

## Kurzweil AMS-SP1-LB

# Kurzweil SP1 88-Key Stage Piano User Manual

Model: AMS-SP1-LB

## INTRODUCTION

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Welcome to the Kurzweil SP1 88-Key Stage Piano. This manual provides essential information for setting up, operating, and maintaining your instrument. The SP1 is designed for musicians seeking a high-quality, portable stage piano with a focus on essential sounds and intuitive controls.

## PACKAGE CONTENTS

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Please verify that all items are present in your package:

- Kurzweil SP1 88-Key Stage Piano
- Power Adapter
- Sustain Pedal
- User Manual (this document)

## PRODUCT OVERVIEW

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The Kurzweil SP1 features a streamlined design with an intuitive control panel and a fully-weighted hammer-action keyboard.

### Front Panel Controls



Figure 1: Top-down view of the Kurzweil SP1 Stage Piano, showing the 88-key keyboard and the central control panel.

The main control panel is centrally located above the keyboard, providing access to sound categories, effects, and functions.



Figure 2: Detailed view of the SP1 control panel, highlighting the sound category sections (Piano, Keyboards, Strings/Pads, Other), EQ, FX, and Function buttons.

- **Sound Categories:** Dedicated sections for Piano, Keyboards (EP1, EP2, Clav, Organ), Strings/Pads (Strings 1, Strings 2, Pad 1, Pad 2), and Other (Brass, Winds, Bass 1, Bass 2). Each category has volume controls and sound selection buttons.
- **EQ Section:** 3-Band Master EQ with Bass, Mid, and Treble controls.
- **FX Section:** Individually adjustable effects including Reverb, Chorus, Tremolo, Delay, and Repeat.
- **Functions:** Buttons for Split, Layer, Dual, Save, and Local Dest.
- **External Control:** Section with Channel, Program, Volume, and Bank buttons for controlling external MIDI instruments/software.
- **Favorites:** Five dedicated buttons for saving and recalling custom settings.
- **Pitch/Modulation Wheels:** Located on the left side for expressive control.
- **Transpose Buttons:** Located near the pitch/mod wheels for quick key changes.

## Rear Panel Connections



Figure 3: Rear panel of the Kurzweil SP1, displaying various input and output jacks, including USB, MIDI, audio in/out, and pedal inputs.

The rear panel provides all necessary connections for power, audio, MIDI, and pedals.

- **DC IN:** Power adapter input.
- **USB:** USB-A and USB-B ports for computer connection and USB drive.
- **MIDI IN/OUT:** Standard MIDI connectors for external MIDI devices.
- **AUDIO IN (Left/Mono, Right):** 1/4" audio jacks for connecting external audio sources like an MP3 player.
- **AUDIO OUT (Left/Mono, Right):** 1/4" audio jacks for connecting to an amplifier, mixer, or audio interface.
- **Headphones:** 6.35mm jack for private practice.
- **Pedal Inputs:** SW1 (Sustain) and CC (Volume) pedal inputs.

## SETUP

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1. **Placement:** Place the SP1 on a stable, flat surface or a keyboard stand. Ensure adequate ventilation around the instrument.
2. **Power Connection:** Connect the included power adapter to the DC IN jack on the rear panel of the SP1, then plug the adapter into a suitable AC power outlet.
3. **Sustain Pedal:** Connect the sustain pedal (if included or purchased separately) to the SW1 (Sustain) jack on the rear panel.
4. **Audio Output:**
  - For connecting to an amplifier or mixer: Use 1/4" cables to connect the AUDIO OUT (Left/Mono, Right) jacks to your audio system.
  - For headphones: Plug your headphones into the 6.35mm Headphones jack.
5. **External Audio Input (Optional):** To play along with an external audio device (e.g., MP3 player), connect it to the AUDIO IN (Left/Mono, Right) jacks using appropriate cables.
6. **MIDI/USB Connection (Optional):** For connecting to a computer or other MIDI devices, use the USB or MIDI IN/OUT ports.

# OPERATING INSTRUCTIONS

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## Power On/Off

To power on the SP1, press the power button located on the rear panel. To power off, press the power button again.

## Adjusting Master Volume

Use the **Master Volume** knob, located on the left side of the control panel, to adjust the overall output level of the instrument.

## Selecting Sounds

The SP1 organizes its 16 presets into four main categories: Piano, Keyboards, Strings/Pads, and Other.

1. Locate the desired sound category section on the control panel.
2. Press the corresponding button (e.g., **1** for German D Artis Grand Piano, **EP1** for Electric Piano 1) to select a sound. The selected button will illuminate.
3. Adjust the **Volume** knob within that category to balance the sound level.

## Using Effects (FX)

The SP1 includes four individually adjustable effects.

1. In the **FX** section, press the button for the desired effect (e.g., **REVERB**, **CHORUS**). The button will illuminate when active.
2. Use the **Value** knob to adjust the intensity or parameter of the selected effect.
3. For Delay and Repeat, additional **Time** knobs are available for fine-tuning.

## Adjusting Equalization (EQ)

The 3-Band Master EQ allows you to shape the overall tone.

1. In the **EQ** section, turn the **Bass**, **Mid**, and **Treble** knobs to boost or cut frequencies.
2. The **Gain** knob adjusts the overall output level after EQ.

