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## Roland S-1

# Roland Tweak Synth (S-1) Instruction Manual

Model: S-1

## 1. Introduction

The Roland S-1 Tweak Synth is a potent micro polysynth inspired by the legendary Roland SH-101. It offers snappy basses, expressive leads, futuristic wave manipulation, onboard sequencing, and unique performance features designed for modern creators. With its inspiring hands-on controls and intuitive workflow, the powerful S-1 delivers a fun and satisfying experience for beginners and serious synth adventurers alike.

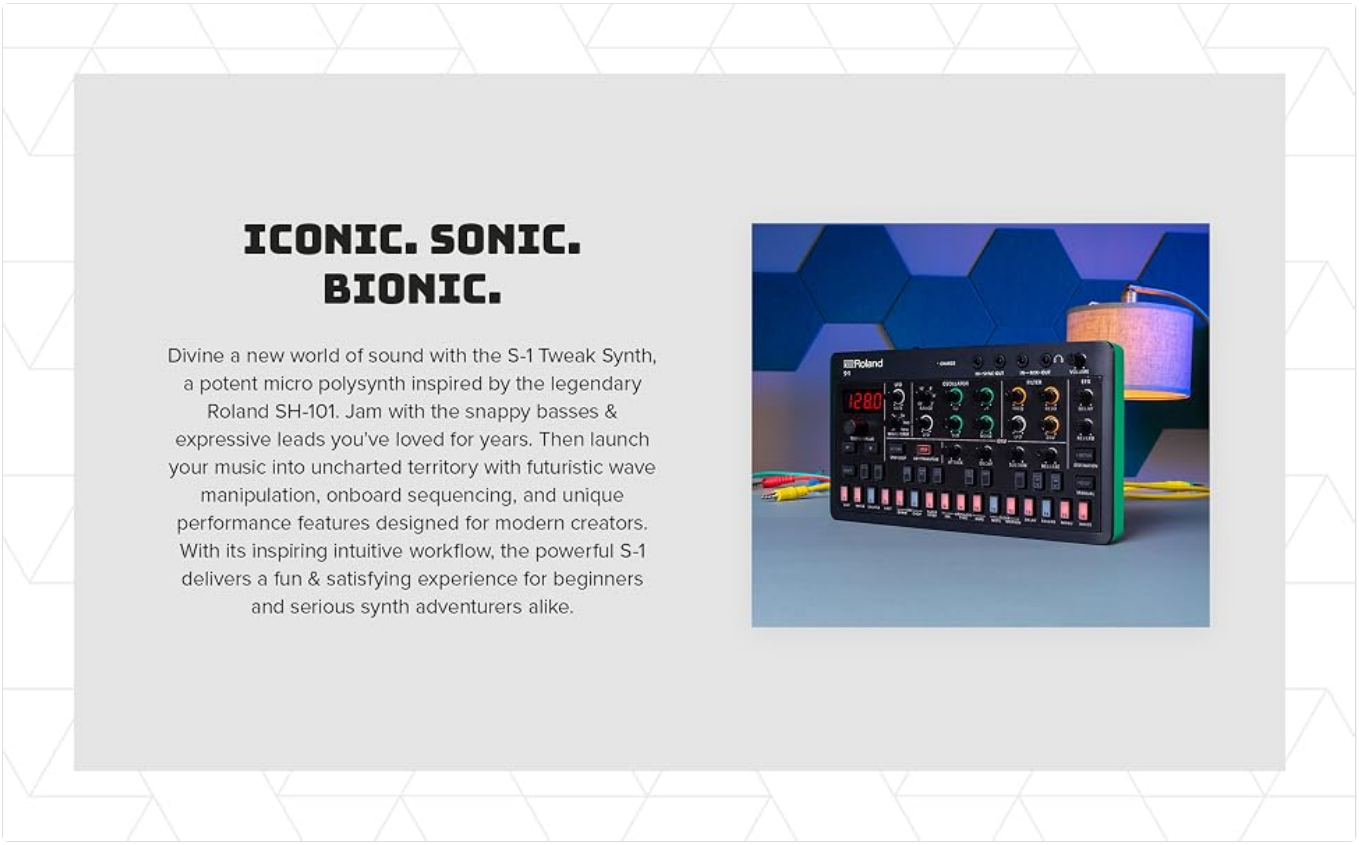


Figure 1.1: The Roland S-1 Tweak Synth, showcasing its compact and iconic design.

