

A photograph of a church interior, viewed from the front. In the foreground, a dark wood Hammond organ is partially visible, showing its keyboard and console. The organ has the word "HAMMOND" printed on the front panel. Behind the organ, rows of light-colored wooden pews are arranged in a sanctuary. The walls are light-colored with wood paneling, and there are several windows. A large potted plant is on the left side. The ceiling is white with recessed lights. The overall atmosphere is warm and serene.

# HAMMOND®

The Legend Lives On ...

## THE INSIDE STORY

For 75 years, the Hammond Organ has been the true "King Of Instruments". In Churches of every denomination, Concert Halls of every style, and Recording Studios world-wide, the Hammond Organ is heard. You cannot find a genre of music that has not been touched by the sound of the Hammond Organ, and as familiar as the sound is, musicians keep finding fresh ways to use it. Audiences and congregations have never tired, or lost their appetite for the singular and unique voice of the Hammond Organ. Within musical instruments it is unequalled and unsurpassed.

In the 21st century, The Hammond Organ is alive and well, its tradition preserved by a company whose employees, from the top executives to the newest recruits share the passion this legend inspires.

And what a passion it is. For the devout, what instrument can stir the soul in worship like a Hammond? Gospel music is defined by it. Is there a cooler sound than a Hammond Jazz trio? Rock And Roll might be a guitarist's game, but add a B-3 and Leslie and the playing field is changed. Blues and R&B would not be the same without it. Country, Rap, Polka, Easy Listening, and Ethnic musics from every Continent turn to the Hammond when getting to the soul is the target.

The Old Hammond Organ Company built their organs to last, and very many of the original models are still in service. Time marches on, however, and the old soldiers are now starting to show their age. The classic Hammonds were intricate mechanical wonders, full of thousands of moving pieces; which have become more and more expensive and difficult to maintain, repair, or replace.

The Modern Hammond Organ company is privy to the secrets that made those classic organs play and sound that way. Our engineers have harnessed modern technology to express a 75 year old tone, allowing the organist to have the same experience that vintage Hammonds offer. There's a straight line of development from 1934 to the present day, and although there are many "clones" and imitators on the market, none come close to capturing the soul, power, and versatility of the genuine article.

The vintage Hammonds of the past are heavy, and not at all able to be modified to an organist's taste without radical and expensive



rebuilding. The new Hammonds rely on modern digital technology, with no moving parts, substantially reducing weight, while allowing each organist to tailor the organ's characteristics to reflect the subtle variations that comprise each musician's favorite Hammond sound. Those changes can be recalled in an instant, making the modern Hammond one of the most versatile instruments one can play.

The entire Hammond line, from the entry-level XK-1 to our flagship B3mk2 shares the four elements that define the Hammond Sound:

1. Drawbars-allowing countless variations of tone.
2. Virtual ToneWheels-the digital representation of the classic electro-mechanical generator.
3. Touch-Response Percussion-Adds a distinctive highlight that enhances any tone created.
4. Chorus Vibrato-provides the satiny texture found only on a Hammond Organ.

These features insure that all Hammonds sound as they are from the same family. These features insure that all Hammonds play as they are from the same family. As Twenty-first Century Hammonds share these features with the highly-prized vintage models, it is clear that they are the same family. You can choose a new Hammond with complete confidence that your organ is the finest sounding, finest playing Hammond ever built.

Another facet of Hammond that has never varied from 1934 to today is the commitment to quality of manufacture, and dedication to customer service. Innovative and efficient design allows a quick and easy solution to the rare service issue, and our staff is always a telephone call or email away.

Buying a new Hammond is always a cause for celebration. Few instruments command such devotion, and instill the thought that you truly made the right purchase. In many communities, the passing of Hammond Organ music down from generation to generation is a birthright. Your Mom and Dad played the Hammond, and you do, too. It's in your soul, it's in your heart-to share in the legend.

**CAN WE BUILD ONE FOR YOU?**



## The Legend Lives On !



Model : B3mk2

Since 1954 our model B-3 has been the standard by which all organs are judged. The New B-3 released in 2002 upheld that tradition, and added the modern conveniences that musicians have desired throughout the years. Here comes the B3mk2, which remains every bit the classic that you have come to know and love, with all of the tradition, and still more features that you have wanted. Under the "hood", our engineers have equipped the B3mk2 with a brand new sound engine. This latest rev, which casts our original tonewheel design in the digital realm, makes the eternal question "are the new Hammonds as good as the old ones" obsolete. Most of todays organists have never played a "factory-fresh" B-3 with all its fire and passion, where everything works perfectly, and no dead or sluggish notes. The inspiration doubles, or better when you're commanding an instrument of such power and grace. The B3mk2 is that instrument.



Model : C3mk2



*B3mk2/C3mk2*



Model: B3mk2

# Features

## HARMONIC DRAWBARS and VIRTUAL TONEWHEELS



The Vintage Hammond sound was created with a complex electro-mechanical generator. The B3mk2 uses our proprietary circuitry to not just mimic, but also duplicate the original sound-producing process, only in the digital realm, without moving parts. The familiar drawbars feel and respond exactly as you remember.

## ONBOARD DIGITAL LESLIE™



The LESLIE™ speaker is the traditional partner of the B-3, but sometimes one is not available. The B3mk2 has a digital LESLIE™ onboard that will provide the classic sound through the 1/4" outputs and also at the headphone jack. The digital LESLIE™ is disengaged when a physical LESLIE™ is attached via the 11-pin cable.

## REAL TUBE PREAMP

Vintage Hammonds relied on vacuum tubes in their sound chain.

The B3mk2 has a REAL TUBE preamp utilizing a 12AX7 and a 12AU7 for Overdrive.

This addition further enhances the warmth and vintage tone.



## INFORMATION CENTER and CONTROL PANEL

Although the B3mk2 may be played exactly as the classic model, the information center under the right side of the keydesk can be used to access the TRANSPOSER and all the other adjustable parameters of the B3mk2. Under the left side,



the Control panel provides instant access to all the controls you may need in performance, such as master volume, tone, reverb and overdrive. This is also where you may connect your stereo headphones.

## MIDI

You may play another keyboard or sound module from the

B3mk2 keyboard via the MIDI out jack on the rear panel. Multiple zones on the keyboards and pedal may be assigned and recalled by the preset keys. Due to the electro-mechanical keying system, the B3mk2 is unable to accept MIDI in.



