HAMMOND®
The Legend Lives On ...
HAMMOND

The inside story

For 77 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 77 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

On the cover : Spirit of Grace Church, Burnham, IL

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 SK1 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 !

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 : B3mk2

Model : 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 ¼" 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

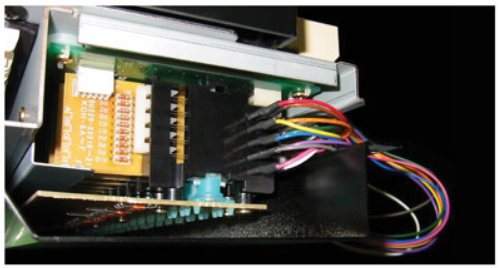
When released in 1954, the B-3's crowning touch was the Chorus-Vibrato, which was one of the chief elements in the classic sound. The familiar controls respond in the way they always have, and the effect duplicates that of the original. You may further adjust the characteristics via the information center.

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 & Lower Manual Key	96 digital tone-wheels (Btype1, Btype2, Mellow) 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
Input/Output	Head Phone, Line in L/R, Line out L/R, Pedal out Effect Send/Return 11-pin Leslie Socket x 2 (Main, Echo) MIDI OUT, MIDI PEDAL IN Leslie Switch, Main/Echo Switch
Weight (including Pedal & Bench)	293 lbs
Console Dimensions (Opened)	48 ¾" (W) x 29" (D) x 38 3/8" (H)
Locking Keyboard Cover	Included
Cabinet Finish	Red Walnut
Optional	Main/Echo Switch
Warranty	5 year Limited

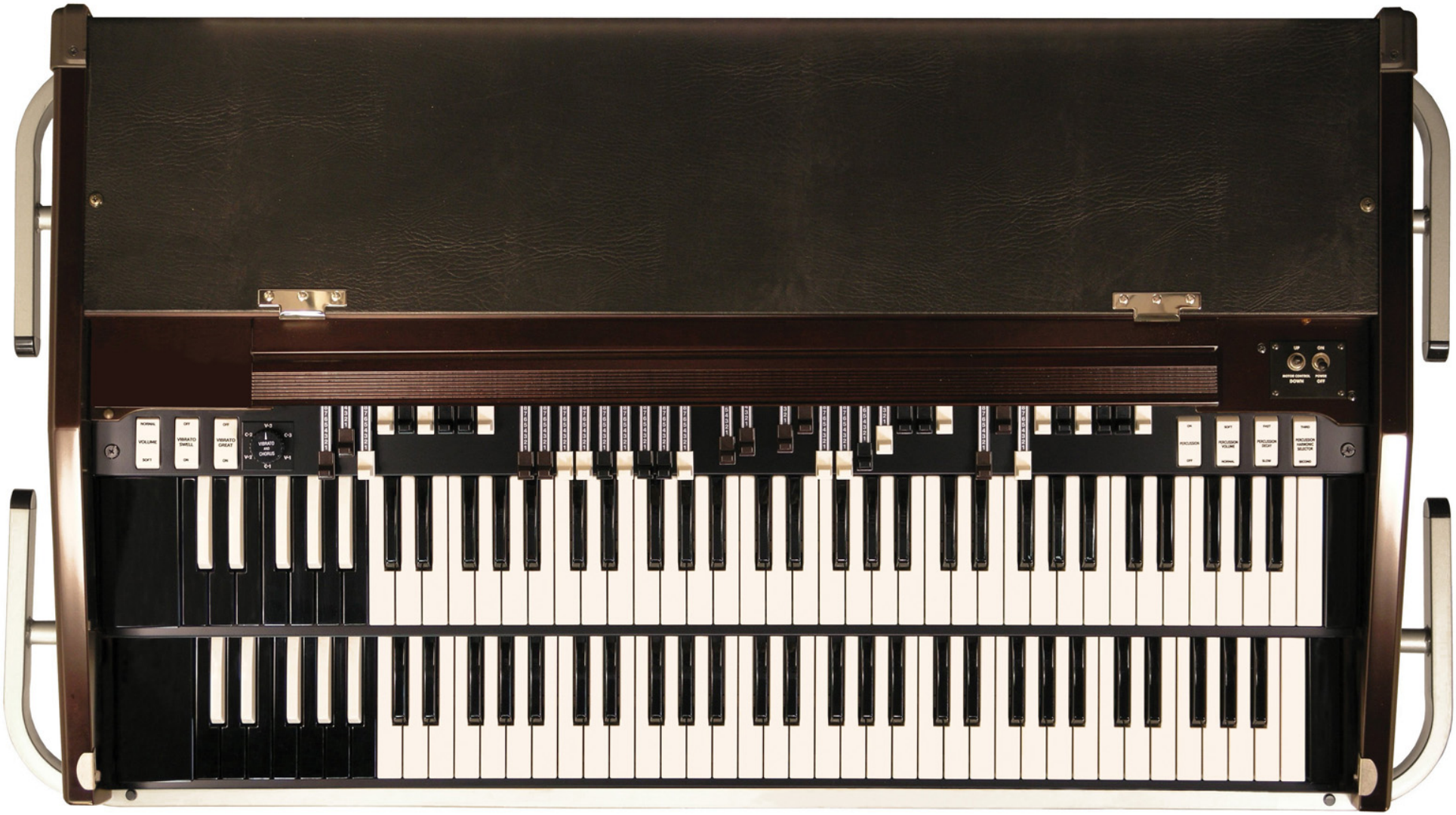
The Ultimate Hammond B-3 For Musicians On Tour

