

MOOG Subsequent 37

MOOG Subsequent 37 Paraphonic Analog Synthesizer User Manual

Model: Subsequent 37 (LPS-SUB-006-06)

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1. INTRODUCTION

The MOOG Subsequent 37 is a two-note paraphonic analog synthesizer, an evolution of the Sub 37 Tribute Edition. This instrument provides a comprehensive array of analog sound-design tools and sequencing options through its control panel, which features 40 knobs and 74 switches. The Subsequent 37 incorporates user-requested sonic and functional enhancements, preserving the original character while introducing new sound dimensions and improved playability. Key improvements include an enhanced mixer section for cleaner tones, reshaped gain-staging in the Ladder filter for richer low-end, and a re-tuned Multidrive circuit for extended harmonic saturation. Every knob and switch on the synthesizer transmits and receives MIDI data, enabling full automation and making it a powerful MIDI controller. Additionally, it features an upgraded keybed, a high-output headphone amplifier, and a dedicated software plugin/editor for PC/Mac.



Front view of the MOOG Subsequent 37 Paraphonic Analog Synthesizer, showcasing its 37 semi-weighted keys and extensive control panel.

2. SETUP

2.1 Unboxing and Initial Inspection

Carefully remove the Subsequent 37 from its packaging. Verify that all included components are present:

- MOOG Subsequent 37 Analog Synthesizer
- Power Card
- Owner's Manual (this document)
- Registration Card

Inspect the synthesizer for any signs of damage during transit. If any damage is found, contact your retailer immediately.

2.2 Connecting Power

1. Ensure the synthesizer's power switch is in the OFF position.
2. Connect the provided power card to the power input on the rear panel of the Subsequent 37.
3. Plug the other end of the power card into a suitable electrical outlet.

2.3 Audio Connections

The Subsequent 37 offers various audio output options:

- **1/4" TS Audio Out:** Connect to your mixer, audio interface, or amplifier using a standard 1/4" TS cable.
- **1/4" TRS Headphones Out:** For private monitoring, connect your headphones to this output. The built-in high-powered headphone amplifier is designed to drive demanding headphones.

For external audio processing, use the **1/4" TS Audio In** to route external signals through the synthesizer's filter and other effects.

2.4 MIDI and CV/Gate Connections

The Subsequent 37 supports both MIDI and Control Voltage (CV)/Gate for integration with other equipment:

- **MIDI In/Out/USB:** Use standard 5-pin MIDI cables for MIDI In and Out, or connect a USB cable to your computer for MIDI over USB. This allows the synthesizer to function as a MIDI controller and receive MIDI data for automation.
- **CV/GATE Inputs:** Dedicated inputs for Filter CV, Pitch CV, Volume CV, and KB Gate allow for extensive modular integration and control from external CV sources.



Rear panel connections of the Subsequent 37, including power, audio, MIDI, and CV/Gate ports.

2.5 Software Editor Installation

The Subsequent 37 includes a software plugin/editor for PC/Mac. This editor allows for detailed preset management and parameter editing. Refer to the included registration card or the MOOG website for instructions on downloading and installing the software.

3. OPERATING INSTRUCTIONS

The Subsequent 37's control panel is designed for intuitive sound design, featuring 40 knobs and 74 switches. This section outlines the primary operational aspects.

3.1 Keybed and Playability

The synthesizer features a 37-note semi-weighted keybed with velocity and aftertouch. This provides expressive control over your sound. The instrument is paraphonic, allowing for two-note playing in duo mode, where two notes share the same filter and amplifier envelope.

PERFORM COMFORTABLY

37-NOTE SEMI-WEIGHTED KEYBOARD
WITH AFTERPRESSURE



The 37-note semi-weighted keyboard of the Subsequent 37, designed for comfortable and expressive performance.

3.2 Sound Sources

The Subsequent 37 offers a rich array of sound sources:

- **Two Variable Waveshape Oscillators:** These are the primary sound generators, offering a range of waveforms.
- **One Square Wave Sub Oscillator:** Adds depth and richness, typically an octave below the main oscillators.
- **One Analog Noise Generator:** Provides white noise for percussive sounds or texture.
- **External Input/Filter Feedback:** Allows external audio to be processed or internal signals to be fed back into the filter for unique effects.

3.3 Mixer and Filter Section

The mixer section provides enhanced headroom, allowing for a wider range of clean tones in both mono and duo modes. The Ladder filter's gain-staging has been re-engineered to boost harmonic saturation and analog compression, contributing to a richer low-end response. The re-tuned Multidrive circuit offers extended grit and growl, expanding the sonic palette beyond the original Sub 37.



EXPERIENCE MOOG'S TRANSFORMATIVE MULTIDRIVE CIRCUIT

ADDING GRIT AND GROWL TO YOUR SOUND

Detail of the Multidrive circuit, which adds harmonic saturation and analog compression to the sound.

