

# American Organ Sales, Inc.

*The Sound Choice for New Hammond Organs*

## Hammond B-3mk2



*Since 1934, Hammond Organ has been a standard of organ!*

*In 1975, the last of the tone-wheel B-3's were manufactured and an era came to an end. Even so, the B-3 has maintained its identity as the standard for organ sound in Popular, Jazz and Gospel musical arenas.*

*Now, after nearly 30 years, comes the start of a new era with the New B-3mk2. Every single playing aspect of the original B-3 has been carefully and meticulously recreated. The look, the feel, the sound...it's all here to a degree never before imagined.*

### **THE BIRTH OF THE "New B-3"**

Since its introduction in 1955, the Hammond B-3 has become the essential performance tool for the world's great keyboard players. The instantly recognizable B-3 sound is essential in the world of popular music, while no concert stage would seem complete without a B-3's imposing wooden cabinet.

Now, for the first time, Hammond has exactly replicated the original B-3 design specification with the introduction of the New B-3mk2. The unique B-3 sound is reproduced by a revolutionary newly designed sound generator system which recreates all of the idiosyncrasies of the tone wheel generator.

Two 61 note manuals with deluxe square-front keys allow for the essential performance characteristics of the Hammond masters. Four complete sets of Harmonic Drawbars and latching programmable Preset Keys allow total ease of set up.

The Drawbar Foldback feature subtly affects the overall sound, while the all-new Digital Analog Keying mechanism creates the famous "Key Click," an essential component of the B-3 character. Sound dynamics are controlled by an exact copy of the original B-3 expression curve incorporated in the new instrument's Expression Pedal.

Only Hammond has the qualifications and knowledge to accurately reproduce the look, sound, and feel of the legendary B-3. Now the B-3 is reborn.

### **Enhanced features of the New B-3mk2:**

- 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.

### **American Organ Sales, Inc.**

P.O. Box 2186 (708) 267-0234 phone  
Orland Park, IL 60462 (708) 349-7026 fax  
email: [franksheehan@newhammondorgans.com](mailto:franksheehan@newhammondorgans.com)

# American Organ Sales, Inc.

*The Sound Choice for New Hammond Organs*

## Hammond B-3mk2

### Playing Controls

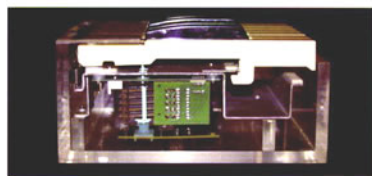
All of the switches, tablets, and other controls function exactly as on an original B-3. Four sets of Hammond Harmonic Drawbars™ plus two Pedal Drawbars. Tilting control tablets for Volume, Vibrato and Touch-Response Percussion™. Six-position Vibrato and Chorus knob. Latching Preset Keys. Even old-style "bat-handle" Power and Motor Control toggle switches. Everything, in short, to make the New B-3mk2 and the old B-3 indistinguishable in sound and performance.



### Digital Tone Wheel™ Sound Engine

*The New B-3mk2 utilizes a brand-new digital tone generating system to faithfully replicate all the sound characteristics of the tone-wheel generator. Even the actual temperament of the scale is captured exactly - all of the intervals "beat" exactly as they do on a tone-wheel B-3. All 91 pitches are continuously generated and ready to sound at any time.*

### Direct Analog Keying™



When a key is depressed, it closes nine small electrical switch contacts. Each contact causes one of the Drawbar pitches to sound. For the New B-3mk2, Hammond has created a brand-new, patented key switch assembly called Direct Analog Keying™. Each playing key contains 9 contacts which "make" and "break" individually, allowing each Drawbar harmonic to sound separately. The

"key click" therefore is produced exactly the same way as it is on a tone-wheel Hammond Organ - there is no need to sample a key click sound and add it in.

### Best combination to the New B-3mk2

#### Leslie Ready

An 11-pin Leslie can be used with the New B-3mk2. Two Leslie connectors are provided to allow Main/Echo switching between two or more Leslies. For optimum performance, we recommend either the 122XB or the all new 300 watt Model 971 Leslie Speaker.

