

**Micron Keyboard****Product Description**

The Micron boasts the same sound engine as the acclaimed Alesis Ion in a compact 3-octave keyboard, offering breakthrough analog realism, high-resolution control, and tremendous value. The Micron is compatible with Ion programs and holds over 1,000 programs and multitimbral setups.

The Micron offers continuously variable wave shapes, plus sync and FM synthesis. 16 filter types are included, along with 2 LFOs with multiple wave shapes and sample & hold. The Micron has 8-voice polyphony with 3 oscillators per voice, and is 32-part multitimbral. In addition to a powerful modulation matrix, the Micron offers a programmable step sequencer, arpeggiator, rhythm sequencer for drum kits, and dynamic realtime phrase sequencer—all of which sync to MIDI clock.

Effects include a 40 band vocoder that does not use up any polyphony, 4 drive effects, and stereo bus effects, including reverb. For assignable realtime control, the Micron offers 3 knobs, 2 modulations sliders, and a pitch wheel.

**Positioning**

Industry-leading analog-modeling sound engine in a lightweight and portable keyboard

**Applications**

- Synthesis and sound design
- Keyboard performance
- High-resolution MIDI control
- Tempo-synched audio filtering, vocoder, and effects

**Key Features & Benefits**

- 1) Powerful virtual-analog synth engine
  - Compatible with Ion programs
  - Superb analog realism
  - Inspiring other-worldly sounds
  - Absolutely no “zipper” noise or aliasing
- 2) Programmable features that sync to MIDI clock
  - Step sequencer
  - Arpeggiator
  - Rhythm sequencer
  - Realtime phrase sequencer
- 3) Assignable, high-resolution realtime control
  - 2 modulation sliders
  - 3 360-knobs operate at 32 times the resolution MIDI
  - Pitch wheel
- 4) Powerful DSP effects
  - 4 simultaneous mono/stereo “overdrive” effects
  - Stereo master effects, including reverb
  - 40-band vocoder
- 5) 24-bit balanced I/O
  - 2 TRS 1/4” outputs
  - 2 TRS 1/4” inputs for processing external sounds

## Micron Keyboard

<b>Sound Engine</b>	
<ul style="list-style-type: none"> <li>_ Eight voices of industry-leading analog-modeled sound</li> <li>_ Three oscillators per voice, with continuously variable wave shapes, sync and FM</li> <li>_ Two multimode filters per voice, with 20 classic and unique filter types</li> <li>_ Three envelopes, two LFOs, and sample and hold per voice</li> <li>_ Twelve-route modulation matrix, with 114 sources and 78 destinations</li> <li>_ One insert drive effect per voice</li> <li>_ Two master effects processors, with reverb and delay</li> <li>_ Full-featured 40-band vocoder</li> </ul>	
<b>Sequencing</b>	
<ul style="list-style-type: none"> <li>_ Programmable pattern sequencer and arpeggiator</li> <li>_ Programmable drum rhythm sequencer</li> <li>_ Realtime or step recording, with controller motion</li> <li>_ Live realtime phrase capture -- one-button record and loop</li> </ul>	
<b>Setups</b>	
<ul style="list-style-type: none"> <li>_ 32-part multitimbral -- up to 32 programs per setup</li> <li>_ Up to 26 simultaneous patterns or drum rhythms per setup</li> <li>_ Quick splitting and layering</li> </ul>	
<b>Presets</b>	
<ul style="list-style-type: none"> <li>_ Over 500 preset programs, with space for 400 more</li> <li>_ Over 200 preset pattern sequences and 250 preset drum rhythms, with space for hundreds more</li> <li>_ Fully compatible with Ion programs</li> </ul>	
<b>Audio Input</b>	
Input Connectors:	2 Balanced 1/4" TRS jacks
Maximum Input Level:	+5.2dBu (1.41VRMS) = -0dBFS
Input Impedance:	10kohms
<b>Audio Output</b>	
Output Connectors:	2 Impedance-Balanced 1/4" TRS jacks, 1/4" TRS Headphone Jack
Maximum Output Level:	+18dBu (6.17 VRMS) = -0dBFS
Output Impedance:	1kohms
<b>Physical</b>	
Keyboard:	37 keys (velocity, release velocity sensitive)
Real-Time Controllers:	3 360-degree parameter knobs, 2 assignable modulation sliders, assignable backlit pitch wheel
Pedal Jacks:	Assignable exp pedal jack, sustain pedal jack
Input/Output	24-bit stereo analog outputs and inputs
MIDI Connections:	MIDI In, MIDI Out, MIDI Thru
<b>Dimensions (WxHxD):</b>	22.2" x 2.75" x 8.0" / 563.88 x 69.85 x 203.20mm