## CHORUS-VIBRATO

When released in 1954, the B-3's crowning touch was the Chorus-Vibrato, which was one of the chief elements in the classic sound. The familiar controls respond in the way they always have, and the effect duplicates that of the original. You may further adjust the characteristics via the information center.



## TOUCH-RESPONSE PERCUSSION™

The other innovation of the 1954 B-3 was the introduction of touch response percussion. The distinctive attack that this feature gave to the Hammond tone is essential in jazz, rock, pop and even gospel music. The tablets and their effect on the organ's sound are identical to the classic model.



# B3mk2/C3mk2 Specifications

## PATENTED MULTI-CONTACT KEYBOARD



For the B3mk2, Hammond Suzuki has created a brand-new, patented Key switch assembly called Direct Analog Keying. Like the vintage B3, the B3mk2 playing keys contain 10 contacts which "make" and "break" individually which allows each Drawbar harmonic to sound separately. In addition, each key contains a MIDI switch so that you can play another MIDI keyboard product from the B3mk2 manual.



Leslie 122XB or 971  
Red Walnut Finish

Keyboard -----	61-note Keyboard x 2 and a 25-note pedal keyboard
Preset Key -----	12 keys, Mechanical Latch
Preset Memory -----	Internal memory, CF card
Keying Method -----	Direct Analog Keying
Polyphony -----	Full Polyphony (Upper & Lower)/8 notes Polyphony (Pedal)
Generator for Upper -----	96 digital tone-wheels (Btype1, Btype2, Mellow)
& Lower Manual Key -----	Level is adjustable wheel by wheel for 96 tone wheels
Generator for Pedal -----	VASE III (Muted, Normal, Synth 1, Synth2)
	Normal timbre is adjustable by drawbar's composite system.
Swell Drawbars -----	9 pitches, 2 sets
Great Drawbars -----	9 pitches, 2 sets
Pedal Drawbars -----	2 pitches
Vibrato / Chorus -----	V1, V2, V3, C1, C2, C3, (programmable), Swell On, Great On.
Onboard Digital Leslie -----	Advanced 2 rotor, digital Leslie
Leslie Switch -----	Slow, Stop, Fast
Percussion -----	ON/OFF, Second / Third Harmonic
	Slow/Fast Decay, Normal/Soft Volume
Preamp -----	Vacuum tube x 2(12AU7: Overdrive, 12AX7: Preamp)
Control -----	Expression Pedal w/Foot Switch
	Motor Control (Up/Down Switch)
	Pedal Sustain, Manual Bass, Normal/Soft Volume
Digital Reverb -----	Spring and 10 more models, Leslie On Reverb, Reverb Volume
Volume -----	Overdrive, Reverb, Master Volume
EQ -----	Bass, Treble, Mid-Range (adjustable center frequency), B-3 type "tone" control
Display -----	LCD 20 Character x 2 Lines (orange back Light)
External Slot -----	CF (Compact Flash) Card
	Head Phone, Line in L/R, Line out L/R, Pedal out
	Effect Send/Return
Input/Output -----	11-pin Leslie Socket x 2 (Main, Echo)
	MIDI OUT, MIDI PEDAL IN
	Leslie Switch, Main/Echo Switch
Weight -----	293 lbs
(including Pedal & Bench)	
Console Dimensions -----	48 3/4" (W) x 29" (D) x 38 3/8" (H)
(Opened)	
Locking Keyboard Cover --	Included
Cabinet Finish -----	Red Walnut
Optional -----	Main/Echo Switch
Warranty -----	5 year Limited

## The Ultimate Hammond B-3 For Musicians On Tour



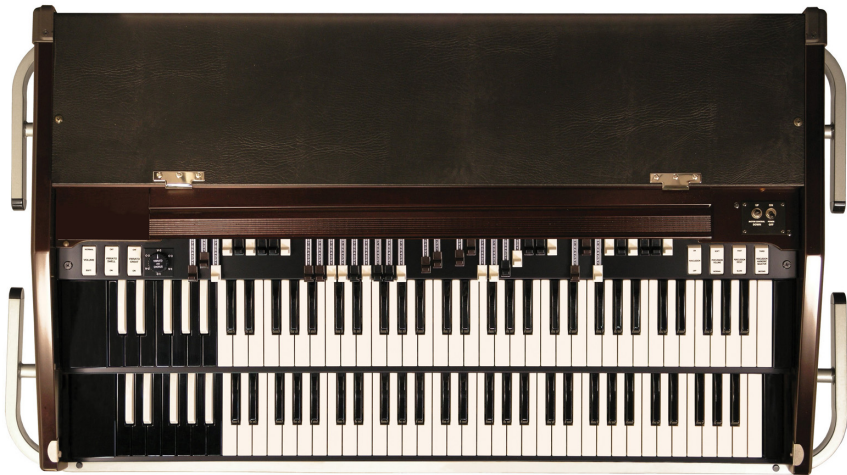
Model : Portable B3mk2

Almost since the B-3 was introduced in 1954, industrious musicians have "cutdown" or "chopped" the B-3 to make it easier to move about. In 2002, Hammond released the first official Portable B-3. With a collapsing stand and bench, the B3mk2P is perfect for any organist who is on the go, or for any church that meets in different locations. Two people can easily move the B3mk2P in most any minivan, mid-size SUV, or station wagon. The specification is identical to the B3mk2, and when the B3mk2P is set up on its stand, the playing configuration is identical as well. Every B-3 player will feel at home on the B3mk2P. Combined with the easy-to-move Leslie 3300, the B-3mk2P puts the classic combination on the road.



Shown with easily detachable keyboard cover

## *Portable B3mk2*



# Features

## HAMMOND HARMONIC DRAWBARS



The Vintage Hammond sound was created with a complex electro-mechanical generator. The Portable B3mk2 uses our proprietary circuitry to not just mimic, but also duplicate the original sound-producing process, only in the digital realm, without moving parts. The familiar drawbars feel and respond exactly as you remember.

## HAMMOND-VIBRATO

When released in 1954, the B-3's crowning touch was the Chorus-Vibrato, which was one of the chief elements in the classic sound. The familiar controls respond in the way they always have, and the effect duplicates that of the original. You may further adjust the characteristics via the information center.



## TOUCH-RESPONSE PERCUSSION™

The other innovation of the 1954 B-3 was the introduction of touch response percussion. The distinctive attack that this feature gave to the Hammond tone is essential in jazz, rock, pop and even gospel music. The tablets and their effect on the organ's sound are identical to the classic model.



