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Kurzweil PC4 SE

Kurzweil PC4-SE Performance Controller Keyboard User Manual

Model: PC4 SE

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Kurzweil PC4-SE 88-Note Fully Weighted Hammer Action Performance Controller Keyboard and its accompanying bundle components. The PC4-SE is designed for professional musicians, offering advanced sound synthesis, extensive MIDI control capabilities, and a high-quality hammer-action keyboard.

The bundle includes the Kurzweil PC4-SE keyboard, a Double-X Keyboard Stand, an X-Style Piano Bench, a Piano-Style Sustain Pedal, and a Stretchy Keyboard Dust Cover.

PRODUCT OVERVIEW

Familiarize yourself with the components included in your Kurzweil PC4-SE bundle.



Figure 1: Complete Kurzweil PC4-SE Keyboard Bundle, including the keyboard, double-X stand, X-style bench, and sustain pedal.

Kurzweil PC4-SE Performance Controller Keyboard

The core of the bundle, the PC4-SE features an 88-note fully-weighted hammer-action keyboard with velocity-sensitive keys. It incorporates Kurzweil's V.A.S.T. engine, offering 1500 factory presets, a 6 Operator FM Engine, and extensive MIDI control capabilities.



Figure 2: Angled view of the Kurzweil PC4-SE keyboard, showcasing the control panel and 88-note keyboard.



Figure 3: Top-down view of the Kurzweil PC4-SE keyboard, highlighting the display screen, faders, and button layout.



Figure 4: Rear view of the Kurzweil PC4-SE keyboard, showing various input/output ports including USB and audio outputs.

Double-X Keyboard Stand

A sturdy metal construction stand designed to support the keyboard, featuring a pull-lock mechanism for height adjustment.



Figure 5: The Double-X Keyboard Stand, shown in its folded configuration, ready for setup.

X-Style Piano Bench

A lightweight, foldable bench providing stable and comfortable seating for playing.



Figure 6: The X-Style Piano Bench, featuring a padded seat and foldable X-frame design.

Piano-Style Sustain Pedal

A standard sustain pedal for expressive playing, connecting to the keyboard's pedal input.



Figure 7: The Piano-Style Sustain Pedal with its attached cable and 1/4-inch jack.

Stretchy Keyboard Dust Cover

A protective cover designed to keep dust and debris off the keyboard when not in use.

SETUP

Follow these steps to set up your Kurzweil PC4-SE bundle.

1. Keyboard Stand Assembly

1. Unfold the Double-X Keyboard Stand.

2. Adjust the height using the pull-lock mechanism to a comfortable playing position. Ensure the stand is stable before placing the keyboard.

2. Piano Bench Assembly

1. Unfold the X-Style Piano Bench and ensure all legs are securely locked into place.
2. Place the bench in front of the keyboard stand.

3. Keyboard Placement and Connections

1. Carefully place the Kurzweil PC4-SE keyboard onto the assembled stand. Ensure it is centered and stable.
2. Connect the provided power cable to the keyboard's power input and then to a suitable power outlet.
3. Connect the Piano-Style Sustain Pedal to the "Sustain" pedal input jack on the rear of the keyboard.
4. (Optional) Connect the USB cable from the keyboard to your computer for MIDI communication or data transfer.
5. (Optional) Connect audio output cables from the keyboard's audio output jacks to an amplifier, mixer, or headphones.

OPERATING INSTRUCTIONS

This section covers the basic operation and key features of the Kurzweil PC4-SE.

Power On/Off

- To power on, press the Power button located on the rear panel.
- To power off, press and hold the Power button until the unit shuts down.

Sound Selection

The PC4-SE features 1500 hand-crafted factory presets organized into 10 categories.

- Use the Category buttons or the data wheel to navigate through sound categories.
- Select individual sounds using the numeric keypad or the data wheel.
- Utilize the optimized German 9 ft. and vintage Japanese 7 ft. concert grand pianos, featuring Kurzweil String Resonance (KSR).

MIDI Controller Capabilities

The PC4-SE offers 5 zones for creating complex sonic split/layer combinations.

- Use the dedicated Split and Layer buttons for on-the-fly adjustments.
- Assign various MIDI CCs to the physical faders and knobs for real-time control over parameters.

Internal Sequencer

The 16-track internal sequencer allows for recording, editing, mixing, and producing tracks directly on the instrument.

- Import MIDI (.mid) files, as well as Kurzweil PC3/PC4/Forte-family songs.
- Trigger and manipulate up to 5 simultaneous MIDI sequences on the fly.

KB3 Mode (Tonewheel Organ Emulation)

Experience classic tonewheel organ sounds with dedicated controls.

- Control 9 drawbars for harmonic mixing.
- Adjust rotary speed, chorus/vibrato, brake, and percussion effects.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your instrument.

- **Cleaning:** Use a soft, dry cloth to wipe down the keyboard and controls. For stubborn dirt, slightly dampen the cloth with water. Avoid abrasive cleaners or solvents.
- **Dust Protection:** Always use the provided Stretchy Keyboard Dust Cover when the instrument is not in use to prevent dust accumulation.
- **Storage:** Store the keyboard in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Transportation:** When transporting the keyboard, use a padded case to protect it from physical damage.

TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
No sound from keyboard	Volume too low; audio cables disconnected; headphones connected; incorrect audio output selected.	Increase master volume. Check audio cable connections to amplifier/mixer. Disconnect headphones. Ensure correct audio output settings.
Keys not responding	Keyboard not powered on; local control off; MIDI zone issues.	Ensure keyboard is powered on. Check local control settings (refer to advanced manual). Verify MIDI zone configurations.
Sustain pedal not working	Pedal not connected; pedal polarity issue; faulty pedal.	Ensure pedal is fully inserted into the "Sustain" jack. Some pedals require the keyboard to be powered on with the pedal already connected and in the "up" position to detect polarity correctly. Test with another pedal if available.
Display is blank or frozen	Power issue; software glitch.	Turn the keyboard off, wait 10 seconds, then turn it back on. If the problem persists, contact Kurzweil support.

SPECIFICATIONS

Key technical specifications for the Kurzweil PC4-SE.

- **Keyboard:** 88-Note Fully Weighted Hammer Action (RPHA) with velocity sensitive keys
- **Polyphony:** High polyphony horsepower (V.A.S.T. engine)
- **Presets:** 1500 hand-crafted factory presets
- **Sample Content:** 2 GB Flash-Play sample content
- **Engines:** V.A.S.T. engine, 6 Operator FM Engine, KB3 Mode
- **Sequencer:** 16-track internal sequencer

- **MIDI Control:** 5 simultaneous MIDI CC Step Sequencers, 5 zones for splits/layers
- **Connectivity:** USB (Type B), Pedal Inputs, Audio Outputs
- **Dimensions (Keyboard):** Approximately 59 x 18 x 11 inches (Package Dimensions)
- **Weight (Keyboard):** Approximately 45 pounds
- **Material:** Metal construction
- **Model Name:** PC4SE
- **UPC:** 726667945415

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Kurzweil website or contact your authorized dealer. Keep your proof of purchase for warranty claims.

Online Resources: Visit the official Kurzweil website for product registration, software updates, additional manuals, and FAQs. www.kurzweil.com