

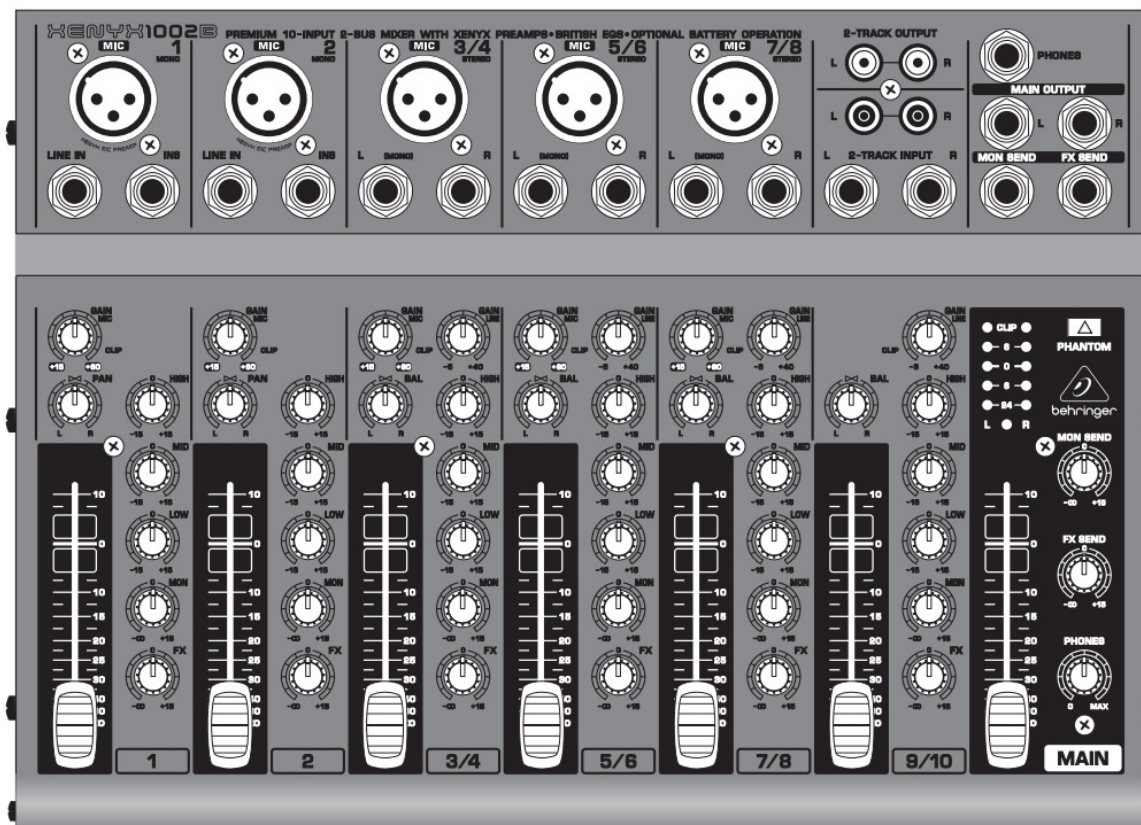


behringer XENYX 1002B Premium 10-Input 2-Bus Mixer with XENYX Preamps User Guide

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Quick Start Guide



XENYX 1002B

Premium 10-Input 2-Bus Mixer with XENYX Preamps, British EQs, and Optional Battery Operation

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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 1/4" 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 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 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 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.
 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 EE. 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

