

American Organ Sales, Inc.

The Sound Choice for New Hammond Organs

PORTABLE B-3 mk2



The PORTABLE B-3 mk2, like the NEW B-3 mk2 is an exact digital duplication of Hammond's original B-3. Except now you'll enjoy the ability of being able to take your instrument with you whenever you want. It comes in several lightweight components making it easy to set up and take down.

PURE Hammond

Since its introduction in 1955, the Hammond B3 has become the essential performance tool for the world's great keyboard players. The instantly recognizable B3 sound is synonymous with the world of popular music, while no concert stage would seem complete without a B3's imposing wooden design. Now look at the Portable B3 mk2. Simple clean lines. All that magnificent and glorious sound. And portable.

B3 design specifications

Now, for the first time Hammond has exactly replicated the original B3 design specifications with the introduction of the NEW B3 mk2.

Sound generator system

The unique B3 sound is reproduced by a revolutionary newly designed sound generator system (96DigitalToneWheels™), which recreates all of those wonderful idiosyncrasies of the Tone wheel generator which have eluded all previous digital systems.

Waterfall keys & harmonic drawbars

Two, 61 note, B3 style, waterfall key, keyboards allow for the essential performance characteristics of the Hammond masters, especially effortless palm glissandos. While four complete sets of nine traditional harmonic drawbars and twenty four reverse color key presets achieve total ease of set up.

Mechanical multi-contact system

It is by utilizing several tone varying features that the B3 performs so uniquely. Upper and lower pitch foldback subtly effects the overall sound, while, probably, the most important and interesting feature is the nine key contact system operating on each key. These contacts connect from each of the nine drawbar pitches and by pressing a key slowly each pitch level can be determined, high to low. This system created the earliest form of touch response for tone variance as well as expression. This mechanical contact system is also responsible for Hammond's famous key click noise, an unintended feature that became an essential component of the B3 character. The NEW B3 mk2 incorporates a complete mechanical contact system, totally unique in a modern instrument.

B3 expression curve

Sound dynamics are controlled by an exact copy of the original B3 expression curve incorporated in the new instruments foot volume controller.

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Enhanced features of the New B-3 mk2:

New Sound Engine that more faithfully reproduces the natural purity of the Classic B-3 sound. A 12AU7 Vacuum tube is used in the Preamp Circuit and a 12AX7 for the Overdrive Circuit. The inclusion of Hammond's most authentic Digital Leslie simulator which can be used when an actual Leslie is not available. The Chorus/Vibrato division has been upgraded to closer model the electro-mechanical "scanner" found on the vintage B-3 organ.

SPECIFICATIONS

	Original	B-3B-3/C-3	New Portable B-3 mk2
Keyboard	61-61-25	61-61-25	61-61-25
Preset key	12 keys	12 keys	12 keys
Swell drawbars	9 pitches, 2 sets	9 pitches, 2 sets	9 pitches, 2 sets
Great drawbars	9 pitches, 2 sets	9 pitches, 2 sets	9 pitches, 2 sets
Pedal drawbars	2 pitches	2 pitches	2 pitches
Preset Memory	change by preset panel	compact flash card	compact flash card
Key method	direct analog keying	direct analog keying	direct analog keying
Contact	9 mechanical contacts	10 mechanical contacts	10 mechanical contacts
Polyphony	full polyphony	full polyphony	full polyphony
Generator	91 tone wheels	96 digital tone wheels	96 digital tone wheels
Gen. waveform	fixed	changeable by CF card	changeable by CF card
Gen. pedal	tone wheels	VASE III	VASE III
Vibrato/chorus	V1, V2, V3, C1, C2, C3	V1, V2, V3, C1, C2, C3	V1, V2, V3, C1, C2, C3
Leslie	slow fast	slow, stop, fast	slow, stop, fast
Controls		overdrive, reverb	overdrive, reverb
Tone Control		bass, treble	bass, treble
Terminal	phono input	line in, line out, MIDI out	line in, line out, MIDI out
Memory Slot		compact flash card	compact flash card
Display		20x2 digits LCD	20x2 digits LCD
Digital Reverb		Spring and 10 more models, Leslie On Reverb, Reverb Volume	Spring and 10 more models, Leslie On Reverb, Reverb Volume
EQ		Bass, Treble, Mid-Range (adjustable center frequency), B-3 type "tone" control	Bass, Treble, Mid-Range (adjustable center frequency), B-3 type "tone" control
Weight/Finish	419 lbs.	293 lbs.	175 lbs.
Dimensions	48" x 29"x 38"	48 3/4" (W) x 29" (D)x 38 3/8" (H)	52" x 29"x 38"

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