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

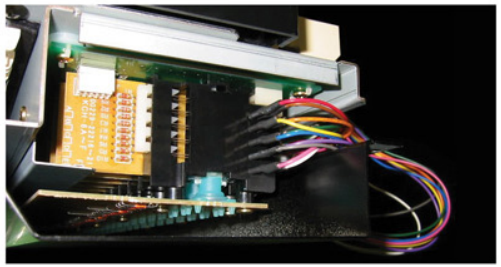
Vintage Hammonds relied on vacuum tubes in their sound chain. The Portable B3mk2 has a REAL TUBE preamp utilizing a 12AX7 and a 12AU7 for Overdrive. This addition further enhances the warmth and vintage tone.

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 ¼" 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 & Lower Manual Key	96 digital tone-wheels (Btype1, Btype2, Mellow) 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
Input/Output	Head Phone, Line in L/R, Line out L/R, Pedal out Effect Send/Return 11-pin Leslie Socket x 2 (Main, Echo) MIDI OUT, MIDI PEDAL IN Leslie Switch, Main/Echo Switch
Weight (including Pedal & Bench)	276 lbs
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.

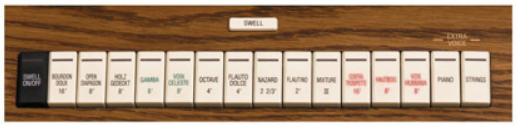
INFORMATION CENTER

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.

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

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.

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
- Tabs
  - 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 ± 63 cents
- Transpose
  - ± 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