## 2. Setup

Before using your Roland S-1 Tweak Synth, please follow these setup instructions to ensure proper functionality and optimal performance.

## 2.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed below are present and that there is no visible damage to the unit.

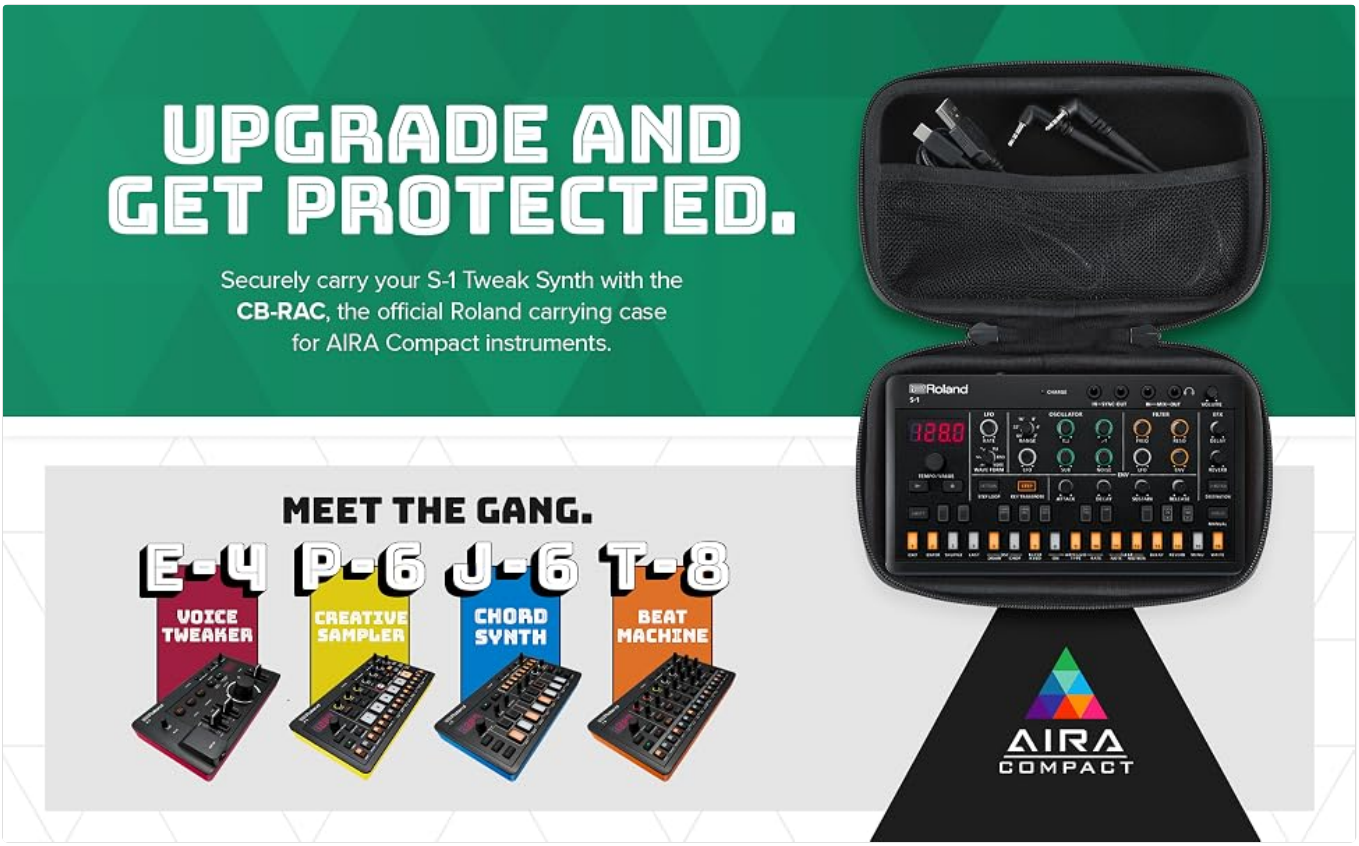


Figure 2.1: Contents of the S-1 Tweak Synth package, including the device and its USB cable.