3.4 Modulation Capabilities

Two dedicated modulation busses, each with its own LFO (Low-Frequency Oscillator) and programmable routing, provide extensive possibilities for dynamic sound shaping. These can be assigned to various parameters to create evolving textures and expressive movements.

3.5 Presets and Sequencing

The Subsequent 37 comes with 256 presets, offering a wide range of sounds to get started. The instrument also includes onboard sequencing options for creating patterns and melodies.

AN ULTRA POWERFUL ARPEGGIATOR/SEQUENCER



FOR UNIQUE SOUND CREATIONS

Controls for the arpeggiator and sequencer, enabling unique sound creations and rhythmic patterns.

3.6 MIDI Controller Functionality

Every knob and switch on the Subsequent 37 sends and receives MIDI data. This allows for seamless integration into a digital audio workstation (DAW) environment, enabling full automation of parameters and use as a versatile MIDI controller for other software or hardware instruments.

3.7 Product Demonstration Video

An official product video demonstrating the features and sound capabilities of the Moog Subsequent 37 Analog Synthesizer.

4. MAINTENANCE

4.1 Cleaning

To maintain the appearance and functionality of your Subsequent 37, follow these cleaning guidelines:

- Use a soft, dry, lint-free cloth to wipe down the exterior surfaces.
- For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals, solvents, or

abrasive cleaners, as these can damage the finish and electronic components.

- Regularly dust the keys, knobs, and switches to prevent accumulation that could affect performance.

4.2 Storage and Environment

Proper storage and environmental conditions are crucial for the longevity of your synthesizer:

- Store the instrument in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- Avoid placing heavy objects on top of the synthesizer.
- If transporting the unit, use a protective case to prevent physical damage.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Subsequent 37.

5.1 No Sound Output

- **Check Power:** Ensure the synthesizer is powered on and the power cable is securely connected.
- **Audio Connections:** Verify that audio cables are correctly connected to the output jacks and to your amplifier/mixer.
- **Volume Levels:** Confirm that the master volume and individual oscillator/mixer levels are turned up.
- **Headphones:** If using headphones, ensure they are plugged in correctly and the headphone volume is adjusted.
- **Filter/Envelope Settings:** Check that the filter cutoff is open and the amplifier envelope has sufficient sustain and release.

5.2 MIDI Communication Issues

- **Cable Connection:** Ensure MIDI cables are connected correctly (MIDI Out to MIDI In, and vice-versa) or that the USB cable is secure.
- **MIDI Channels:** Verify that the synthesizer and your external MIDI device/DAW are set to communicate on the same MIDI channel.
- **Driver Installation:** For USB MIDI, ensure the necessary drivers (if any) are installed on your computer.

5.3 Unexpected Sound Behavior

- **Reset Presets:** Try loading a different preset or initializing a patch to a default state.
- **Modulation Settings:** Check modulation routings and amounts, as these can significantly alter sound.
- **Multidrive/Filter:** Ensure the Multidrive and filter settings are not excessively high, which can lead to distortion or unexpected tones.

If you continue to experience issues, consult the full owner's manual (PDF) or contact MOOG support.

6. SPECIFICATIONS

Feature	Detail
Brand	MOOG
Model Name	Subsequent 37

Feature	Detail
Model Number	LPS-SUB-006-06
Color	Black
Material	Alloy Steel, Aluminum, Wood (Bass Wood)
Item Dimensions (L x W x H)	14.76 x 26.77 x 6.69 inches
Item Weight	10 Kilograms
Keybed	37 Semi-Weighted Keys with Velocity and Aftertouch
Polyphony	2-note Paraphonic
Presets	256
Control Panel	40 Knobs, 74 Switches
Sound Sources	2 Variable Waveshape Oscillators, 1 Square Wave Sub Oscillator, 1 Analog Noise Generator, 1 External Input/Filter Feedback
Modulation	2 Modulation Busses (LFO, programmable routing)
Connectivity	MIDI In/Out/USB, 1/4" TS Audio In/Out, 1/4" TRS Headphones Out, Filter CV, Pitch CV, Volume CV, KB Gate
Included Components	Synthesizer, Power Card, Owner's Manual, Registration Card
Manufacturer	inMusic Brands Inc.
UPC	615435500553, 040232613487

7. WARRANTY & SUPPORT

7.1 Warranty Information

The MOOG Subsequent 37 is covered by a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the registration card included with your product or visit the official MOOG website.

7.2 Customer Support

For further assistance, technical support, or service inquiries, please refer to the following resources:

- **Official MOOG Website:** Visit the official MOOG website for the latest documentation, FAQs, software updates, and support contact information.
- **Included Owner's Manual (PDF):** A more detailed PDF version of the owner's manual is available for download or may have been included with your purchase.
- **Authorized Service Centers:** Information on authorized service centers can be found on the MOOG website.

