



## behringer Solina String Ensemble User Guide

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**behringer Solina String Ensemble**



## SOLINA STRING ENSEMBLE

Classic Analog String Ensemble Synthesizer with 49-voice Polyphony, BBD Chorus Ensemble, Vintage Phase Shifter and Eurorack Format

### Important Safety Instructions

- Terminals marked with this symbol carry an electrical current of sufficient magnitude to constitute a risk of electric shock.
- Use only high-quality professional speaker cables with ¼" TS or twist-locking plugs pre-installed.
- All other installations or modifications should be performed only by qualified personnel.
- This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure voltage that may be sufficient to constitute a risk of shock.
- This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

### Caution

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user-serviceable parts inside. Refer servicing to qualified personnel.


### Caution

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.

### Caution

These service instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operation instructions. Repairs have to be performed by qualified service personnel.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install by the manufacturer's instructions. Do not install near any heat

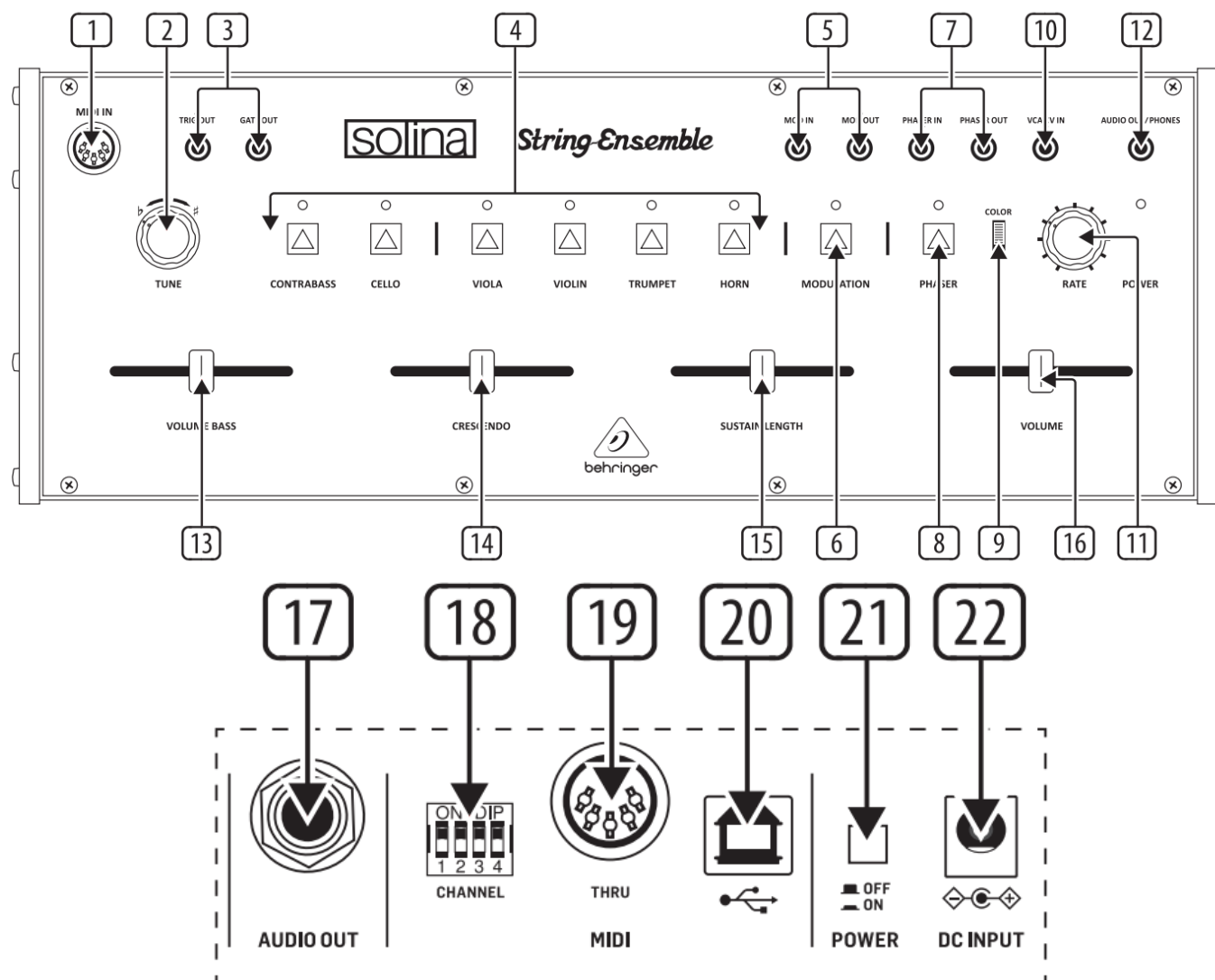
- sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades one wider than the other.
  9. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for the replacement of the obsolete outlet. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
  10. Use only attachments/accessories specified by the manufacturer.
  11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
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12. Unplug this apparatus during lightning storms or when unused for long periods.
  13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as a power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
  14. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
  15. Where the MAINS plug or an appliance coupler is used the disconnect the device, the disconnect device shall remain readily operable.
  16. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law.
  17. This product should be taken to a collection centre licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office or your household waste collection service.
  18. Do not install in a confined space, such as a book case or similar unit.
  19. Do not place naked flame sources, such as lighted candles, on the apparatus.
  20. Please keep the environmental aspects of battery disposal in mind. Batteries must be disposed-of at a battery collection point.
  21. This apparatus may be used in tropical and moderate climates up to 45°C. Music Tribe accepts no liability for any loss that may be suffered by any person who relies on either wholly or in part upon any description, photograph or statement contained herein. Technical specifications, LEGAL DISCLAIMER appearances and other information are subject to change without notice.

