

New B-3 'Ultimo'
The designer instrument



Hammond

New B-3 'Ultimo'

Prestige Performance Quality

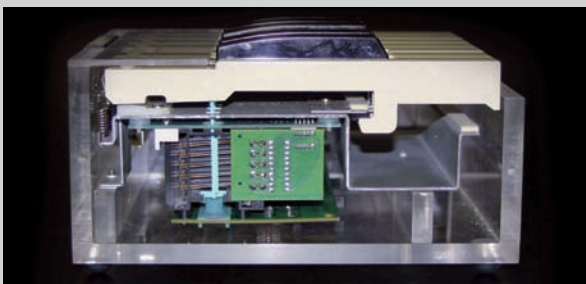
These are the terms that best describe the Hammond New B-3 Organ. This brochure is dedicated to all performers and lovers of organ music who demand nothing less than the finest in tonal reproduction whether their appreciation is for the classic masterpieces of Bach or the sparkling modern arrangements of contemporary composers and artists.

The designer instrument

The best of both worlds...that was the basic idea behind an instrument that was to combine the ultimate legend in organ-sound and modern styling for Hammond's B-3 50-year anniversary. To accomplish this, Hammond Suzuki Japan entered into further co-operation with the great Dutch designer Martin Haksteen.

The sound of a Hammond B-3 is one thing, a new contemporary design another entirely..the challenge was to marry both. In creating the B-3 'Ultimo', Hammond succeeded in doing this and added another new superior instrument to the B-3 range. The cabinet of the 'Ultimo' is not just a housing for its own. The silvery legs that exhume both an impression of serenity as well as restlessness, carry a beautifully shaped body finished in black and silver high-polish lacquers. Seen from any angle, the Ultimo's unique curves are both sensual and functional. The final design of the 'Ultimo' is not just a look, it is an expression of life-style and sheer adoration for beauty for beauty's sake.. ■

Ultimate sound, Contemporary design..that's why it is called 'Ultimo'



The all new Direct Analog Keying™ mechanism creates the famous "Key Click" an essential component of the B-3 character.

The Heart and Soul of the New B-3

Digital Tone Wheel™ Sound Engine and Direct Analogue Keying™

Let us now consider the new digital tone generator and see how it produces the sound. The unique Hammond B-3 sound is reproduced by a revolutionary newly designed sound generator system (96 - Digital Tone Wheels™). This new digital Tone Wheel generator perfectly generates pure tones that is tones which have no harmonic content of their own. This purity is essential in order to attain a desirable tonal cohesion between the fundamental and its harmonics when they are mixed through the use of the drawbars.

When a manual key is pressed, it closes 10 small electrical switch contacts. These contacts are connected to the digital Tone Wheel generator as well as to the drawbars. The positions of the drawbars (which are under control of the player) determine the intensities of the individual electrical currents corresponding to the fundamental and its harmonics. After leaving the drawbars, the various electrical currents are connected together (or "mixed") to form a single complex current which flows from the console to the Leslie® cabinet where it is amplified and caused to operate the speakers. The swell pedal varies the intensity (or volume) of this complex current before it reaches the speakers. ■





The New B-3 'Ultimo' with optional matching Leslie 122 XB in black high-polish finish.

Leslie®

Any 11-pin Leslie® tone-cabinet can be used with the New B-3. Two Leslie® connectors are provided to allow Main/Echo switching between two or more Leslie's®. For optimum performance, we recommend the Leslie® model 122 XB. ■

Multiple Leslie® Speaker Connection

The New B-3 Hammond Organ has two 11-pin Leslie® connectors, one marked MAIN and the other marked ECHO, making it easy to connect multiple Leslie® Speakers to the organ. ■

Specifications

New B-3 'Ultimo'

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**SUZUKI MUSICAL INST.
MFG. CO., LTD
Hamamatsu, Japan**

Keyboards	61-61-25
Preset Key	12keys Mechanical Latch
Drawbars	
Swell (Upper)	9 pitches 2 sets
Great (Lower)	9 pitches 2 sets
Pedal	2 pitches
Preset Memory	Compact Flash Card
Keying Method	Direct Analog Keying™
Contact	10-Mechanical contacts +Rubber contacts w/velocity
Polyphony	Full Polyphony
Generator (Manual)	96-Digital Tone Wheels™
Gen. Waveform	Changeable by CFcard (Flash ROM)
Generator (Pedal)	VASE II
Vibrato/Chorus	V1, V2, V3, C1, C2, C3 SWELL ON, GREAT ON
Leslie®	SLOW, STOP, FAST
Control	OVERDRIVE REVERB
Tone Control	BASS, TREBLE
Terminal	LINE IN, LINE OUT 11P LESLIE SOCKET HEADPHONE MIDI OUT
Ext. Memory Slot	Compact Flash Card
Display	20x2 digits LCD
Weight	132kg
Dimension	With pedal keyboard and bench 118cm (W) x 123cm (D) x 119cm (H) (Including music rest)

MUSIC POWER OUTPUT

Optional, Separate Tone Cabinet:	Leslie® model 122 XB
Jack	11-pin interface
Speaker	Horn Rotor w/Treble Driver, Bass Rotor w/15" (38 cm) Bass Speaker
Control	Speed Control: Fast/Slow/Off
Output	40W Tube Amplifier.
Dimensions	74cm (W) x 53cm (D) x 106cm (H)
Weight	70 kg



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