## Saving and Recalling Favorites

The SP1 allows you to save up to five custom setups (combinations of sounds, effects, and EQ settings) as Favorites.



Figure 4: Detail of the Favorites buttons (1-5) and the External Control section.

1. Configure your desired sound, effects, and EQ settings.
2. Press the **SAVE** button in the **FUNCTIONS** section.
3. While the **SAVE** button is flashing, press one of the five **Favorites** buttons (1-5) to store your settings.
4. To recall a saved Favorite, simply press the corresponding **Favorites** button.

## Split, Layer, and Dual Modes

These functions allow for combining or dividing sounds across the keyboard.



Figure 5: The Functions section, including Split, Layer, and Dual buttons.

- **Split:** Divides the keyboard into two sections, allowing different sounds to be played on each. Press the **SPLIT** button to activate.
- **Layer:** Stacks two sounds together to be played simultaneously across the entire keyboard. Press the **LAYER** button to activate.
- **Dual:** Similar to Layer, but often implies a specific combination or a more complex layering setup. Press the **DUAL** button to activate.

Refer to the full Kurzweil SP1 manual for detailed instructions on configuring Split, Layer, and Dual modes, including setting split points and selecting sounds for each part.

## Transpose

The transpose function allows you to shift the pitch of the entire keyboard up or down in semitone steps.



Figure 6: Pitch bend and modulation wheels, along with the transpose buttons (+ and -).

Use the +/- buttons located near the pitch/mod wheels to transpose the keyboard.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the instrument. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid abrasive cleaners, solvents, or waxes.
- **Keyboard Care:** Keep the keys clean. If they become dirty, wipe them gently with a soft, damp cloth.
- **Storage:** When not in use for extended periods, store the SP1 in a dry, dust-free environment, away from direct sunlight and extreme temperatures.
- **Transportation:** When transporting the instrument, use a padded case to protect it from physical damage.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound	<ul style="list-style-type: none"> <li>Master volume is too low.</li> <li>Headphones are plugged in.</li> <li>Audio cables are incorrectly connected or faulty.</li> <li>Speaker/amplifier is off or volume is low.</li> </ul>	<ul style="list-style-type: none"> <li>Increase the Master Volume knob.</li> <li>Unplug headphones if using external speakers.</li> <li>Check all audio cable connections and try different cables.</li> <li>Ensure external audio equipment is powered on and volume is up.</li> </ul>
Keys are not responding	<ul style="list-style-type: none"> <li>Local control is off (if using MIDI).</li> <li>Instrument is in an unexpected mode.</li> </ul>	<ul style="list-style-type: none"> <li>Check the Local Dest setting in the Functions section.</li> <li>Power cycle the instrument.</li> </ul>
Distorted sound	<ul style="list-style-type: none"> <li>Master volume or individual sound volume is too high.</li> <li>External amplifier/mixer input gain is too high.</li> </ul>	<ul style="list-style-type: none"> <li>Reduce the Master Volume and individual sound volumes.</li> <li>Adjust input gain on connected audio equipment.</li> </ul>

If you encounter issues not covered here, please consult the Kurzweil support website or contact customer service.

## SPECIFICATIONS

Feature	Detail
Model Name	SP1
Item Model Number	AMS-SP1-LB
Number of Keys	88
Keyboard Type	Fully-weighted hammer-action
Sounds	16 programs (Piano, EP, Strings, Pads, Woodwinds, Basses)
Polyphony	256 voices
Effects	Reverb, Chorus, Tremolo, Delay, Repeat
Equalizer	3-Band Master EQ
Connectivity	1/4" audio jacks (In/Out), USB-A, USB-B, MIDI In/Out, 6.35mm Headphones Jack, Pedal Inputs (Sustain, CC)
Power Source	USB (via power adapter)

Feature	Detail
Dimensions (L x W x H)	52.5 x 15 x 5.75 inches
Item Weight	6.6 pounds (approx. 3 kg)
Color	Black
UPC	883793413512

## WARRANTY AND SUPPORT

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

## Related Documents

	<p><a href="#">Kurzweil SP7 Digital Piano Getting Started Guide</a></p> <p>A comprehensive guide to the Kurzweil SP7 digital piano, covering setup, features, modes, and connectivity.</p>
	<p><a href="#">Kurzweil Ka S1 User's Manual: Features, Operation, and Specifications</a></p> <p>Comprehensive user manual for the Kurzweil Ka S1 digital piano, covering setup, control panel overview, detailed features like chorus, reverb, transpose, split, duo modes, recording, metronome, tuning, EQ, and specifications. Includes safety instructions and contact information.</p>
	<p><a href="#">Kurzweil SP4 Series Musician's Guide: SP4-7, SP4-8, SP76-II</a></p> <p>Comprehensive musician's guide for the Kurzweil SP4-7, SP4-8, and SP76-II digital keyboards, covering features, operation, setup, MIDI, and troubleshooting.</p>
	<p><a href="#">Kurzweil M130 Digital Piano User Manual</a></p> <p>This user manual provides comprehensive instructions for the Kurzweil M130 digital piano, covering safety precautions, features, assembly, operations, troubleshooting, and specifications.</p>

