansion Options

The MR-61 and MR-76 offer a number of ways to expand your sound palette. There are 3 expansion slots which can provide up to 86 MB of additional ROM wave memory using the EXP Series of Wave Expansion boards. Each board offers up to 24 MB of



new wave data, sounds, and demos, and is completely supported by the SoundFinder interface for easy sound selection.

Or you can add up to 3 MR-FLASH sample memory boards, each offering 4 MB of FLASH memory for storing .WAV (*PC format*), AIFF (*MAC format*), and EPS/ASR samples, with full conversion of ENSONIQ-format sampled sounds. FLASH memory is remembered when you turn off your MR Series keyboard, so you only need to load a

sample once to always have it ready for use. Think of the MR's sample memory as wave expansion that you can customize yourself.

Capture Your Ideas

Whenever you sit down and play, the MR is recording your performance, thanks to the Idea Pad™. You no longer have to set up tracks, think about your tempo, hit record, and feel the pressure of a "take". Your recorded ideas are divided up into phrases based on pauses in your playing, or by selecting a new sound or rhythm. If you like an idea you can send it to the 16 Track Recorder for further development.



Drummer On Call

There's nothing like a good groove to stimulate your inspiration, and the MR's onboard Drum Machine is sure to become your new creative partner.

Offering 75 onboard rhythms, the Drum Machine covers a broad range of musical styles, and new patterns can be loaded from disk as needed. And our new RhythmFinder™ brings "SoundFinder™-like" ease to locating rhythms. Each rhythm has 8 variations offering natural stylistic development of a given rhythm. Eight fills give you plenty of variety to spice up your music. Drum kits can be freely edited, and a given rhythm can be twisted into new, creative material with a few quick edits.



The Idea Pad also captures what you do with the Drum Machine, so your performances can be sent to the sequencer, with the rhythm track going to Track 10. This links the two units together without using up note memory in the sequencer, and you can easily change rhythms, variations, and fills without a lot of complex editing.

You can also use the Drum Machine when playing live, making the MR perfect for the one-man-band and casual entertainer.

Virtual Recording Studio

Once you've captured your inspiration, the full-featured 16 Track Recorder will help you turn it into a complete piece of music. Familiar tape recorder-style transport controls and region markers make it easy to operate. Advanced quantization options help you to get your feel just right (384 PPQ also helps!). Of special note is our new Delta Quantization™, which aligns your playing to the bar line more naturally than traditional quantizing ever could!



You have up to 24 sequences per song, so if you build your music in sections (intro, verse, chorus, solo, bridge etc.) you'll be right at home. The Song Editor makes it quick to build an arrangement, with dedicated sequence buttons for fast access.



The FX and Mixdown section is laid out like a traditional mixing board, giving you panning, mix, solo, mute, and full effects processing for each track.

An MS-DOS-based disk format and support for Standard MIDI Files allows your music to be easily shared between the MR and the outside world, including loading in pre-recorded sequences, drum patterns and other creative tools. SMFs are completely integrated into the MR's sequencer – you can edit tracks, record additional parts, and move your songs freely between the MR and your personal computer.



Write Your Next Song Here!

The MR-61 and MR-76 take a fresh approach to integrating songwriting into a keyboard – a level of interface, sound, features, and performance that only the musical engineers at ENSONIQ could deliver!

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Keyboard

- MR-76 - 76 key (E-G) weighted-action keyboard with programmable velocity, release velocity, and channel pressure sensitivity
- MR-61 - 61 key (C-C) synth-action keyboard with programmable velocity, release velocity, and channel pressure sensitivity
- 3 programmable keyboard zones for splits and layers

Controllers

- Programmable Pitch and Mod Wheels
- Up to 4 programmable foot switches (SW-2, SW-6, optional SW-10)
- Programmable Mod/Volume Pedal (optional CVP-1)

Output

- 44.1 kHz sample playback rate
- 18-bit D/A conversion with 108 dB dynamic range
- 103 dB signal-to-noise ratio
- 2 Hz - 20 kHz frequency range

Inputs/Outputs

- Left/Mono and Right Main outputs (balanced TRS)
- Left/Mono and Right Aux outputs (balanced TRS)
- Stereo headphone output
- 1 Mod/Volume Pedal input, 2 single/dual foot switch inputs
- MIDI In/Out/Thru

Display/Interface

- 40 (2 x 20) large character LCD display
- 4 knobs, 89 buttons (46 with LEDs), volume slider
- Sound/Finder™/Rhythm/Finder™ interface - one knob selects sound/rhythm type, another knob selects specific sound/rhythm. Sounds/rhythms can be searched for alphabetically within musical categories, numerically within bank locations (ROM, RAM, Expansion Board, GM, User, Demo), or with keyboard spelling.
- Onboard Help function

