



BLENDER Portable 12 x 8 Stereo Mixer with 12 x 2 USB Audio Interface and Remote Control User Guide

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BLENDER

TCHILICON

Quick Start Guide



BLENDER

Portable 12 x 8 Stereo Mixer with 12 x 2 USB Audio Interface and Remote Control

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Important Safety Instructions



CAUTION

RISK OF ELECTRIC SHOCK! DO NOT OPEN!



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 1/4" TS or twist-locking plugs pre-installed. All other installation 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 dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Use only attachments/accessories specified by the manufacturer.



12. 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.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as 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.
15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall

remain readily operable.



17.  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. This product should be taken to a collection center 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 bookcase 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.

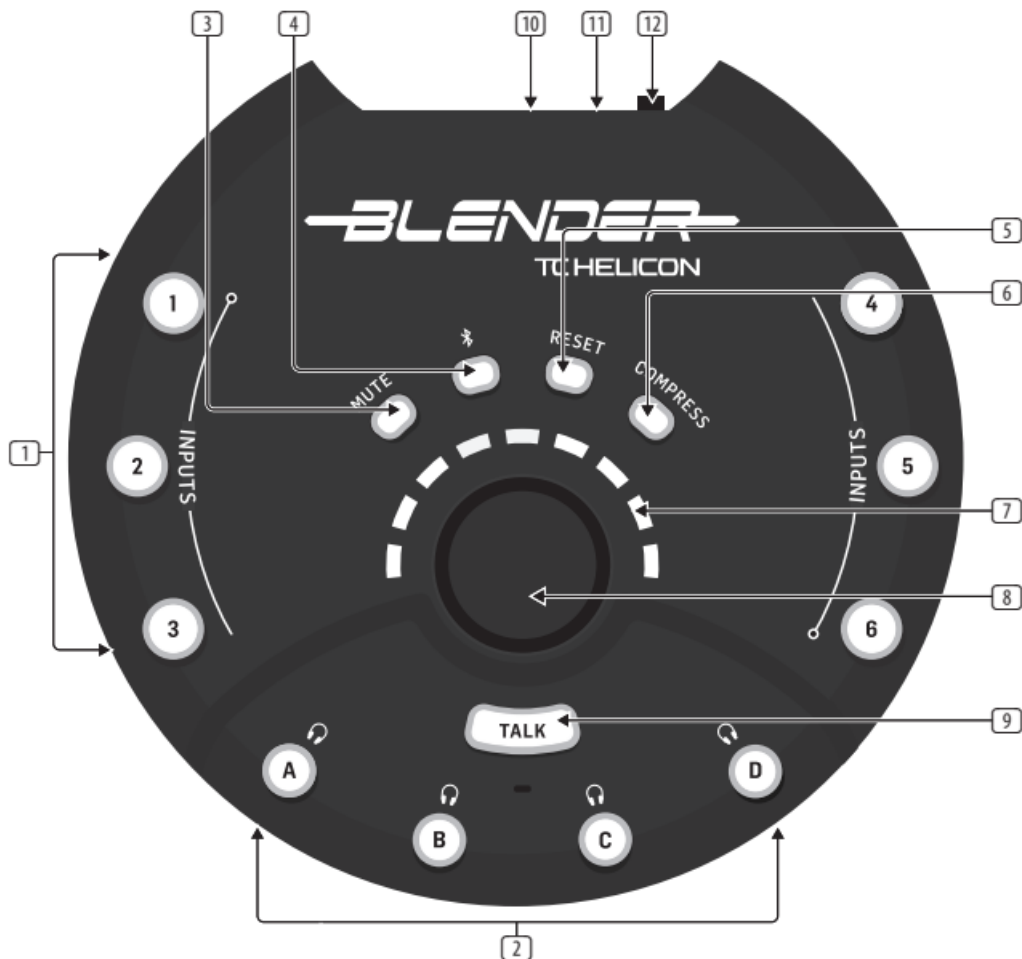
LEGAL DISCLAIMER

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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 musictribe.com/warranty.