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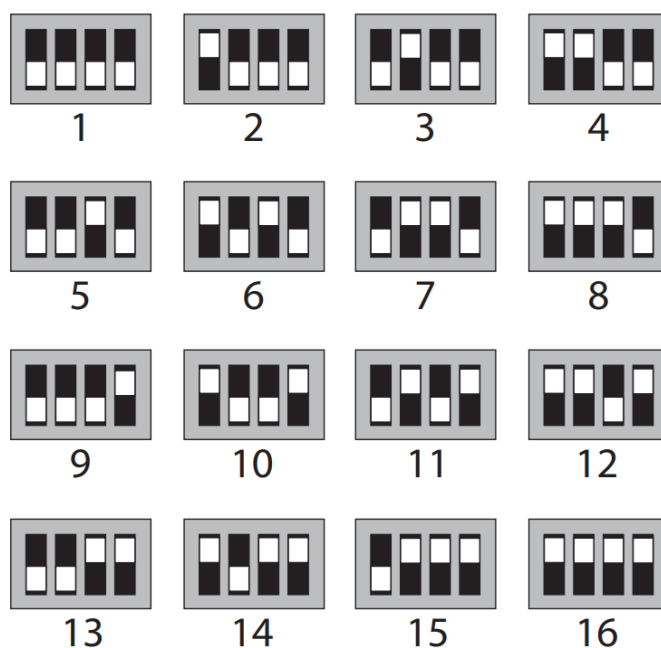
## LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at [community.musictribe.com/pages/support#warranty](https://community.musictribe.com/pages/support#warranty).

## SOLINA STRING ENSEMBLE Controls



## MIDI Chart



1. Controls (1) MIDI IN – Connect a keyboard controller or other MIDI device to input note information.

2. TUNE – Fine tunes the pitch of the synth.
3. TRIG OUT / GATE OUT – Send a note on/off commands to another synth module.
4. TONE BUTTONS – Individually engages each of the 6 tones available. The Contrabass and Cello tones are only available in the lower register.
5. MOD IN / MOD OUT – Route an external signal through the modulation effect via 3.5 mm TS cables.
6. MODULATION – Engage the chorus/modulation effect.
7. PHASER IN / PHASER OUT – Route an external signal through the phaser effect via 3.5 mm TS cables.
8. PHASER – Engage the phaser effect.
9. COLOR – Select between a brighter or darker phaser tone.
10. VCA CV IN – Control the VCA volume from an external CV source.
11. RATE – Adjusts the speed for the phaser effect.
12. AUDIO OUT/PHONES – Send the Main Out signal via stereo 3.5 mm TRS cable.
13. VOLUME BASS – Adjust the level of the Contrabass and Cello tones.
14. CRESCENDO – Adjust the rate at which the note reaches full volume after being triggered (attack setting).
15. SUSTAIN LENGTH – Adjust the time it takes for notes to fade after the keys are released (decay).
16. VOLUME – Adjust the overall volume output.
17. OUTPUT – Send the output signal to a mixer or amplifier via standard instrument cable (1/4" TS).
18. CHANNEL – Select the MIDI channel according to the chart below.
19. MIDI THRU – Pass the MIDI received at the MIDI IN port to another device.
20. USB – This USB type B jack allows connection to a computer. The Solina will show up as a class-compliant USB MIDI device, capable of supporting MIDI in and out. USB MIDI IN – accepts incoming MIDI data from an application. USB MIDI OUT sends MIDI data to an application. This connection is also used for firmware updates.
21. (21) POWER ON/OFF – Turn the power on and off.
22. DC IN – Connect the supplied 12 V power adapter.