## INFORMATION CENTER and CONTROL PANEL

Although the Portable B3mk2 may be played exactly as the classic model, the information



center located on the upper left side of the organ can be used to access the TRANSPOSER and all of the other adjustable parameters of the Portable B3mk2. Under the left side,



the Control panel provides instant access to all the controls you may need in performance, such as master volume, tone, reverb and overdrive. This is also where you may connect your stereo headphones.



## REAL TUBE PREAMP

Vintage Hammonds relied on vacuum tubes in their sound chain.

The Portable B3mk2 has a REAL TUBE preamp utilizing a 12AX7 and a 12AU7 for Overdrive. This addition further enhances the warmth and vintage tone.



## PRESET KEYS

Twelve mechanically latching Preset Keys are provided for each of the manuals. New Preset combinations can be easily created and stored by means of the Information Center.





# Portable B3mk2 Specifications

## PATENTED MULTI-CONTACT KEYBOARD



For the Portable B3mk2, Hammond Suzuki has created a brand-new, patented Key switch assembly called Direct Analog Keying. Like the vintage B3, the Portable B3mk2 playing keys contain 10 contacts which "make" and "break" individually which allows each Drawbar harmonic to sound separately. In addition, each key contains a MIDI switch so that you can play another MIDI keyboard product from the Portable B3mk2 manual.

## ONBOARD DIGITAL LESLIE™



The LESLIE™ speaker is the traditional partner of the B-3, but sometimes one is not available. The Portable B3mk2 has a digital LESLIE™ onboard that will provide the classic sound through the 1/4" outputs and also at the headphone jack. The digital LESLIE™ is disengaged when a physical LESLIE™ is attached via the 11-pin cable.

Keyboard -----	61-note Keyboard x 2 and a 25-note pedal keyboard
Preset Key -----	12 keys, Mechanical Latch
Preset Memory -----	Internal memory, CF card
Keying Method -----	Direct Analog Keying
Polyphony -----	Full Polyphony (Upper & Lower)/8 notes Polyphony (Pedal)
Generator for Upper -----	96 digital tone-wheels (Btype1, Btype2, Mellow)
& Lower Manual Key -----	Level is adjustable wheel by wheel for 96 tone wheels
Generator for Pedal -----	VASE III (Muted, Normal, Synth 1, Synth2)
	Normal timbre is adjustable by drawbar's composite system.
Swell Drawbars -----	9 pitches, 2 sets
Great Drawbars -----	9 pitches, 2 sets
Pedal Drawbars -----	2 pitches
Vibrato / Chorus -----	V1, V2, V3, C1, C2, C3, (programmable), Swell On, Great On.
Onboard Digital Leslie -----	Advanced 2 rotor, digital Leslie
Leslie Switch -----	Slow, Stop, Fast
Percussion -----	ON/OFF, Second / Third Harmonic
	Slow/Fast Decay, Normal/Soft Volume
Preamp -----	Vacuum tube x 2(12AU7: Overdrive, 12AX7: Preamp)
Control -----	Expression Pedal w/Foot Switch
	Motor Control (Up/Down Switch
	Pedal Sustain, Manual Bass, Normal/Soft Volume
Digital Reverb -----	Spring and 10 more models, Leslie On Reverb, Reverb Volume
Volume -----	Overdrive, Reverb, Master Volume
EQ -----	Bass, Treble, Mid-Range (adjustable center frequency), B-3 type "tone" control
Display -----	LCD 20 Character x 2 Lines (orange back Light)
External Slot -----	CF (Compact Flash) Card
	Head Phone, Line in L/R, Line out L/R, Pedal out Effect Send/Return
Input/Output -----	11-pin Leslie Socket x 2 (Main, Echo)
	MIDI OUT, MIDI PEDAL IN
	Leslie Switch, Main/Echo Switch
Weight -----	276 lbs
(including Pedal & Bench)	
Console Dimensions -----	51 1/2" (W) x 28" (D) x 38" (H)
Keyboard Cover -----	Included
Optional -----	Main/Echo Switch
Warranty -----	5 year Limited

Recommended  
Leslie 3300



# The Complete Church Organ



Model : 935

## Performance, Quality, Versatility and Prestige

The role of music in worship can hardly be understated, and the organ has been the primary instrument in churches throughout history. Laurens Hammond invented his organ over 75 years ago as a low-cost alternative to a pipe organ, and today's Model 935 continues that idea. As the Church introduces more and more modern music into its service, a more versatile organ is needed.



Closing and Locking Top provides protection for your instrument in public places.

## Model 935

The Hammond Model 935 combines the best of both worlds. Thirty-two equivalent ranks of sampled American Classic Pipe Organ voices share the specification with a full-featured Hammond Organ plus a 383 voice General MIDI division. The radiating and concave 32 note pedalboard will permit any organist to feel right at home. The three divisions may be played separately or in combination, insuring that the 935 will handle any musical assignment an organist might need.

As shown on this page, the ideal companions for the Model 935 are a pair of Leslie 971s with added Model 525 speakers. This system will provide a majestic and inspiring stereo sound for any church, of any denomination.



# Features

## HAMMOND HARMONIC DRAWBARS



The Hammond harmonic drawbars are the cornerstone for the famous and very recognizable "Hammond Sound". The wide range of pure harmonic tones, offered on both the upper and lower manuals, permit almost infinite tone combinations.

## INFORMATION CENTER

The Information Center is located on the left side of the lower manual. The Center is used to select Advanced Features such as Drawbar and Preset Characteristics, facilitates the playing or recording of a song (via the disk drive), and recording of load Settings data. In addition, the Characteristics of various functions of the organ can be changed such as Pipe Tonal Characteristics, Extra Voice selections, etc.



## MIDI

The Hammond 935 Classic Organ has the most powerful MIDI implementation to be found on a church organ. The 935 can perform in any MIDI environment. SEND and RECEIVE channels are programmable, and the manuals can be "mapped" to selectively play the internal voices or voices from a connected MIDI device.

## PERCUSSION EFFECTS

Touch Response Percussion gives the player the ability to alter the percussion effect by the way the key is pressed. Touch tabs are provided for Second and Third Harmonic percussions, Fast Decay, and Percussion Soft effects.