BLENDER Controls

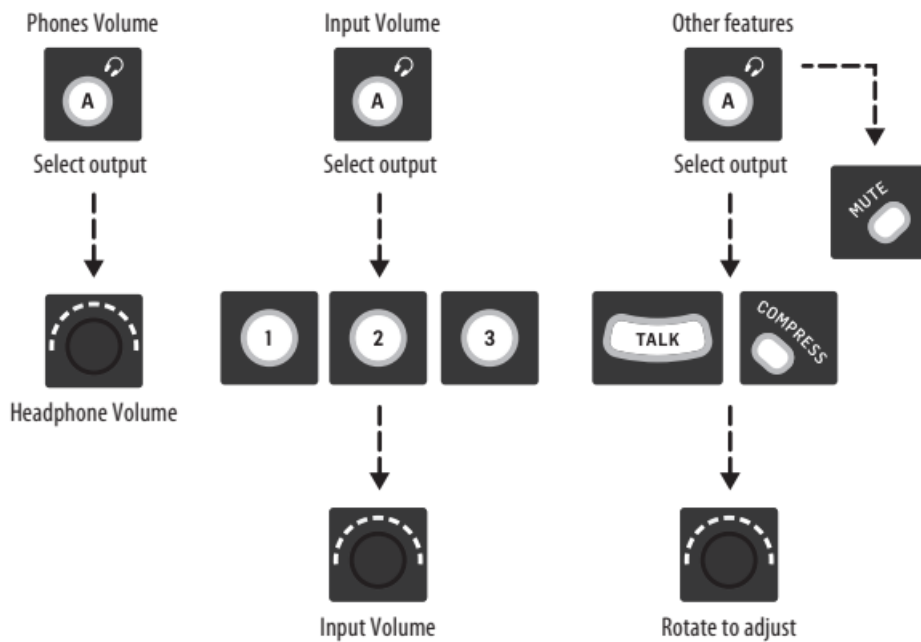


Controls

1. **INPUTS** – Connect stereo sources via 1/8" TRS cable. Pressing the associated input button causes the button to flash blue, indicating that the level of that input can be adjusted for the currently-selected headphone channel using the big knob. If the button lights red, lower the output level of the source audio.
2. **OUTPUTS** – Connect a pair of headphones via a 1/8" stereo cable. Pressing the associated output button causes the button to light blue, indicating that the headphone volume can be adjusted with the big knob.
3. **MUTE** – Press this button to mute all outputs.
4. **BLUETOOTH** – Press this button to make the Blender discoverable by Android and iOS devices for use with the control app.
5. **RESET** – Hold this button for 3 seconds to reset the device to factory default settings.
6. **COMPRESS** – Press this button to compress and boost the average level for inputs routed to the currently-selected output. Compression can be engaged and adjusted separately for each output.
7. **LEVEL METER** – Indicates the level of the currently-selected input, output, or Talk.
8. **BIG KNOB** – Adjusts the level of the currently selected item.
9. **TALK** – Pressing this activates the onboard microphone, allowing some room sound to be mixed into the outputs. While the Talk button flashes, the level can be adjusted for the currently-selected output. If another input or output button is pressed, the Talk button remains lit red but loses the focus of the big knob. Select another output channel, then disengage and re-engage Talk so that it flashes again, enabling the level for that output to be adjusted.
10. **USB** – Connect the included USB cable to a computer for multitrack recording and firmware updates.

11. **Power** – Connect the included power cable.
12. **ON/OFF** – Power the unit on and off with this switch.

BLENDER Getting started



Getting started

1. With the power off, connect your audio sources to the input channels and headphones to the outputs. Connect the power cable to the 5V socket.
2. Switch the power on.
3. Press the headphone button for the first output that you want to adjust. It will be light blue. Most of the other functions in this list will be applied to this output only.
4. Turn the big knob down a bit to ensure that the level won't be too loud.
5. Begin playing audio into Blender.
6. Press the input button for the first audio source. It will flash blue. If the button flashes red, reduce the output level of the audio source.
7. Use the big knob to adjust how much of the input's signal is sent to the currently selected output.
8. If you want to mix in some ambient room sound, press the Talk button and adjust the level with the big knob.
9. Repeat steps 5-8 for any other audio sources until a balanced mix is achieved between the sources for the first pair of headphones.
10. Press the output button for the next set of headphones and repeat steps 4-9.
11. Visit tc-helicon.com to download the full manual and learn about advanced features such as remote app control and multitrack recording.

Note – Due to the nature of unbalanced inputs, it is possible that grounding noise will be transmitted to the outputs. If this happens, try the following steps to alleviate the problem:

- Plug the power cables into different power sources, especially different outlets from one another.
- Use the Blender with 4 AA batteries instead of DC power. Do not expose the unit to excessive heat when using battery power.

- Use your audio sources with battery power if possible.

Specifications

Inputs	
Type	6 x 1/8" TRS, stereo unbalanced
Impedance	10 kΩ
Max. input level	8 dBu
Outputs	
Type	4 x 1/8" TRS, stereo unbalanced
Impedance	16 Ω
Max. output level	27 mW
USB	
Connector	Type-B mini
Audio	12 in / 2 out
Converter	24-bit
Sample rate	48 kHz
Bluetooth	
Frequency range	2402–2480 MHz
Channel number	79 channels – 2 MHz spacing
Version	4.1 BLE
Compatibility	4.0 or newer
Output power	+8 dbm
Power	
Power adapter	5 V DC, 1 A
Battery power	4 x AA batteries (not included)
Physical	
Dimensions (H x W x D)	43 x 132 x 124 mm (1.7 x 5.2 x 4.9")
Weight	0.37 kg (0.82 lbs)

Other important information

1. **Register online.** Please register your new Music Tribe equipment right after you purchase it by visiting 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 Music Tribe Authorized Reseller not be located in your vicinity, you may contact the

Music Tribe Authorized Fulfiller for your country listed under “Support” at 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. Alternatively, please submit an online warranty claim at 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

**TC Helicon
BLENDER**

Responsible Party Name:	Music Tribe Commercial NV Inc.
Address:	5270 Procyon Street, Las Vegas NV 89118, United States
Phone Number:	+1 702 800 8290

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 receiver.
- Connect the equipment into 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.

This device 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.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modifications could void the user’s authority to operate the equipment.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This

equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.



Hereby, Music Tribe declares that this product is in compliance with Directive 2014/53/EU, Directive 2014/30/EU, Directive 2014/35/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC.

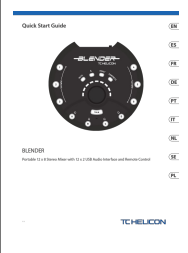
Full text of EU DoC is available at <https://community.musictribe.com/>

EU Representative: Music Tribe Brands DK A/S

Address: Ib Spang Olsens Gade 17, DK – 8200 Aarhus N, Denmark

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Documents / Resources

	<p>BLENDER Portable 12 x 8 Stereo Mixer with 12 x 2 USB Audio Interface and Remote Control [pdf] User Guide</p> <p>Portable 12 x 8 Stereo Mixer with 12 x 2 USB Audio Interface and Remote Control</p>
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Manuals+.