## 2.2 What's Included

- S-1 Tweak Synth Unit
- USB Type-C to USB Type-A Cable

## 2.3 Powering On

The S-1 Tweak Synth is powered via its USB-C port. Connect the provided USB Type-C to USB Type-A cable to the S-1 and then to a compatible USB power adapter (not included) or a computer's USB port. The unit will power on automatically.

## 2.4 Connectivity

The S-1 offers versatile connectivity options for integration into your musical setup.

- **USB-C:** For power, MIDI, and audio interface functionality. No drivers are needed for class-compliant operation.
- **IN/SYNC-OUT:** Connect to other AIRA Compact instruments for synchronized performance.
- **IN/MIX-OUT:** Audio output for connecting to speakers, headphones, or other audio equipment.

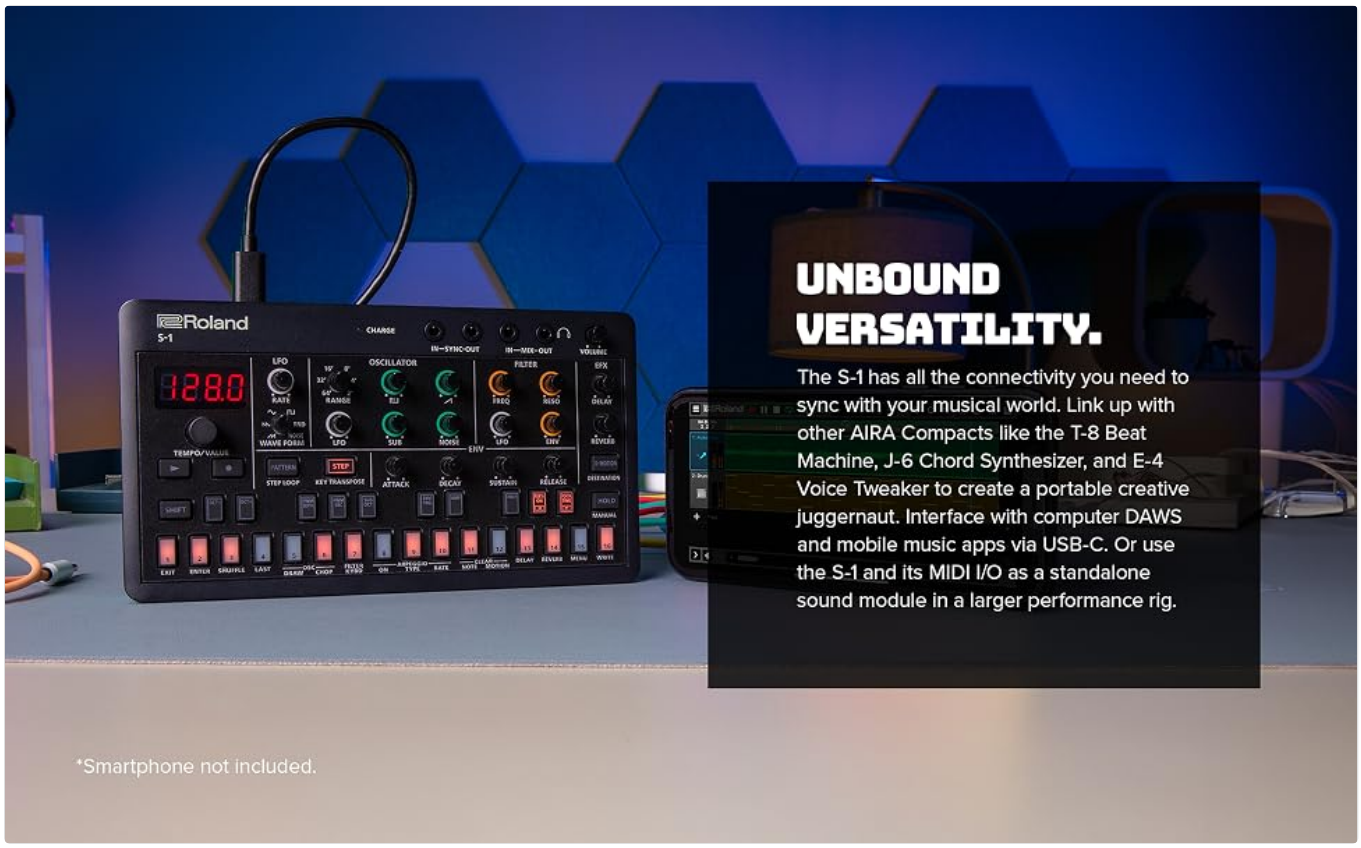


Figure 2.2: Overview of the S-1's connectivity options for seamless integration.