## TONAL RESOURCES



The resources of a traditional pipe organ are represented on the Hammond 935 Classic Organ, with a wealth of organ voices very carefully chosen and voiced to give the distinctive "American organ" sound. All four families of organ tones are represented, enabling every type of classical organ literature to be rendered exactly as written. In addition, a full selection of orchestral voices such as Grand Piano, Strings and Choir is included to allow the rendering of contemporary orchestral arrangements.

## PRESET



Thirteen Combination Presets x six Banks are available for Swell, Great and Pedal divisions for each of four different organists. These presets can be easily programmed with your own settings.

## DISK DRIVE

The disk drive is located under the lower manual on the right side of the organ. The disk drive is used to record and playback songs and to store preset banks. In addition, the drive can be used to read and playback General MIDI sound disks.



## Leslie-Ready

Housed in a beautiful matching oak finish cabinet, is especially designed to enhance the sound of the Hammond 935 Classic Organ. The rotors can be operated in three modes -  
Fast (Tremolo)  
Slow (Chorale)  
Off (Stop)

Leslie 525 and 971  
Oak finish



# Classic Organ 935 Specifications

## Sound Generator

### Pipe and Extra Voice

4 x VASE III  
(256 note polyphony)  
Drawbar and Percussion  
1 x VASE III  
(64 note polyphony)

## Keyboards

Swell 61 notes (C1 to C6)  
Great 61 notes (C1 to C6)  
Pedal 32 notes, radial concave

## Stops

Pedal  
Pedal On  
Contra Violone 32  
Principal 16  
Bourdon 16  
Octave 8  
Gedeckt 8  
Choral Bass 4  
Mixture IV  
Fagott 16  
Trompette 8

Swell  
Swell On  
Bourdon Doux 16  
Open Diapason 8  
Holz Gedeckt 8  
Gamba 8  
Voix Celeste 8  
Octave 4  
Flauto Doice 4  
Nazard 2 2/3  
Flautino 2  
Mixture III  
Contra Trompette 16  
Hautbois 8

## Vox Humana 8

Great  
Great on  
Montre 8  
Rohr Flute 8  
Prestant 4  
Harmonic Flute 4  
Aeoline 4  
Twelfth 2 2/3  
Principal 2  
Cornet V  
Mixture IV  
Trompette 8  
Clarinet 8  
Adjustable Pipe Parameters  
Volume, Detune, Chiff, Cut  
Off, Pan Direction, Pan  
Image  
Sequencer  
Record, Play/pause, Stop/  
Rewind  
Harmonic Drawbars

Swell  
9 pitches,  
B-type/Mellow/Brite  
Great  
9 pitches,  
B-type/Mellow/Brite  
Pedal  
2 pitches, Muted / Normal

Percussion  
Tab  
Second On, Third On,  
Fast Decay, Soft

Adjustable  
Touch, Velocity, Decay,  
Level

## Extra Voice

383 GM Sounds/10 Drum  
kits  
Compatible with General  
MIDI Level 1

Swell  
Swell Extra  
Swell Piano  
Swell Strings

Great  
Great Extra  
Great Chime  
Great Strings

Pedal  
Pedal Extra  
Pedal Strings  
Pedal Timpani

## Tuning

Master  
430 - 450 1Hz Steps  
Drawbar  
Tonewheel / Equal Temp

Pipe/Drawbar/ExV  
Fine Tune  $\pm$  63 cents  
Transpose  
 $\pm$  6 semitones

## Effects

Internal Leslie  
Digital, 2 Rotors (Drawbar)  
Vibrato and Chorus  
V1, V2, V3, C1, C2, C3  
Swell and Great On/Off  
(Drawbar)  
Speed: 5(6.10 - 7.25Hz)

Reverb  
8 Programs (Pipe and  
ExV1)

8 Programs (Pipe and ExV2)  
9 Programs (Drawbar)

## Chorus

8 Programs (ExV)  
Delay  
9 Programs (ExV)  
Sustain  
5 Lengths (Drawbar and ExV)  
Tremulant(Pipe)

Swell, Great, Pedal On/Off  
Mode: All, DpFl/St, Reed  
Adjustable Rate and Depth

## Couplers

Swell to Pedal  
Great to Pedal  
Swell to Great  
Melody Coupler  
Manual Bass  
Combination Presets  
6 Banks x 13 Presets  
Panel memory, Cancel

## Controllers

Switches  
Power On/Off  
Music Light On/Off

## Sliders

Master Volume  
Reverb Depth  
Pipe Volume  
Extra Voice Volume

Foot Controllers  
Expression Pedal with Foot  
Switch

## Display

20 characters, 2 lines with  
12 Control Switches

## Disk Drive

3.5" Floppy Disk drive 2  
mode  
Both song and Setup  
MIDI  
Templates: 4 modes  
Zoned 3 parts / keyboard  
(shared with Extra Voice)  
Keyboard ch. Drawbar ch,  
Expression ch

## Connections

### Front Panel

Headphone, Leslie Switch,  
CU-2 Controller

### Rear Panel

Line In L, R,  
Line Out, L/Mono, R, Bass  
Mic In with volume,  
MIDI In, Out, Thru,  
11-Pin Leslie,  
DC Out 12V

## Amplification

2 - 80W RMS Amplifiers  
1 - 100W RMS Amplifier

## Speakers

2 - 8" & 3 - 6" Full Range  
3 - 3" Tweeters, 1 - 15"  
Woofer

## Dimensions

52"(W), 29"(D), 43"(H)  
Console only  
52"(W), 51"(D), 51"(H)  
With pedal

## Shipping Weight

430 lbs (Organ + Bench),  
70 lbs (Pedal)

## *Hammond's Praise and Worship Organ*



Model : A-405 Console Organ

The New A-405 has all the traditional Hammond features plus 880 modern orchestral, synth, percussion and piano voices. The A-405 features a high-quality built-in sound system that will more than adequately fill a small church or chapel, with an onboard advanced digital LESLIE™ system that services the Drawbar voices. The A-405 has a locking keyboard cover.

The Model 920 shares all the sonic features of the A-405, except a 13-note pedalboard, slightly smaller on-board sound system, and no locking keyboard cover. Both Organs are priced so that any Church can afford true Hammond sound and quality.



Model : 920 Spinet Organ



A-405 / 920



Model : A-405



Model : 920

13-note pedalboard



# Features

## HAMMOND HARMONIC DRAWBARS



The A-405 and 920 organ contain one set of nine adjustable drawbars for each manual. In addition, two adjustable drawbars are provided for the pedals. The Hammond Harmonic Drawbar is the cornerstone for the famous and recognizable "Hammond Sound."