#### Specifications

|              |   |
|--------------|---|
| ● Jack       | 11-pin interface  |
| ● Speaker    | Horn Rotor w/Treble Driver, Bass Rotor w/15" (38cm) Bass Speaker  |
| ● Control    | Speed Control: Fast/Slow/Off                                      |
| ● Output     | 122XB: 40W Tube Amplifier.<br>971: 300W Solid State Amplification |
| ● Dimensions | 41 5/8"H x 29 1/4"W x 20 5/8" D<br>(72 x 40 x 102 cm)             |
| ● Weight     | 149 lbs. (70 kgs)   |



## American Organ Sales, Inc.

P.O. Box 2186 (708) 267-0234 phone  
Orland Park, IL 60462 (708) 349-7026 fax  
email: [franksheehan@newhammondorgans.com](mailto:franksheehan@newhammondorgans.com)

# American Organ Sales, Inc.

*The Sound Choice for New Hammond Organs*

## Hammond B-3mk2

### *B-3mk2 Specifications:*

|                                 | "New B-3mk2"  | Original B-3   |
|---------------------------------|---|--|
| ● <b>Keyboard</b>               | 61-61-25  | 61-61-25   |
| ● <b>Preset Key</b>             | 12 Keys<br>Mechanical Latch   | 12 Keys<br>Mechanical Latch  |
| ● <b>Swell (Upper)</b>          | 9 Pitches 2 Sets  | 9 Pitches 2 Sets   |
| ● <b>Great (Lower)</b>          | 9 Pitches 2 Sets  | 9 Pitches 2 Sets   |
| ● <b>Pedal</b>                  | 2 Pitches   | 2 Pitches  |
| ● <b>Percussion</b>             | Second Harmonic<br>Third Harmonic<br>Fast Decay<br>Percussion Soft                | Second Harmonic<br>Third Harmonic<br>Fast Decay<br>Percussion Soft |
| ● <b>Preset Memory</b>          | Compact Flash Card  | Change By Preset Panel   |
| ● <b>Key Method</b>             | Direct Analog Keying  | Direct Analog Keying   |
| ● <b>Contact</b>                | 10-Mechanical Contacts<br>+ Rubber Contacts w/Velocity                            | 9-Mechanical Contacts  |
| ● <b>Polyphony</b>              | Full Polyphony  | Full Polyphony   |
| ● <b>Generator (Manual)</b>     | 96-Digital Tone Wheels  | 91 - Tone Wheels   |
| ● <b>Gen. Waveform</b>          | Changeable By Cfcad<br>(Flash ROM)  | Fixed  |
| ● <b>Generator (Pedal)</b>      | VASE III  | Tone Wheels  |
| ● <b>Vibrato/Chorus</b>         | V1, V2, V3, C1, C2, C3<br>Swell on, Great on                                      | V1, V2, V3, C1, C2, C3<br>Swell on, Great on                       |
| ● <b>Leslie</b>                 | Slow, Stop, Fast  | Slow, Fast   |
| ● <b>Control</b>                | Overdrive, Master Volume, Reverb, Exp.<br>Pedal with Foot Switch, Pedal Sustain   | Exp. Pedal   |
| ● <b>Tone Control</b>           | Bass, Treble  | Tone   |
| ● <b>Inputs/Outputs</b>         | Line In, Line Out<br>11 Pin Leslie Socket X 2<br>Headphone<br>Midi Out            | Phono Input<br>6 Pin Leslie Socket                                 |
| ● <b>Key Memory Slot</b>        | Compact Flash Card  | --   |
| ● <b>Display</b>                | 20 X 2 Digits Lcd   | --   |
| ● <b>Weight</b>                 | 209 Lbs (95 Kgs)  | 419 Lbs (190 Kgs)  |
| ● <b>Dimension</b>              | Same As Original B3   | Same As Original B3  |
| ● <b>Locking Keyboard Cover</b> | Included  | Included   |
| ● <b>Digital Reverb</b>         | Spring and 10 more models, Leslie On<br>Reverb, Reverb Volume                     | --   |
| ● <b>EQ</b>                     | Bass, Treble, Mid-Range (adjustable center<br>frequency), B-3 type "tone" control | --   |
| ● <b>Cabinet Finish</b>         | Red Walnut  | Various  |
| ● <b>Option</b>                 | Main/Echo Switch  | Main/Echo Switch   |
| ● <b>Warranty</b>               | 5 Year Limited  |  |

### American Organ Sales, Inc.

P.O. Box 2186 (708) 267-0234 phone  
 Orland Park, IL 60462 (708) 349-7026 fax  
 email: [franksheehan@newhammondorgans.com](mailto:franksheehan@newhammondorgans.com)