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Behringer 0718-AAM

Behringer Solina String Ensemble Analog Synthesizer Module User Manual

MODEL: 0718-AAM

Brand: Behringer

INTRODUCTION

The Behringer Solina String Ensemble is an all-analog synthesizer module designed to faithfully recreate the classic string sounds of the 1970s. This module offers a rich sonic array with six instrument presets, a multi-stage bucket brigade device ensemble chorus, and a Small Stone-style phase shifter. Its flexible design includes expanded I/O for versatile integration into various setups, including Eurorack systems. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Solina String Ensemble module.



Image: Front panel of the Behringer Solina String Ensemble Analog Synthesizer Module, showing all controls and connections. From left to right, top row: MIDI In, Trig Out, Gate Out, Mod In, Mod Out, Phaser In, Phaser Out, VCA CV In, Audio Out/Phones. Middle row: Tune knob, red buttons for Contrabass, Cello, Viola, Violin, Trumpet, Horn, Modulation, Phaser, Color switch, Rate knob, Power indicator. Bottom row: Sliders for Volume Bass, Crescendo, Sustain Length, and Volume.

SETUP

Before operating your Solina String Ensemble, ensure proper connections are made. The module is designed for desktop use or integration into a Eurorack system.

Power Connection

- Connect the included DC power supply to the "DC IN" port on the rear of the module.
- Plug the power supply into a suitable electrical outlet. The "POWER" indicator on the front panel will illuminate when power is supplied.

Audio Connections

- **Audio Out/Phones:** Connect headphones or an audio cable from this 3.5mm jack to your mixer, audio interface, or amplifier for sound output.

MIDI Connections

- **MIDI In:** Use a standard 5-pin MIDI cable to connect your MIDI controller or sequencer to this port for note and control data input.
- **MIDI Thru:** This port passes through the incoming MIDI data, allowing you to daisy-chain other MIDI devices.

Control Voltage (CV) Connections

- **Trig Out:** Outputs a trigger signal.
- **Gate Out:** Outputs a gate signal.
- **Mod In/Out:** Modulation input and output jacks for external modulation sources.
- **Phaser In/Out:** Input and output jacks for the internal phaser effect, allowing external processing or routing.
- **VCA CV In:** Voltage Control Amplifier Control Voltage input for dynamic control over the VCA.

Eurorack Integration

The Solina String Ensemble module features a removable housing, allowing it to be integrated into a Eurorack modular synthesizer system. Refer to the Eurorack mounting instructions provided with your Eurorack case for proper installation.

OPERATING THE SOLINA STRING ENSEMBLE

This section details the functions of the front panel controls and how to use them to create and shape sounds.

Front Panel Controls

TUNE Knob: Adjusts the overall pitch of the synthesizer. Rotate clockwise to increase pitch, counter-clockwise to decrease.

Instrument Presets (Contrabass, Cello, Viola, Violin, Trumpet, Horn): These red buttons activate the corresponding instrument voices. Multiple voices can be active simultaneously to create rich ensemble sounds. An illuminated LED above each button indicates its active status.

MODULATION Button: Engages or disengages the internal modulation effect.

PHASER Button: Activates or deactivates the built-in phase shifter effect.

COLOR Switch: Modifies the tonal character of the ensemble effect. Experiment with both positions to find the desired timbre.

RATE Knob: Controls the speed of the internal modulation and phaser effects. Turn clockwise for faster rates.

POWER Indicator: A red LED that illuminates when the unit is receiving power.

VOLUME BASS Slider: Adjusts the volume level of the bass section of the ensemble.

CRESCENDO Slider: Controls the attack time of the notes. Moving the slider up increases the time it takes for notes to reach full volume, creating a "crescendo" effect.

SUSTAIN LENGTH Slider: Determines how long notes are sustained after the key is released. Moving the slider up increases the sustain time.

VOLUME Slider: Controls the overall output volume of the Solina String Ensemble.

Basic Sound Creation

1. Ensure the module is powered on and connected to an audio output.
2. Connect a MIDI controller to the MIDI In port.
3. Set the **VOLUME** slider to a moderate level.
4. Press one or more of the instrument preset buttons (e.g., **VIOLIN**, **CELLO**).
5. Play notes on your MIDI controller.
6. Experiment with the **CRESCENDO** and **SUSTAIN LENGTH** sliders to shape the envelope of the sound.
7. Engage the **MODULATION** and **PHASER** effects and adjust the **RATE** knob to add movement and texture.
8. Adjust the **TUNE** knob for fine pitch adjustments.

MAINTENANCE

Proper care will ensure the longevity and optimal performance of your Solina String Ensemble.

Cleaning

- Always disconnect power before cleaning.
- Use a soft, dry cloth to wipe down the exterior of the module.
- For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth. Avoid abrasive cleaners or solvents.
- Do not allow liquids to enter the module through openings or controls.

Storage

- Store the module in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- If storing for extended periods, consider using a dust cover to protect the controls and jacks.

TROUBLESHOOTING

If you encounter issues with your Solina String Ensemble, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No sound output.	<ul style="list-style-type: none">◦ Power not connected or unit off.◦ Audio cables incorrectly connected.◦ Volume slider too low.◦ No instrument presets selected.◦ MIDI controller not sending data.	<ul style="list-style-type: none">◦ Check power supply and ensure the POWER indicator is lit.◦ Verify audio cable connections to "Audio Out/Phones" and your sound system.◦ Increase the "VOLUME" slider.◦ Press one or more instrument preset buttons.◦ Check MIDI cable connection and MIDI controller settings.