## PERCUSSION EFFECTS

Touch Response Percussion provides the ability to alter the percussion effect by the way the key is pressed. Touch tabs are provided for Second and Third Harmonic Percussions, Fast Decay, and Percussion Soft effects.



## PRESETS

Nine programmable Presets are available for Swell, Great, and Pedal Divisions. These Presets can easily be programmed with your own settings.

## EXTRA VOICE

The A-405 and 920 models feature an EXTRA VOICE division consisting of 880 high-quality voice that include realistic Pianos, Electric Pianos, Orchestral voice (String/Wind/Brass), Synth, and Percussion/Drum kits. Extra Voice selections are saved in the combination presets, and you can toggle the Extra Voices to sound on the Upper, Lower and Pedal keyboards from the three touch tabs on the drawbar rail.

## MIDI

The A-405 and 920 organ can perform in virtually any MIDI environment. SEND and RECEIVE channels are programmable. The manuals can be "mapped" to selectively play the internal voices or voices from a connected MIDI device.

## CF CARD



The Compact Flash card is used to record and store personal preset banks or complete performances as well as the playback of Standard MIDI data files (SMF).

## HAMMOND CHORUS-VIBRATO

A pair of touch tab switches are provided to turn the Chorus Vibrato On or Off on either the swell or great manuals, or both. A six-position rotary control provides three degrees of Vibrato (V1-V3) and three degrees of Chorus (C1-C3).



## INFORMATION CENTER

The Information Center allows the changing and editing of the organ's software parameters such as Sustain length, Drawbar voicing, MIDI parameters, and other advanced functions.



## PITCH BEND & MODULATION WHEEL

The Pitch Bend Wheel allows you to raise or lower the pitch of the drawbars and Extra Voices up to 12 half steps. The Modulation Wheel is used to add Modulation to Extra Voices and to send MIDI Data to a connected MIDI device.



## LESLIE READY

The model 525 and 971 Leslie Speaker has been designed to enhance the sounds of the A-405 organs. The rotors can be operated in three modes -  
Fast (Tremolo)  
Slow (Chorale)  
Off (Stop)  
Red Walnut finish



# A-405/920 Specifications

## Sound Generator

### Drawbars

2- VASE III (61 note polyphony)

### Extra Voice

80 note polyphony

## Manuals

Swell C1 to C6 61-key

Great C1 to C6 61-key

## Pedal Keyboard

A-405: 25-note, radiating, detachable

920: 13-note attached

## Harmonic Drawbars

Swell 9 Pitches

Great 9 Pitches

Pedal 2 Pitches

Drawbar Voicing – Manual 5 choices

Drawbar Voicing – Pedals 4 choices

## Touch-Response Percussion

### Buttons

Second Harmonic, Third Harmonic,

Fast Decay, Volume Soft

### Adjustable Parameters

Touch, Velocity, Decay (Fast, Slow),

Level (Normal, Soft)

## Extra Voice

### Instruments

880 Instruments, 56 Drum Kits

General MIDI upper compatible

### Parts

1 Part per keyboard

## Effects

### Internal Leslie

Advanced Digital, 2 Rotors

Buttons, On, Fast

### Vibrato and Chorus

Digital Scanner

Rotary Mode Knob: V1, V2, V3, C1, C2, C3

Buttons: Swell On, Great On

## Overdrive

Advanced Digital

## Equalizer

Drawbars: Bass, Mid & Treble tone

Extra Voice: Bass, Mid & Treble tone

## Reverb

Continuously Variable

Digital, 10 programs

## Pedal Sustain

5 lengths

Button: Pedal Sustain On

## Tuning

430 – 450 1Hz. Steps

## Transpose

-6 to +6 semitones

## Coupler (Buttons)

Pedal to Great, Great to Pedal

## Combination Presets

9 Banks, 9 Presets

## Controllers

### Volumes

Master Volume, External Volume,

Extra Voice Volume

### Wheels

Pitch Bend, Modulation

### Pedal

Expression Pedal w/1 Foot Switch

## Sequencer

SMF compatible Sequence Recorder

w/ Simple Rhythm Player

## Storage

Compact Card Slot

## Display

20-Characters, 2-lines, 9 control buttons

## MIDI

Templates: 3 Templates

External Zones: 1 Zone per Keyboard

## Connections

### MIDI

In (Keyboard), In (Multi), Out

### Audio

Line In, L, R, Line Out, L, R, Headphones

### Leslie

11-pin, 1 to 3 channels available

## Sound System

### Amplification

3 – 50 watt RMS amplifiers

### Speakers

A-405: 2 – 2" tweeters, 8" & 6" full range,  
15" woofer

920: 8" & 6" full range, 12" woofer

## Dimensions

A-405: Closed, without pedal keyboard

37 3/4" (H), 46 1/4" (W), 26" (D)

920: 37 3/4" (H), 45 5/8" (W), 25 1/2" (D)

## Weight

A-405: Console and Bench & Pedal key-  
board 277 lbs

920: Console and Bench 205 lbs

## Warranty

5 year Limited



A-405 and 920 back panel

# The Ultimate Home Organ



Model XH-272

*The Hammond XT/XH organs combine the best of Hammonds from the past with the most advanced technology of the future. Everything you've ever dreamed of musically is yours to command with this exciting organ series.*

In addition to the famous Hammond Harmonic Drawbars, these organs feature 214 authentic digital voices with unparalleled realism. Our famous Auto-Vari Rhythm contains 98 rhythms and our exclusive Touch Tempo feature. Our AutoBand Orchestra gives you 98 scored arrangements along with the drum and percussion patterns to make you sound your very best. Hammond's Easy Play System gives you 26 different chord types playable using a minimum of notes. The amazing Auto Arpeggio provides a variety of easy, professional sounding patterns for the beginner, and unlimited dramatic and exciting special effects for the experienced musicians.

The Hammond XH-272 is a full console with two 61-note manuals, a 25 note radiating pedalboard and a 15" bass speaker housed in a beautiful walnut finished cabinet. Also available is our model XH-273 console in a warm cherry finish. The XT-272 spinet organ contains the same basic features as our console organs except it is provided with a 13-note pedalboard and a 12" bass speaker in a contemporary styled walnut finished cabinet. Our XT-172 organ has all the features of the XT-272 organ except it contains two 49-note manuals.