## 3. Operating Instructions

The S-1 Tweak Synth features an intuitive layout with hands-on controls for instant sound shaping and live performance tweaks. Explore its powerful synthesis capabilities and performance features.

### 3.1 Basic Controls and Sound Generation

The S-1 is built around authentic SH-101 sound driven by Roland's evolving Analog Circuit Behavior (ACB) technology. It features Square, Sawtooth, Sub, and Noise oscillators.

- **Oscillator Section:** Adjust waveform, range, and LFO settings to sculpt your base sound.
- **Filter Section:** Control cutoff, resonance, and envelope modulation for dynamic tonal changes.
- **Envelope Section:** Shape the amplitude with Attack, Decay, Sustain, and Release parameters.




Figure 3.1: Key sound generation and modulation sections of the S-1.

### 3.2 Advanced Sound Shaping

- **Oscillator Drawing:** Craft all-new tones with powerful oscillator drawing tools.
- **Oscillator Chop:** Utilize oscillator chop and riser tools for unique sound design.
- **Polyphony:** Enjoy four-voice polyphony with Mono, Poly, Unison, and Chord modes.

### 3.3 Sequencing and Performance

- **64-Step Sequencer:** Create and store sequences with 64 patterns for on-the-spot song creation.
- **D-Motion:** Control pitch, modulation, and other parameters by physically moving the S-1 unit.
- **Onboard Effects:** Enhance your sonic palette with classic Roland effects, including delay, reverb, and chorus.

## 4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Roland S-1 Tweak Synth.

### 4.1 Cleaning

To clean the unit, use a soft, dry cloth. For stubborn dirt, lightly dampen the cloth with water and wipe gently. Avoid using abrasive cleaners, solvents, or waxes, as these can damage the surface.

### 4.2 Storage

When not in use for extended periods, store the S-1 in a cool, dry place away from direct sunlight and extreme temperatures. Consider using a protective case to prevent dust accumulation and physical damage.

## 5. Troubleshooting

This section provides solutions to common issues you might encounter with your Roland S-1 Tweak Synth.

### 5.1 No Power

- Ensure the USB-C cable is securely connected to both the S-1 and the power source.
- Verify that the USB power adapter or computer USB port is functioning correctly. Try a different power source if available.

### 5.2 No Sound Output

- Check the volume knob on the S-1 and ensure it is turned up.
- Verify that your headphones or speakers are properly connected to the IN/MIX-OUT port and are functioning.
- Ensure the S-1 is not muted or in a mode that prevents sound output.

### 5.3 MIDI/USB Connectivity Issues

- Confirm that the USB-C cable is a data-transferring cable, not just a charging cable.
- Restart your computer and the S-1.
- Check your Digital Audio Workstation (DAW) or software settings to ensure the S-1 is recognized as a MIDI and audio device.

## 6. Specifications

| Feature | Detail |
| --- | --- |
| Model Name | S-1 |
| Brand | Roland |
| Item Weight | 1 Pounds (0.45 kg) |
| Product Dimensions (L x W x H) | 10.25 x 6.6 x 3.5 inches (26.04 x 16.76 x 8.89 cm) |
| Body Material | Aluminum |
| Connector Type | USB Type-C |
| Included Components | Onboard keyboard with two-plus octave range |
| UPC | 761294519691 |
| Color | Black |
| First Available Date | April 5, 2023 |

## 7. Warranty and Support

For detailed warranty information and technical support, please refer to the official Roland website or the user manual provided with your product.

- **Official User Manual (PDF):** Download Here
- **Roland Store on Amazon:** Visit the Roland Store

For further assistance, please contact Roland customer support.

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