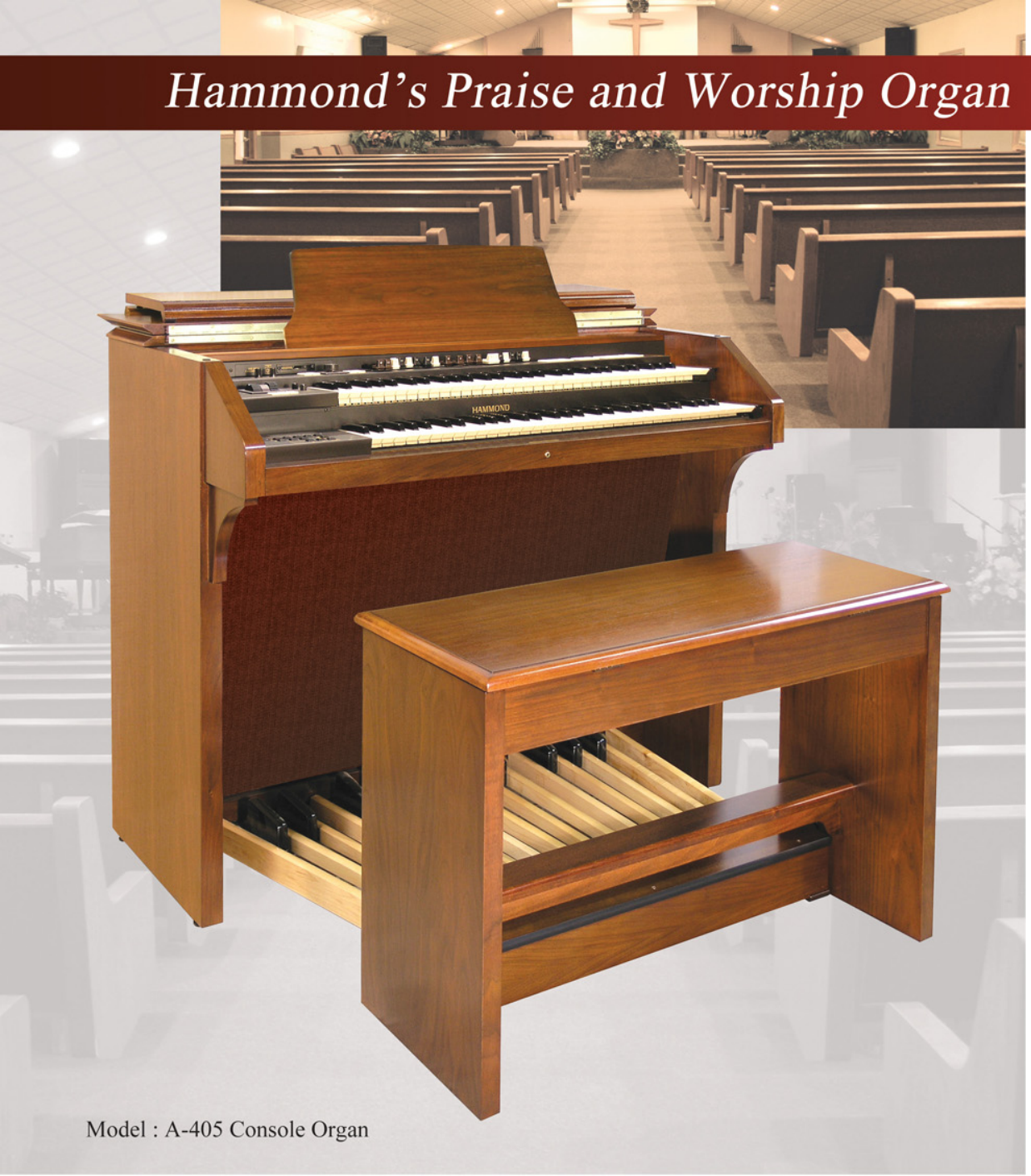
Amplification
- 2 - 80W RMS Amplifiers
- 1 - 100W RMS Amplifier

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

Model : A-405

13-note pedalboard

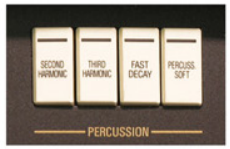
Model : 920

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.

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).

PRESETS

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

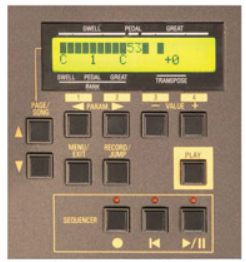
EXTRA VOICE

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.

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 keyboard 277 lbs
- 920: Console and Bench 205 lbs

Warranty
- 5 year Limited

A-405 and 920 back panel

The organ you always wanted is finally here!

Model Mini-B

The Hammond B-3 organ is one of the most recognizable musical instruments ever, in both appearance and sound. Since 1954, it has been the standard by which all organs are judged. Now the feel, sound, and look of the King of Instruments is within the financial reach of your church, studio, or home.

Introducing the Hammond Mini-B Organ-the spitting image of the legendary B-3, with all the key features found on our B-3mk2 organ like Custom Digital Tone Wheels, Harmonic Drawbars, Chorus Vibrato, Touch Response Percussion, and reverse color Preset Keys. The Mini-B feels and plays just like the classic B-3 organ. With a three year limited product warranty included at no extra cost, the Mini-B is the right organ at the right price for you or your church. Make your dream come true today!

Easily Removable Upper Keyboard (XK-3c)

Mini-B Specifications

Included with every Mini-B organ at no extra charge!

- **Deluxe "Opening " bench to store music books and the removable music rack**
- **"Traditional Half-Moon" Leslie switch**
- **30 ft long Leslie speaker cable**
- **Top of the line TrippLite TM Surge protector to protect your Organ & Leslie speaker from lightning strikes and power surges**
- **300-watt solid state Leslie speaker, model 971se especially designed for the Mini-B organ (additional Leslie speakers are available at extra cost)**
- **3-year Limited Product Warranty on the organ, 1-year Limited Product Warranty on the Leslie speaker**

Everything you need is included in this package except the musician!