Model XT-273

XT-272 / XH-272



# Features

## HAMMOND HARMONIC DRAWBARS



The XT/XH organs contain a set of nine adjustable drawbars for each manual. In addition, two adjustable drawbars are provided for the pedals. The Hammond Harmonic drawbar is the cornerstone for the famous and recognizable "Hammond Sound."

## INFORMATION CENTER



The Information Center allows the changing and editing of the organ's software parameters such as drawbar voicing and other advanced functions.

## AUTO-VARI RHYTHM & AUTOBAND ORCHESTRA

The famous AUTO-VARI RHYTHM with exclusive TOUCH TEMPO feature contains 98 rhythms with authentic percussion sounds - from drums to bongos to cymbals. The AutoBand Orchestra gives you 98 scored arrangements along with the drum and percussion patterns to make you sound your very best.



## PERCUSSION EFFECTS

Touch Response Percussions provides the ability to alter the percussion effects by the way the key is pressed. Touch tabs are provided for Second and Third Harmonic percussions, Fast Decay, and Percussion Soft effects.



## ORCHESTRAL VOICES

The XT/XH organ contains 214 authentic sounds made from actual digital recordings of each instrument then reproduced by a sophisticated digital playback system. The sound library ranges from reedy clarinet, to the breathiness of a flute, to the beauty of string sections and pianos. Additionally, the Ensemble section gives rich philharmonic strings and vocal Choir sounds.

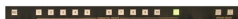


## ANIMATION



6 Degrees of Vibrato and Chorus are provided in addition to a 2-rotor digital Leslie simulator.

## PRESETS



10 illuminated Presets are located between the upper and lower manuals. 10 Banks are available for you to store your favorite registrations.

## DISK DRIVE

The Disk Drive is used to record or store personal Preset Banks or complete performances as well as the playback of Standard MIDI data.



## LESLIE-READY

The model 525 and 971 Leslie Speaker has been designed to enhance the sounds of the XT/XH organs. The rotors can be operated in three modes -

- Fast (Tremolo)
- Slow (Chorale)
- Off (Stop)

Leslie 525 and 971  
Red walnut finish





# XT/XH Organs Specifications

## VASE and VASE II Digital Technology

### Keyboards & Pedals

- XT-172 Two 49-note manuals
- XT-272 Two 61-note manuals
- XT-172/XT-272 13-note attached pedalboard
- XH-272/XH-273 Two 61-note manuals
- 25-note radiating detachable pedalboard

### Harmonic Drawbars

- 9 Pitches for each manual: 16', 5 1/3', 8', 4', 2 2/3', 2', 3/5', 1 1/3', 1'
- 2 Pitches for Pedals: 16', 8'
- Adjustable Voicing & Attack for Upper & Lower Manuals and Pedals. Adjustable Foldback for Upper & Lower Manuals

### Touch-Response Percussion

- Second Harmonic, Third Harmonic, Fast Decay, Soft Touch Tabs • Adjustable Level, Velocity ON/OFF, Percussion Drawbar Cancel ON/OFF, Drawbar Level w/Percussion ON/OFF.

### Orchestral Voices

- Flute, Pan Flute, Tenor Sax, Oboe, Clarinet, French Horn, Trumpet, Muted Trumpet, Trombone, Synth Brass, Violin, Harmonica, Accordion, Church Organ, Grand Piano, Harpsichord, Electric Piano, Clavi, Jazz Guitar, Clean Guitar, Nylon String Guitar, New Age Pad, Vibraphone, Glockenspiel, Marimba, Steel Drum, Banjo, Chime • On Upper, On Lower, Solo, Mono, Octave Down, Tone Control, Effect Control, and Chorus Touch Tabs • Two Programmable Custom Voices, Voice Edit, Filter Cutoff, Filter Resonance, Vibrato Rate, Vibrato Depth, Vibrato Decay, Envelope Attack, Envelope Sustain, Envelope Release, Chorus Send Level, Fine Tune, Key Shift.

### Custom Voice Section

- On Upper, On Lower, Solo, Select, On Display, and Tone Control Touch Tabs • 214 Custom Voices in 13 Voice Groups • 16 User Voices

- User Voice Edit: Voice Name, Filter Cutoff, Filter Resonance, Vibrato Rate, Vibrato Depth, Vibrato Delay, Envelope Attack, Envelope Sustain, Envelope Release, Chorus Send Level, Fine Tune, Key Shift.

### Ensemble Voice Section

- Upper String 1, Upper String 2, Lower String, Lower Choir, Chorus Touch Tabs • Programmable Voices Chorus (Detune) Edit: Width, Offset, Depth

### Pedal Voice Section

- Acoustic Bass, Electric Bass, Tuba • 24 Custom Voices • Octave Down, Pedal to Lower, Lower to Pedal Touch Tabs • Custom Voice Edit: Voice Name, Filter Cutoff, Filter Resonance, Vibrato Rate, Vibrato Depth, Vibrato Delay, Envelope Attack, Envelope Sustain, Envelope Release, Chorus Send Level, Fine Tune, Key Shift.

### Auto-Vari

- 98 rhythms each with four programmable variations, Intro/Ending, Fill in 1, Fill In, Measure Selector, Adjustable Volume, Tempo Control Wheel, Touch Tempo, Stop/Start, Touch Start, ProFoot Start/Stop.

### Rhythm Preset

- 98 built in presets, one for each rhythm.

### AutoBand Orchestra

- 98 musical accompaniment styles each with four programmable variations; AutoChord, AutoBand 1, AutoBand 2, Auto Bass and Memory.

### Manual Drums

- 9 Drum Kits plus Follow the Player-Rhythms.

### Animation

- 6 degrees of Vibrato & Chorus • Leslie On, Leslie Fast Touch Tabs • Adjustable Slow & Fast Speeds, Rise, Fall & Brake Times, Horn/Bass Volume Balance, Microphone Settings.

### Digital Reverb: 4 Programs

### Auto Arpeggio: 5 Patterns, 22 Voices

### ProChord: 20 Patterns

### Sound Effects: 43 settings

### ProFoot: 12 programmable functions plus Off

### Sustain: Variable for Upper Manual, Lower Manual and Pedals

### Presets: 10 illuminated Presets to register the entire organ, 10 banks available.

### Information Center Display:

- LCD Display 240 X 64 characters, 16 numbered Touch Buttons for volume and function control, PLAY, MENU, DISPLAY, HOLD, EDIT, PAGE UP and PAGE DOWN Touch Buttons.