Internal Sound Memory

- 468 ROM sounds (2 banks of 128, 67 drum kits, 128 GM sounds, 11 GM/GS drum kits), 751 ROM drum elements
- Up to 256 RAM sounds possible (70 sounds shipped from factory)

Wave Memory

- 112 Megabits (14 MB) of 16-bit wave ROM
- Over 5000 variations possible from the 424 waveform selections, including 28 Megabits (3.5 MB) of acoustic piano, multi-sampled acoustic instruments and synthesizers, second-generation Transwaves™ (created through digital synthesis and resynthesis technologies), sustained synth waveforms with harmonic and inharmonic structures
- Modulatable start point, forward or backward playback, and multi-sample key shift (4 modes) for most waves
- Pitched/non-pitched playback of all waves possible

Expansion Memory

- 3 expansion slots, for a total of up to 688 Megabits (86 MB) of ROM wave data, or up to 96 Megabits (12 MB) of user-loadable samples
- A Wave Expansion board holds up to 192 Megabits (24 MB) wave data, multiple banks of sounds (up to 128 per bank), and demos
- An MR-FLASH sample memory board provides 4 MB of re-writable FLASH ROM memory for AIFF, WAV, or ASR/EPS sample data (full conversion of ASR/EPS sounds)
- Expansion boards are user-installable

Performance Features

- Dedicated Split and Layer buttons, with the ability to save up to 3 sound combinations as a new single sound (for sequencing split or layered sounds on a single track), or as a performance preset
- Each of the 3 zones can play local sounds or external MIDI sources
- Transpose Keyboard button provides fast transposition to any key signature (notes played on keyboard or transmitted via MIDI)
- Extensive sound "tweaking" (global editing) including:
 - Volume, Volume Polarity
 - Mix (Expression)
 - Pan
 - Effects Bus
 - Pitch Bend Up/Down
 - Tuning (Octave, Semitones, Fine)
 - Pitch Table
 - Glide Mode, Glide Time
 - LFO/Noise Tempo Sync
 - LFO Rate
 - LFO Depth, Delay
 - Amp Envelope
 - Attack, Decay, Release
 - Filter Cutoff
 - Filter Envelope
 - Attack, Decay, Release
 - Amp & Filter
 - Envelope Velocity
 - Key Range Lo/Hi
 - Velocity Range Lo/Hi
 - Velocity Mode
 - Pressure Mode
 - Controller Filtering

Voice Architecture (accessible via computer)

- 64 dynamically assigned voices
- Dynamically sized voice architecture (up to 16 layers), with the following parameters (per layer):
 - Independent waveform selection
 - Volume and Pan
 - Layer delay up to 10 secs or by key-up trigger
 - 2 independent multi-mode dynamic digital filters (low-pass, high-pass, variable bandwidth band-pass) with key tracking (33 settings, including fractional scaling)
 - 3 five-stage envelope generators (time and level) with level and attack time modulatable by velocity (8 possible curves), key scaling, and response to release velocity
 - 22 modulation sources, 8 modulation destinations
 - 1 LFO (7 waveform choices), can sync to 16 Track Recorder, Drum Machine, or external MIDI clock (12 subdivisions)
 - Variable rate noise generator, can sync to 16 Track Recorder, Drum Machine, or external MIDI clock (12 subdivisions)
 - Octave, semi-tone and fine tuning
 - Pitch tracking (33 settings, including fractional scaling)
 - 45 ROM Pitch Tables (256 steps per semitone resolution)
 - 1 RAM location for receiving a pitch table sent from any device that supports the MIDI Tuning Standard (Bulk Tuning Dump and Single Note Tuning Change)
 - Key and velocity ranges
 - Voice trigger options (key-up or down, MIDI controller enable)
 - Glide mode, glide time
 - Mono/poly playback
 - Pitch Bend on/off, Held Pitch Bend mode (range is programmable for both positive and negative wheel directions)
 - Sustain on/off
 - Key group assignment
- Drum Kit architecture offers 64 keys (B1 - D7): each key points to a fully-developed sound (up to 16 layers per key), plus effects bus, volume, pan, and tuning overrides.