Problem	Possible Cause	Solution
Unexpected pitch changes.	<ul style="list-style-type: none"> "TUNE" knob accidentally adjusted. External CV affecting pitch. 	<ul style="list-style-type: none"> Adjust the "TUNE" knob to the desired pitch. Disconnect any CV cables from relevant inputs if not intended.
Effects (Modulation/Phaser) not working.	<ul style="list-style-type: none"> Effect button not engaged. "RATE" knob set too low. 	<ul style="list-style-type: none"> Ensure the "MODULATION" or "PHASER" button is pressed (LED illuminated). Increase the "RATE" knob setting.

If the problem persists after trying these solutions, please contact Behringer customer support or visit their official website for further assistance.

SPECIFICATIONS

Model Name	Solina String Ensemble
Item Model Number	0718-AAM
Brand	Behringer
Instrument Type	Synthesizer
Polyphony	49-tone Polyphony
Connectivity Technology	USB, MIDI (5-pin DIN)
Connector Type	3.5mm Jack (Audio Out/Phones, Mod In/Out, Phaser In/Out, VCA CV In, Trig Out, Gate Out), USB Type B, 5-pin MIDI
Power Source	DC power supply
Item Weight	5.08 pounds (2.3 kg)
Product Dimensions	19.35 x 7.5 x 5.15 inches (49.15 x 19.05 x 13.08 cm)
Body Material	Plastic
Color	Black
Skill Level	Professional
Special Feature	Portable, Eurorack-compatible Removable Housing
Date First Available	June 6, 2023
UPC	644216641802

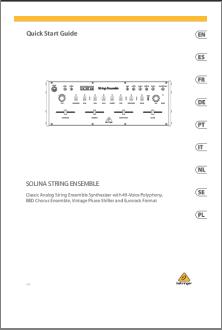
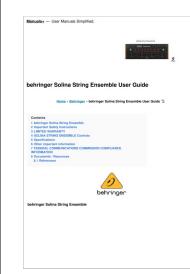
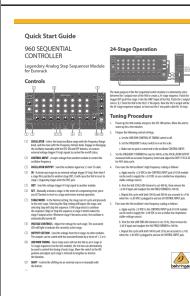
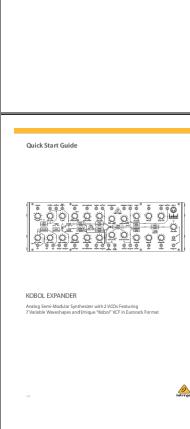
WARRANTY AND SUPPORT

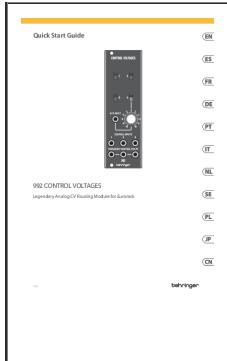
For detailed warranty information and technical support, please refer to the official Behringer website or contact their

customer service department. Warranty terms and conditions may vary by region and retailer. You can typically find support resources, FAQs, and contact information on the [Behringer Official Website](#).

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Related Documents - 0718-AAM

	<p>Behringer Solina String Ensemble Quick Start Guide</p> <p>Get started quickly with the Behringer Solina String Ensemble, a classic analog string synthesizer featuring 49-voice polyphony, BBD chorus, vintage phaser, and Eurorack format. This guide covers controls and basic operation.</p>
	<p>Behringer Solina String Ensemble User Guide: Classic Analog Synthesizer</p> <p>Explore the Behringer Solina String Ensemble, a classic analog synthesizer with 49-voice polyphony, BBD Chorus, and vintage phaser. This user guide provides detailed information on controls, specifications, and safety instructions for this versatile musical instrument.</p>
	<p>Behringer WAVE User Manual: Legendary 8-Voice Multi-Timbral Hybrid Synthesizer</p> <p>Comprehensive user manual for the Behringer WAVE, detailing its features as a legendary 8-voice multi-timbral hybrid synthesizer with wavetable generators, analog VCF and VCA, LFO, 3 envelopes, arpeggiator, and sequencer. Includes safety instructions, operational guidance, and warranty information.</p>
	<p>Behringer 960 Sequential Controller: Quick Start Guide for Eurorack</p> <p>Comprehensive quick start guide for the Behringer 960 Sequential Controller, a legendary analog step sequencer module for Eurorack. Learn about controls, tuning, power connection, installation, and specifications.</p>
	<p>Behringer Kobol Expander Quick Start Guide</p> <p>Get started with the Behringer Kobol Expander, an analog semi-modular synthesizer featuring 2 VCOs, 7 variable waveshapes, and a unique "Kobol" VCF in Eurorack format. This guide covers essential safety instructions, hook-up procedures, getting started steps, detailed control descriptions, and Eurorack installation.</p>



[Behringer 992 CONTROL VOLTAGES Quick Start Guide](#)

Get started quickly with the Behringer 992 CONTROL VOLTAGES, a legendary analog CV routing module for Eurorack. This guide provides essential setup and usage information for your modular synthesizer.