## **Specifications**

### **Synthesizer Architecture**

- Number of voices 49 voice polyphonic, monophonic for contrabass and cello
- Type Analog
- Effects Chorus, phaser
- MIDI channels 16

### **Connectivity**

- MIDI in/thru 5-pin DIN
- USB Type B
- Main output 6.35 mm (1/4") TRS jack, servo-balanced
- Impedance 1 k $\Omega$
- Max output level 12 dBu
- Audio out / phones 3.5 mm (1/8") TRS, stereo
- Impedance min 32  $\Omega$

- Max output level 8.2 dB @ 600  $\Omega$
- Phaser in 3.5 mm (1/8") TS, unbalanced
- Phaser out 3.5 mm (1/8") TS, unbalanced
- Exp pedal 3.5 mm (1/8") TS, unbalanced
- Trig out 3.5 mm (1/8") TS, unbalanced
- Voltage range 0 to 5 V
- Gate out 3.5 mm (1/8") TS, unbalanced
- Voltage range 0 to 5 V

## **Tone Section**

- Buttons Contrabass, cello, viola, violin, trumpet, horn
- Controls Volume bass, crescendo, sustain, volume, tune

## **Modulation Section**

- Buttons Modulation, phaser
- Controls Color, rate

## **USB**

- Type Class-compliant USB 2.0, type B

## **Power Requirements**

- External power adapter 12 V DC, 1000 mA
- Power consumption 10 W

## **Physical**

- Standard operating temperature range 5° C – 40° C (41° F – 104° F)
- Dimensions 374 x 136 x 93 mm (14.7 x 5.4 x 3.7")
- Weight 1.6 kg (3.5 lbs)

## **Other important information**

1. Register online. Please register your new MusicTribe equipment right after you purchase it by visiting [musictribe.com](http://musictribe.com). Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.
2. Malfunction. Should your MusicTribe Authorized Reseller not be located in your vicinity, you may contact the MusicTribe Authorized Fulfiller for your country listed under "Support" at [musictribe.com](http://musictribe.com). Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at [musictribe.com](http://musictribe.com). Alternatively, please submit an online warranty claim at [musictribe.com](http://musictribe.com) BEFORE returning the product.

3. Power Connections. Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.

## FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

### SOLINA STRING ENSEMBLE

Responsible Party Name: Music Tribe Commercial NV Inc.

Address: 122 E. 42nd St.1,

8th Floor NY, NY 10168,

United States

Email Address: [legal@musictribe.com](mailto:legal@musictribe.com)

This equipment has been tested and found to comply with the limits for a Class B digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used by the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

### Important information

Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment

Hereby, Music Tribe declares that this product complies with Directive 2014/35/EU, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012

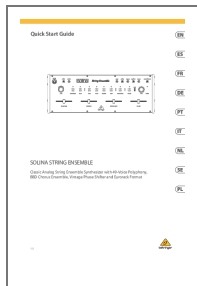
REACH SVHC and Directive 1907/2006/EC. Full text of EU DoC is available at

<https://community.musictribe.com/> EU Representative: Music Tribe Brands DK A/S

Address: Gammel Strand 44, DK-1202 København K, Denmark

UK Representative: Music Tribe Brands UK Ltd.

Address: 6 Lloyds Avenue, Unit 4CL London EC3N 3AX, United Kingdom



## References

- User Manual

[Manuals+](#), [Privacy Policy](#)

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