Effects

- New VLSI 24-bit digital signal processor (ESP-2) with 26 MIPS of DSP power, 52-bit accumulation
- New UMT (Universal Multi-Timbral Effects) architecture with 6 stereo busses:
 - 3 stereo busses with independent sends into global reverb
 - 1 stereo bus with a wet/dry mix into global chorus and a send into global reverb
 - 1 stereo bus with a wet/dry mix into an insert effect, a wet/dry mix into global chorus, and a send into global reverb
 - 1 dedicated stereo dry bus
- Dedicated buttons for global reverb, global chorus, insert effect, and FX bus routing
- 40 insert effect choices (dynamically modulatable by MIDI controllers)
- Effects can be routed to Main or Aux outputs

Idea Pad™

- Free-running sequencer that is always recording in the background, capturing whatever you play on the keyboard
- Divides up recordings into phrases based on selection of new sounds or pauses in your playing
- Any phrase can be sent to the onboard 16 Track Recorder for further development
- Also records the Drum Machine playback, to capture rhythm choice and Fill/Variation events, synchronized with keyboard performances
- Adjustable buffer size (16 or 32 Kbytes)

Drum Machine

- Over 60 onboard rhythms with 8 Variations and 8 Fills per rhythm, adjustable tempo (25-350), volume, and part muting
- Drum Kit zones (Kick, Snare, Hats, Cymbal, Toms, Perc1/2/3) can be edited to adjust Sound, Volume, Pan, FX Bus, Tuning
- New drum or percussion kits can be selected from ROM, RAM, or Wave Expansion boards
- Each Variation and Fill can be set to use pattern data from any other Rhythm (selectable per Zone)
- Rhythms can be sent to Track 10 in the 16 Track Recorder for synchronization with sequence data (links Drum Machine operations)
- New rhythms can be loaded from disk

16 Track Recorder

- 16 tracks, each with a complete set of track parameters (same as performance presets)
- Up to 64 internal voices per track, dynamically assigned (no limit on MIDI voices per track)
- 24 sequence per song structure (3 banks of 8 each, A-H)
- 200 kbytes memory (Recorder and Idea Pad)
- 384 PPQ, synchronized to internal or MIDI clock source
- 2 real time record modes (Replace, Add)
- Automated punch/edit/auto-locate regions remembered for each sequence

- Quantize from whole note to 1/64 triplet, normal or Delta quantization, strength, swing, random, shift, key range, window, quantize Note Offs, move Note Offs, user-definable templates
- Copy (with/without data), Erase (all, within region, data only) Track
- Copy (with/without data), Erase (all, outside region) Sequence
- Click/Countoff with selectable sound (click, vocal, both, stick), volume, pan, FX bus, timing (1/2 note to 1/32 T), # of bars
- Tap Tempo control (25-350)
- Song Playlist allows creation of a song form quickly from the dedicated front-panel controls (up to 9,999 Steps per Song)
- Dedicated Pan and Mix knobs, Track Mute and Solo buttons
- Track Mix records all volume and panning changes for each track (fade-in/fade-outs)

MIDI

- Supports Bank Select and Program Change reception/transmission
- Able to respond in Multi Mode on up to 16 polyphonic channels
- Responds to polyphonic pressure
- 4 system controllers (any of 120 MIDI controllers) can be used for voice or effects modulation, or transmitted via MIDI
- General MIDI compatible

Disk

- 1.4 MB High Density (HD) 3.5" floppy, MS-DOS compatible
- Loads, edits, and saves Standard MIDI Files (Type 0 and Type 1)
- Save All-Session (all FLASH & RAM), All-RAM (all songs, RAM sound bank, rhythm bank), 1-Song, All-Songs, 1-MIDIFile, Rhythm-Bank (loadable to FLASH or RAM), 1-Rhythm (loadable to FLASH or RAM), Sound-Bank (loadable to FLASH or RAM), 1-Sound (loadable to FLASH or RAM), Preset-Bank, 1-Preset

Standard Accessories

- MRD-100 System Disk (contains sounds, rhythms, demos)
- Musician's Manual (MM-131)
- Detachable power cord
- SW-2 Single Foot Switch (MR-61), SW-6 Single Damper Foot Switch (MR-76)
- Mark Of The Unicorn UNISYN™ MR-editor/librarian software (redeemable with return of warranty card)

Optional Accessories

- MRD Series Sound disks, EXD Series Sound disks (for use with specific EXP Wave Expansion boards)
- EXP Series Wave Expansion boards
- MR-FLASH Sample Memory board
- SW-10 Dual Damper Foot Switch - 2 pedal piano-type for sustain, sostenuto, sequencer control and other functions
- CVP-1 (CV Pedal) - for voice/FX modulation, volume control, or MIDI controller transmission
- Detachable MS-1 music stand (MR-76 only)

Physical

- MR-61 Dimensions: 41 1/4" (106.4 cm) wide x 3.96" (10.5 cm) high x 14 1/2" (37.2 cm) deep
- MR-61 Weight: 31 pounds (16.78 kilograms) unboxed, 48 pounds (21.77 kilograms) boxed
- MR-76 Dimensions: 60 1/2" (153.8 cm) wide x 5" (12.7 cm) high x 15 1/4" (39.6 cm) deep
- MR-76 Weight: 51 pounds (23.13 kilograms) unboxed, 63.9 pounds (29 kilograms) boxed

Limited Warranty

- One year, parts and labor

Prices and specifications subject to change without notice.

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