### Disk Drive:

- Store Preset Banks and Songs. Play back SMF Standard MIDI Files). GM/GS-compatible. Download additional Auto-Vari Styles and Rhythms.

### Headphone & Auxiliary IN/OUT Jacks

### MIDI: Upper, Lower, Pedal and Mute Touch Tabs, Connections: IN, OUT, THRU Selectable MIDI Channels

### Pitch Bend / Modulation / Leslie Optional CU-2 Control Center

### 11-Pin Leslie Connector

### Amplifiers: 3 50-watt RMS amplifiers

### Speakers:

- XT-172/XT-272 1 - 12", 2 - 8", 2 - 4", 2 - 4" X 6"
- XH-272/XH-273 1 - 15", 2 - 8", 2 - 4", 2 - 4" X 6"

### Dimensions

- XT-172/XT-272 D 28" W 49 3/4" H 48 3/4" w/music rack
- XH-272/XH-273 D 40 1/2" w/pedals W 49 3/4" H 51 1/2" w/music rack

### Closing Roll Top

### Warranty: Limited 5 year

## The Versatile XK System



XK-3c shown with optional lower manual & cabinet, stand, pedalboard, and bench.

*Hammond Suzuki USA is very excited and proud of its revolutionary, yet affordable organ, the Hammond XK System.*

The heart of this new system is our famous XK-3c keyboard. This keyboard utilizes the same "sound engine" as our New B-3 organ. When the XK-3c keyboard is outfitted with the optional lower manual and cabinet, stand, 25-note pedalboard and bench, the XK System resembles both in looks as well as in sound, the famous Hammond B-3. It is the only keyboard product on the market today in which a single-manual type keyboard (XK-3c) can be converted to a double-manual type keyboard and back to a single-manual type keyboard (XK-3c) quickly without any tools or technical experience. You can choose which of the many affordable optional accessories you want and when you wish to purchase them.



Hammond XK-3c Keyboard

## *XK-System*



# Features

## HAMMOND HARMONIC DRAWBARS



The XK-3c Keyboard and the XK System contains 2 sets of 9 adjustable drawbars, and a set of 2 drawbars for the pedals. The Hammond Harmonic drawbars are the cornerstone for the famous and recognizable "Hammond Sound."

## HAMMOND VIBRATO

Split Upper and Lower Vibrato/Chorus switches.

A six-position rotary control provides three degrees of Vibrato and three degrees of Vibrato Chorus.



## EASY ASSEMBLY

The XK System is designed to assemble quickly without the use of any tools. Knob-style bolts are provided for assembling the bench, connecting the stand to the lower manual cabinet, and to fasten the top lid of the lower manual cabinet. For a more custom look or when quick assembly/disassembly is not required, decorative screws are provided (requires the use of a common allen wrench to tighten these screws).



Knob Bolt

*In addition to all these great features, the XK-3c Keyboard contains two Internal Vacuum Tubes that will change continuously from Pre-Amp Mode to Overdrive Mode via a control knob, and a 2-Rotor Digital Leslie. XK-3c Keyboard and XK System have all the features that you would expect to find on a Hammond Vintage B-3.*

## PRESET KEYS

An octave of reverse-color Preset Keys (twelve) are provided for the XK-3c keyboard as well as for the XK System lower manual. These Presets can be easily programmed with one's personal setting.



## PITCH BEND & MODULATION WHEEL

The Pitch Bend Wheel allows you to raise or lower the pitch of the drawbars up to 12 half steps. The modulation wheel is used to add Modulations to the Extra Voices on a connected MIDI device.



## MIDI

The XK-3c Keyboard and XK System can perform in virtually any MIDI environment. *SEND* and *RECEIVE* channels are programmable. A library of 132 programmable patches allows you to save and store your own Drawbar combinations, and MIDI information.



## INFORMATION CENTER

The Information Center allows the changing and editing of the organ's software parameters such as Sustain length, Drawbar voicing, MIDI parameters, and other advanced functions.



## PERCUSSION EFFECTS

Touch Response Percussion provides the ability to alter the percussion effect by the way the key is pressed. Touch tabs are provided for Second and Third Harmonic Percussions, Fast Decay, and Percussion Soft Effects.



## LESLIE READY

The Leslie 21, 122XB, and 971, have been designed to enhance the sounds of your XK-3c Keyboard or XK System. The rotors can be operated in three modes - Fast (Tremolo), Slow (Chorale), or Off.



Leslie 21

# XK-System Specifications



## 1: Hammond XK-3c Keyboard

Keyboard: 61 + 12 (preset keys)  
Drawbars: 2 sets of 9 and 1 set of 2 drawbars  
Sound Generator: Vase III sound generator creates 96 digital tone-wheels, Tone-wheel leakage noise and motor-noise are adjustable wheel by wheel  
Preset: Reverse color keys presets 11 preset x 12 Banks + Cancel

Polyphony: Full polyphony (unlimited)  
Leslie: Next generation digital Leslie and scanner vibrato  
Pre-amp: Real dual tube amp for pre amplification  
Overdrive: Leslie overdrive  
Reverb: 10 Modes  
Tone Controls: Bass, Mid range, Treble  
Sustain: Pedal Drawbars  
Wheel: Pitch Bend, Modulation  
Panel Controls

Leslie: Slow/fast, on/off, break/thru, effect send /return  
Vibrato/Chorus: Upper ON, Lower ON, V1, V2, V3, C1, C2, C3 with 6 position rotary knob  
Percussion: Second, Third, Decay fast, Soft  
Effect: Tube amp, Reverb on  
Demo: Demo/Pedal Sustain  
Display Switch: Page up/down, Parameter, Value up/down, Rotary encoder, Menu/exit, Play, Rec, Bank  
Volume control: Master Volume, Tone control, Tube overdrive

Display: 20 character, 2-line back light LCD  
Terminal: AC input, line out L/R, Leslie 11 pin, MIDI in-1 (Pedal)/MIDI in-2(Lower keyboard)/MIDI out, Headphone, Foot switch / Leslie switch, Expression pedal (EXP-100AN or EXP-100F with Leslie switch)  
Card Slot: Compact Flash  
Power supply: 100V/120V/220V/240V  
Dimensions: 47"(W), 16"(D), 5"(H)  
Weight: 41 lbs