Mini-B

Keyboard	61 note x 2 and 25 note pedal keyboard
Preset	12 Reverse color keys presets x 2
Drawbars	2 set 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
Polyphony	Full polyphony (unlimited)
Leslie	Next generation digital Leslie and scanner vibrato
Pre-amp	Real dual tube pre amp (12AX7, 12AU7)
Transposer	+6, -6 half-steps
Reverb	8 Modes
Tone Controls	Bass, Mid range, Treble
Sustain	Pedal Drawbars
Wheel	Pitch Bend, Modulation
Panel Controls	
Leslie	Slow/fast, on/off, brake/thru, effect send/return
Vibrato/Chorus	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 in1/in 2/out/thru, Headphone, Foot switch/Leslie switch, Expression pedal (EXP-100A or EXP-100F with Leslie switch)
Card slot	Compact Flash
Power supply	100V/120V/220V/240V
Dimensions	48 inch(W), 26 3/4 inch(D), 38 1/8 inch(H)
Weight	320 lbs (Including Pedal and Bench)

Leslie 971 se

Input	11-pin connector (Single-channel)
Speed	Two-speed horn and bass rotor
Amplifier	300-Watt RMS
Speakers	15" Woofer and custom horn driver
Dimensions	29 inch(W), 21 inch(D), 41 inch(H)
Weight	139 lbs

Optional Accessory

Custom designed black vinyl cover for the Mini-B organ

Genuine Tonewheel Sound Plus HD Quality Extra Voices

The Hammond Mini-B Plus contains all the Traditional B-3 Sounds and features found on our popular Mini-B organ Plus HD Quality Extra Voice sounds from our new SK1 keyboard such as Acoustic & Electric Pianos, Pipe organ, Strings and Wind Instruments, and more!

These Extra Voice sounds can be played as a solo voice on any of the three (3) manuals or together with the Hammond Drawbar Sounds. The reverse presets on the Midi-B can be used to store for easy access not only your favorite drawbar registrations but also your Extra Voice selections.

The Mini-B Plus package includes our Mini-B organ and Leslie 971se Leslie speaker Plus our SK1 keyboard, Leslie 2121, and all of the Leslie, MIDI and Audio Cables. Everything you need for your next church service is included except the Musician of course!

SK1 Keyboard

Mini-B Plus Specifications

These MIDI controls can be used to select SK1 Extra Voice Sounds & act as a Mixer to adjust their individual volumes

The Leslie 2121 can be used in your Mini-B Plus installation or to amplify your SK1 and XK-3c keyboards when traveling outside your church.

Mini-B	See page-20
Leslie 971se	See page-20
SK1	See page-30

Leslie 2121

Power output	Bass 150 W RMS, Horn 50 W RMS
Speakers	15” Woofer, Horn Tweeter
Input 1	MIC/LINE (XLR Type w/Phantom plus Phone Jack) Insert (SEND, RETUN)
Input 2, 3	Line in phone Jack
Output	Line out phone jack
Other Terminals	Remote Power input
Controls	Volume 1, 2, 3 Master Volume Tone Control (BASS, TREBLE)
Cabinet	High Impact black finish
Dimention	20“(W) x 20 1/2” (D) x 30” (H)
Weight	86 lbs

Accessories

Included	CU-1 Leslie Switch, Surge Protector, 11-pin Leslie cable, AC Power Cords 12’ Audio Cable, MIDI Cable, Custom Wood Stand
Optional	Vinyl Cover

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

HAMMOND XK-3c

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

2

3

* C-3 style panels

4

5

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

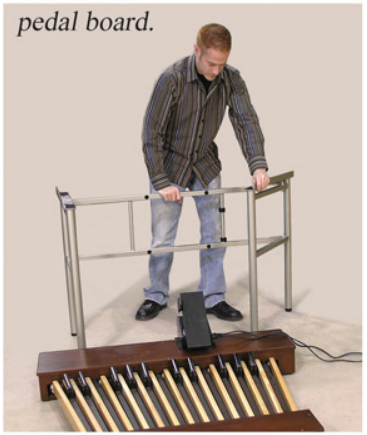
The Pro XK System can easily be assembled without any tools or technical experience very quickly. Even though one person can easily manage the setup, two persons are recommended to prevent possible cosmetic damage to the lower manual and XK-3c's wood cabinet.

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.



