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HAMMOND XK 4

HAMMOND XK-4 Portable Organ User Manual

MODEL: XK-4

1. Introduction

The HAMMOND XK-4 is a portable digital organ designed to meticulously reproduce the sound and feel of classic tonewheel organs. Featuring the advanced Modeled Tone Wheel 2 (MTW2) sound engine, the XK-4 offers a realistic and customizable organ experience. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your XK-4 instrument.



Image 1: Front view of the HAMMOND XK-4 Portable Organ, showcasing its keyboard, drawbars, and control panel.

2. Safety Instructions

Please read and understand these safety instructions before operating your HAMMOND XK-4. Retain this manual for future reference.

- **Power Supply:** Use only the specified power adapter. Ensure the voltage matches your local power supply.
- **Moisture:** Do not expose the instrument to rain, moisture, or excessive humidity. Avoid placing liquid containers near the organ.
- **Ventilation:** Ensure adequate ventilation around the instrument. Do not block ventilation openings.
- **Placement:** Place the instrument on a stable, level surface. Avoid direct sunlight, heat sources, or extreme temperatures.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Servicing:** Do not attempt to service the instrument yourself. Refer all servicing to qualified service personnel.

3. Setup

Follow these steps to set up your HAMMOND XK-4 Portable Organ.

1. **Unpacking:** Carefully remove the XK-4 from its packaging. Retain all packaging materials for potential future transport or storage.
2. **Placement:** Position the organ on a sturdy keyboard stand or flat surface. Ensure there is enough space for connections at the rear.
3. **Power Connection:** Connect the supplied AC adapter to the DC IN jack on the rear panel of the XK-4. Plug the other end into a suitable power outlet. *Do not power on yet.*
4. **Audio Output:** Connect the AUDIO OUT (L/MONO, R) jacks to your amplifier, mixer, or audio interface using appropriate audio cables. For mono operation, use the L/MONO jack.
5. **Headphones:** For private practice, connect headphones to the PHONES jack.
6. **Pedals (Optional):** If using expression pedals or footswitches, connect them to the appropriate PEDAL jacks (e.g., EXPRESSION, FOOT SWITCH).
7. **MIDI/USB (Optional):** Connect MIDI devices to the MIDI IN/OUT ports or a computer via the USB TO HOST port for MIDI communication.
8. **Power On:** Once all connections are secure, press the POWER switch to turn on the instrument.

4. Operating Instructions

This section covers the basic operation of your HAMMOND XK-4.

4.1 Basic Controls

- **Power Switch:** Located on the rear panel, turns the unit on/off.
- **Volume Knob:** Adjusts the overall output volume.
- **Display Screen:** Shows current settings, patch names, and menu options.
- **Navigation Buttons:** Used to navigate through menus and select options.
- **Drawbars:** Nine physical drawbars control the harmonic content of the organ sound. Push them in or pull them out to shape your tone.

4.2 Sound Selection

The XK-4 features various organ presets and sound categories.

- Use the **BANK** and **NUMBER** buttons to select different presets.
- The display will show the name of the currently selected sound.
- You can save your customized drawbar settings and effects as user presets. Refer to the full manual for detailed saving procedures.

4.3 Effects and Leslie Simulation

The XK-4 includes built-in effects and a realistic digital Leslie speaker simulation.

- **Leslie Speed:** Use the dedicated **LESLIE SLOW/FAST** button to switch between slow and fast rotor speeds.
- **Vibrato/Chorus:** Activate and select types of vibrato and chorus effects using the dedicated buttons.
- **Overdrive:** Adjust the overdrive amount for a grittier tone.

- **Reverb:** Control the reverb depth to add spatial ambience.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your HAMMOND XK-4.

- **Cleaning:** Regularly wipe the surface of the instrument with a soft, dry, lint-free cloth. For stubborn dirt, slightly dampen the cloth with water, then wipe dry immediately. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the XK-4 in a cool, dry place, away from direct sunlight and extreme temperature fluctuations. Consider using a dust cover.
- **Software Updates:** Periodically check the official HAMMOND website for firmware updates. Updates can provide new features, improvements, and bug fixes. Follow the instructions provided with the update files carefully.
- **Transportation:** When transporting the instrument, use appropriate protective cases to prevent damage.

6. Troubleshooting

If you encounter issues with your HAMMOND XK-4, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none"> • Volume knob is down. • Cables are not connected correctly. • External amplifier/mixer is off or muted. • Headphones are plugged in. 	<ul style="list-style-type: none"> • Increase the Volume knob. • Check all audio cable connections. • Ensure external audio equipment is powered on and unmuted. • Unplug headphones if using main outputs.
Instrument does not power on	<ul style="list-style-type: none"> • Power cable not connected. • Power outlet is not working. • Incorrect power adapter. 	<ul style="list-style-type: none"> • Ensure the AC adapter is securely connected to the instrument and power outlet. • Test the power outlet with another device. • Use only the HAMMOND-supplied power adapter.
Drawbars not affecting sound	<ul style="list-style-type: none"> • Currently selected sound is not a tonewheel organ preset. • Drawbar settings are overridden by a specific patch. 	<ul style="list-style-type: none"> • Select a tonewheel organ preset. • Ensure "Drawbar Live" mode is active if available, or adjust drawbars after selecting a patch.

If the problem persists after trying these solutions, please contact HAMMOND customer support or an authorized service center.

7. Specifications

Technical specifications for the HAMMOND XK-4 Portable Organ.

Feature	Detail
Model Name	XK-4
Sound Engine	Modeled Tone Wheel 2 (MTW2)

Feature	Detail
Keyboard	88 Keys
Drawbars	9 physical drawbars
Effects	Digital Leslie, Vibrato/Chorus, Overdrive, Reverb, Digital Effects
Connectivity	Audio Out (L/MONO, R), Headphones, MIDI In/Out, USB TO HOST, Expression Pedal, Foot Switch
Dimensions (L x W x H)	47.4 x 15.4 x 6.9 inches
Weight	27 pounds
Power Supply	AC Adapter (specified by manufacturer)

Note: The provided product specifications list "Number of Keys: 88". However, the product image and typical "portable organ" classification suggest a standard organ keyboard (e.g., 61 or 73 keys). Please refer to the official HAMMOND XK-4 product page or full manual for definitive key count.

8. Warranty and Support

HAMMOND products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official HAMMOND website.

For technical support, service inquiries, or to locate an authorized service center, please contact HAMMOND customer support through their official website or the contact information provided in your product documentation.

- **Official Website:** www.hammondorganco.com
- **Product Registration:** Register your product online to receive updates and support.