## 2: XK-System Cabinet (with Lower manual + music rack)

Keyboard: 61 + 12 (preset keys)  
Panel Controls: Power on/off  
Terminal: AC input, MIDI out, Headphone  
Dimensions: 48"(W), 25"(D), 8"(H) (without music rack)  
Weight: 67 lbs

## 3: XK-Stand

Dimensions: 48"(W), 25"(D), 30"(H) (set up)  
Weight: 36 lbs  
\* C-3 style panels optional

## 4: XK-Pedal Board (25 note MIDI)

Keyboard: 25 keys  
Terminal: MIDI out, Expression pedal out  
Dimensions: 42" (W), 37"(D), 6"(H) (without expression pedal)  
Weight: 55 lbs

## 5: XK-Bench (collapsible)

Dimensions: 36"(W), 15"(D), 23"(H) (assembled)  
Weight: 29 lbs

# Pro XK-System

Like our Traditional XK-System, the heart of the Pro XK-System is our famous XK-3c keyboard. The lower manual features 61 water fall keys and 12 reverse color presets, a Hammond exclusive. The sturdy folding metal stand and bench (not shown) can easily be assembled without any tools.



*Designed for the Pro Touring Musician*

## Assembling the Pro XK System

The Pro XK System can easily be assembled without any tools or technical experience very quickly. Even though one person can easily manage the setup, two persons are recommended to prevent possible cosmetic damage to the lower manual and XK-3c's wood cabinet.

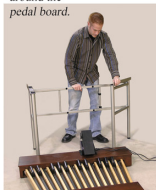
### Step 1

Fasten the Expression pedal to the pedal board with the knob bolt provided. Plug the two cables supplied into the side of the expression pedal.



### Step 2

Unfold the sturdy metal stand and place it around the pedal board.





# Features and Specifications

## Step 3

Place the Lower manual on top of the metal stand making sure to align the four rubber feet on the underside of the lower manual with the four matching holes located on top of the stand.



## Step 4

The XK-3c keyboard has four holes on its underside that aligns with four metal dowels located on the lower manual's end blocks. Carefully position the XK-3c on top of the lower manual making sure that the metal dowels align with the holes in the bottom of the XK-3c keyboard.



## Step 5

Unfold the lightweight metal bench stand. Place the bench on top of the stand and fasten it to the stand with the two knob bolts provided.



## Step 6

Interconnect the plug-in cables from the pedal board, lower manual and the XK-3c keyboard. Dress the pedal cables neatly to the stand by use of the Velcro straps provided.



## Pro XK-System (full set)

### Pro XK-System Lower Manual

Keyboard	61 + 12 (preset keys)
Controls	Power on/off
Terminal	AC input, MIDI out, Headphone
Dimensions	47"(W) x 22 7/8"(D) x 3 1/2"(H)
Weight	28.6 lbs

### Pro XK-System Stand

Dimensions	48"(W) x 21 1/4"(D) x 31"(H)
Weight	25.3 lbs

### Pro XK-System Pedal Board

Keyboard	25 note MIDI
Terminal	MIDI out, Expression pedal out
Dimensions	42"(W) x 37"(D) x 6"(H)

### Pro XK-System Bench (collapsible)

Dimensions	36"(W) x 14 1/2"(D) x 23"(H)
Weight	30 lbs



# Hammond 44

## A New Sound is a Breath Away

The Hammond 44 is the finest, most deluxe and most versatile Melodion (Keyboard Harmonica) ever produced. Designed in collaboration with leading Harmonica manufacturer Suzuki Musical Inst. Mfg. Co., Ltd. the Hammond 44 offers many unique features that will compliment all facets of music. Pops, Jazz, Roots, Rock, Country, Blues, Latin, Reggae, World/Ethnic and Folk; the Hammond 44 is perfect for all of these genres.

- The Hammond 44 is the first Melodion that incorporates a built-in Dynamic Microphone (Patent Pending) which creates less mechanical noise compared to an external microphone and an exceptional clear reed sound with H.D. Quality Sound reproduction. This unique microphone creates a very warm and deep sound that can't be matched by an external microphone.
- The Hammond 44 incorporates the first 44 note piano style keyboard on a Melodion instrument. The lowest keyboard note is c and ends at g<sup>3</sup>. This wider range keyboard is especially useful when playing the Acoustic/Electric Melodion in a solo performance.
- The keyboard has a slightly shallow key stroke compared to other keyboard products. This aids the musician when fast fingering or glissandos are required.
- There are three types of mouthpieces included with the Hammond 44. With the Short mouthpiece and hand-strap, you can play the Hammond 44 upright like a trumpet, or use the Flexible mouthpiece to hold the 44 at arm's length, or sling the 44 on like a guitar (with a guitar strap and the included strap buttons). Using the L Joint long mouthpiece you can play it as a table-top instrument, with the option of putting it on top of your organ, piano or synth. The non-skid feet steady the 44 in the last application.



Short mouthpiece  
MP-141



L Joint long mouthpiece  
MP-171



Flexible mouthpiece  
MP-161



The Hammond 44 utilizes the best sounding reeds in the world! The Hammond 44 uses newly designed custom tapered reeds that offer the musician brighter and warmer sounds than any other keyboard harmonica.



## Acoustic/Electric Melodion



Hammond 44 Played on top of B3mk2 Organ

### Specifications:

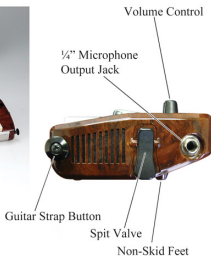
Keyboard & Range:	44 keys, c – g <sup>3</sup>
Sound Source:	Phosphorous Bronze Tapered Plated Reeds
Microphone Output:	¼" Phone Jack
Microphone Type:	Dynamic
Control:	Volume
Dimensions:	22 ¼" x 4 ¼" x 2"
Weight:	2lb, 10oz.
Accessories:	Short Mouthpiece, Flexible Mouthpiece, L Joint Long Mouthpiece, Polishing Cloth, Gig bag

Note: The instrument sounds at "C concert pitch"

Jazz organ great Tony Monaco plays the Hammond 44 Melodion



Supplied Accessories



Optional Accessory Trumpet Mouthpiece

MP-131



The Velcro-adjustable hand-strap on the Hammond 44 allows a perfect fit for any size hand. The easy adjustment insures a highly comfortable performance.



A backpack-styled gig bag in black and burgundy displays the Hammond logo and is designed to hold the 44, all the mouthpieces, and the polishing cloth.

MP-2002