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 manuals 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

Lightweight Hammond Organs with HD Extra Voice Sounds

Imagine

Imagine a Hammond organ that weighs only 15 lbs! Our new trim Hammond SK1 organ (15lbs) and our SK2 organ (35lbs) can easily be carried by one person to any of your gigs. These instruments have all of the Hammond Traditional sounds plus HD quality Acoustic & Electric Pianos, Clavs, Wind Instruments, Accordion and more! New voices can easily be added via our USB port from our Website. Hammond Drawbar sounds can be played together with Extra Voices sounds which dramatically increases the versatility of these outstanding instruments.

Pictured above is our SK2 keyboard mounted on a popular keyboard stand available at most music stores and our optional XPK-200L Pedalboard, and EXP-50.

SK1/SK2 Specifications

Sk1

Sound Generator
- Organ Section
  - 2 - VASE III as Digital Tone-wheels, Transistor Organ and Pipe Organ
  - 61 polyphony (for manual, except Pipe Organ)
  - 8 polyphony (for pedal, except Pipe Organ)
  - 63 polyphony (maximum, on Pipe Organ)
- Extra Voice Section
  - VASE III, 63 polyphony (maximum)

Keyboards
- C1 to C6 61-key (SK1)
- 2 x C1 to C6 61-key (SK2)

Harmonic Drawbars
- Drawbars : 9 Pitches, assignable for Upper, Pedal, Lower Voicing
- Manuals : 6 choices (B-Type1, B-Type2, Mellow, Vx, Farf, Pipe), variable key-click,
- Pedal : 4 choices (Normal, Muted, Synth1, Synth2), 5 choices key-click

Harmonic Drawbars
- Drawbars : 9 Pitches, assignable for Upper, Pedal, Lower Voicing
- Manuals : 6 choices (B-Type1, B-Type2, Mellow, Vx, Farf, Pipe), variable key-click,
- Pedal : 4 choices (Normal, Muted, Synth1, Synth2), 5 choices key-click

Touch Response Percussion
- Buttons : Second Harmonic, Third Harmonic, Fast Decay, Volume Soft
- Adjustable : Touch, Velocity, Decay (Fast, Slow), Level (Normal, Soft)

Extra Voice
- Instruments : 6 Groups (A. Piano, E. Piano, Keyboard, Wind, Other, Library) Upgradable via Library
- Control : Allocate Upper/Lower, Solo, Group Effects
- Vibrato and Chorus : Digital Scanner
  - Buttons : 1, 2, Chorus, Upper On, Lower On
- Overdrive : Digital, 4 programs
  - Control : On, Amount
- Multi Effects : 8 programs for Organ/Extra Voice individually
  - Control : On, Amount
- Equalizer : for Organ: Bass, Mid (sweep), Treble, Tone for Extra Voice: Bass, Mid (sweep), Treble
- Internal Leslie : Advanced Digital, 2 Rotors
  - Buttons : Bypass, Stop, Fast
- Reverb : Digital, 11 programs
  - Control : On, Depth
- Master Equalizer
  - Control: Bass, Mid Gain, Mid Frequency, Treble

Keymap
- Buttons : Manual Bass, Split (SK1 only), Lower to Pedal (SK2 only) Octave Up, Octave Down, Lower, Transpose
- Adjustable : Coupler Highest note, Split Point

Patches
- Capacity : 100 User Patches, 100 Preset Patches, Manual
- Favorites : 10 buttons
- Patch Load Options : Drawbar Registration, Drawbar Parameters, Extra Voice, Internal Zone, External Zone, Organ, Effects, Exv Effects, Reverb

Controllers
- Volumes : Master Volume, Music Volume, Extra Voice Volume
- Switch : Power On/Off

Music Player
- File Format : WAV (44.1kHz, 16bit, Stereo), MP3 (44.1kHz, 128kbps, Stereo)
- Control : Song, Play/Pause

Storage
- USB Flash Drive

Display
- 20 - Characters, 2 - Lines, 8 Control Buttons and Value knob

MIDI
- Templates : 9 Templates(SK1), 5 Templates(SK2)
- External Zones : 3 Zones, assignable any keyboards

Connections
- MIDI : In, Out
- Audio : Line Out L, R, Headphones
- Leslie : 8 - pin, 1 and 3 channels available
- Other : Foot Switch, Damper Pedal, Expression Pedal, DC IN (12V)

Accessory
- AC Adaptor AD3-1250

Dimensions
- SK1: 35 1/4"(W) x 12"(D) x 3 7/8"(H)
- SK2: 37 1/4"(W) x 17 7/8"(D) x 6 3/4"(H)

Weight
- SK1: 15 1/2 lbs
- SK2: 35 1/2 lbs

Sk2

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