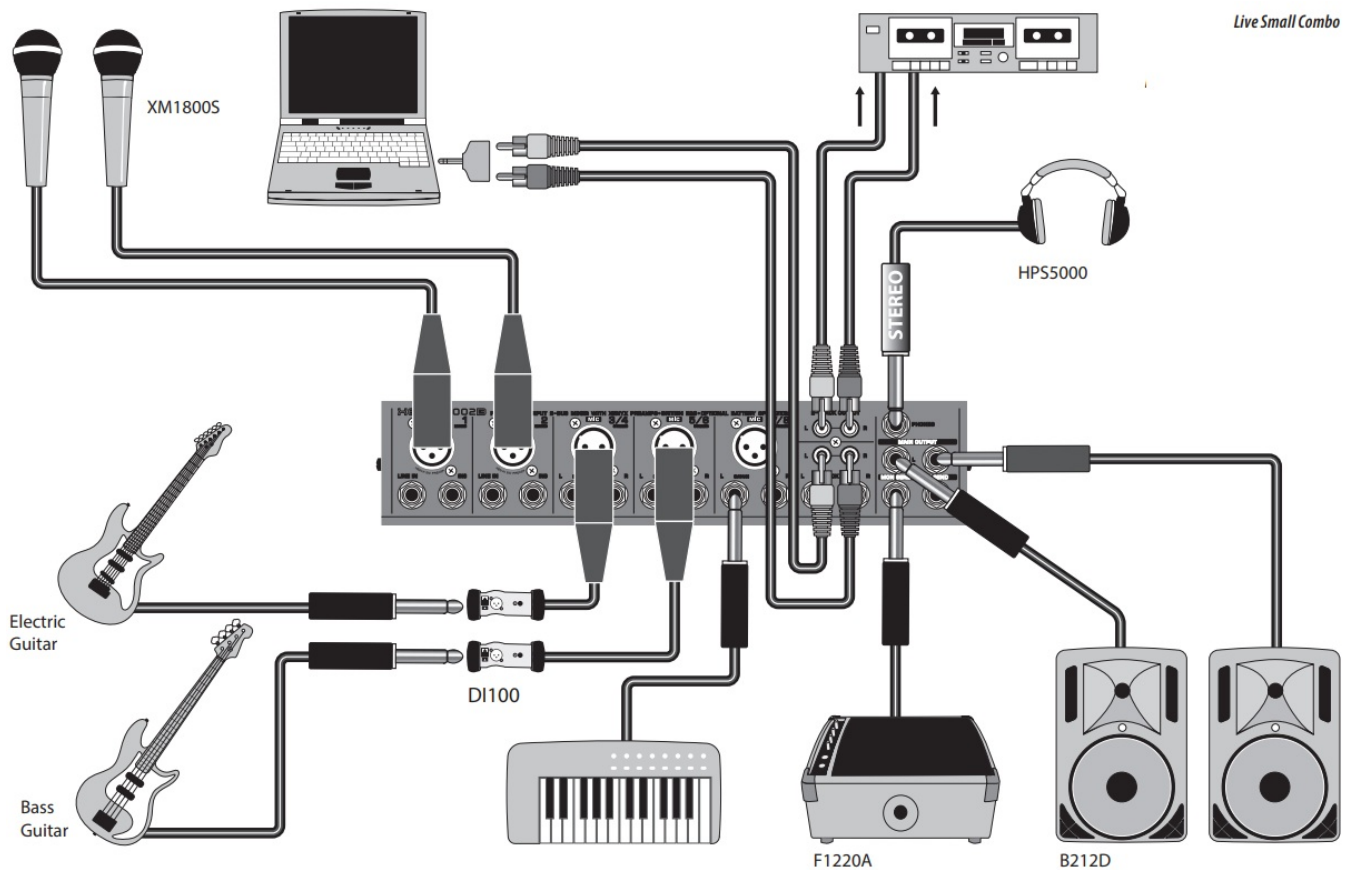
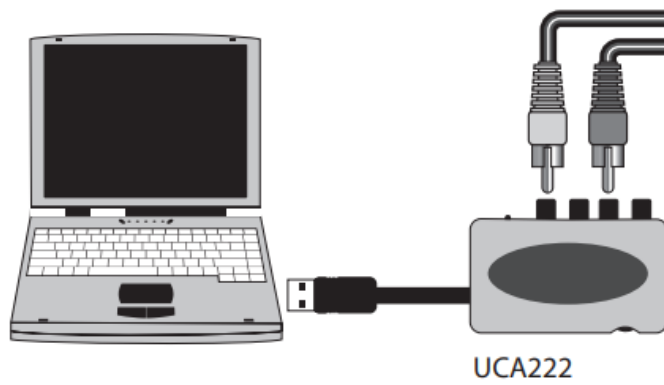
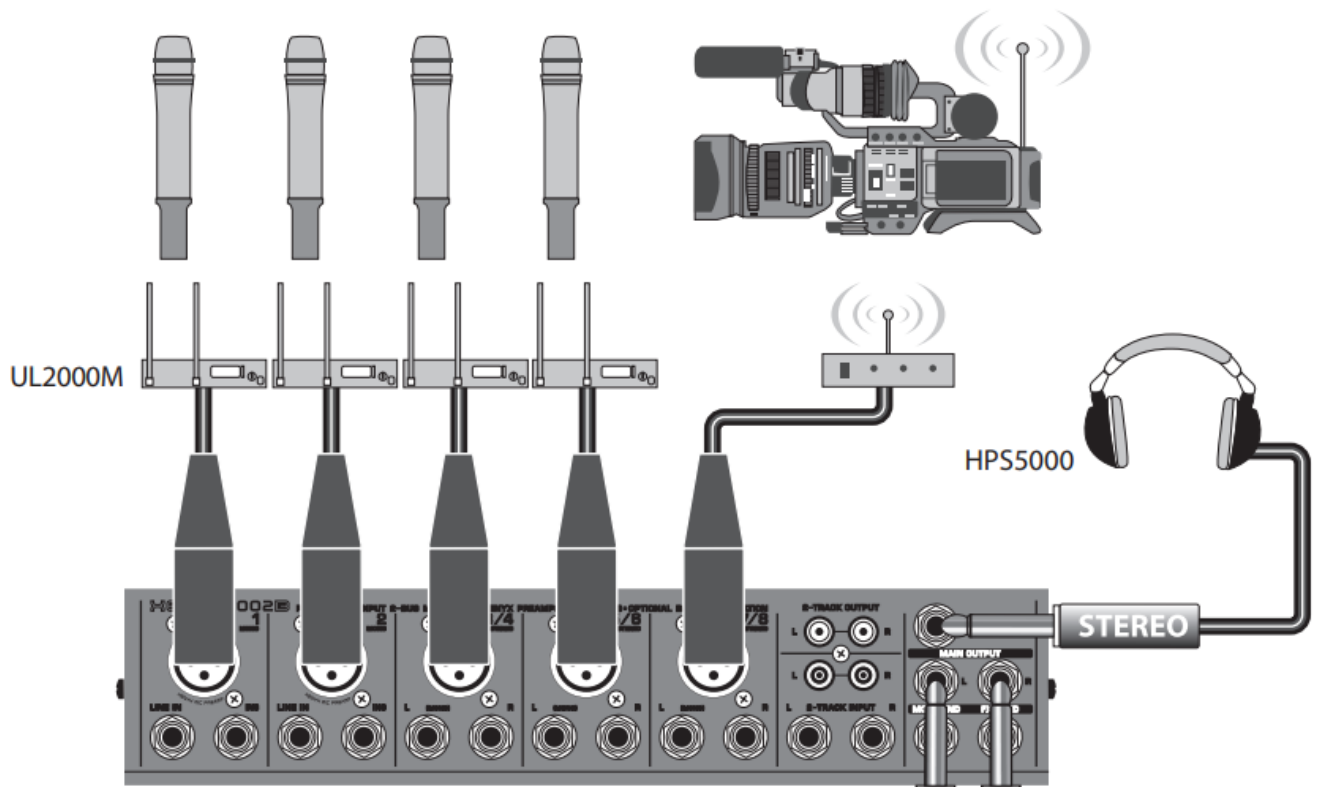
Music Tribe accepts no liability for any loss which may be suffered by any person who relies either wholly on or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances, and other information are subject to change without notice. All trademarks are the property of their respective owners. Midas, Klark Teknik, Lab Gruppen, Lake, Tannoy, Turbosound, TC Electronic, TC Helicon, Behringer, Bugera, Aston Microphones, and Coolaudio are trademarks or registered trademarks of Music Tribe Global Brands Ltd. © Music Tribe Global Brands Ltd. 2021 All rights reserved.

LIMITED WARRANTY

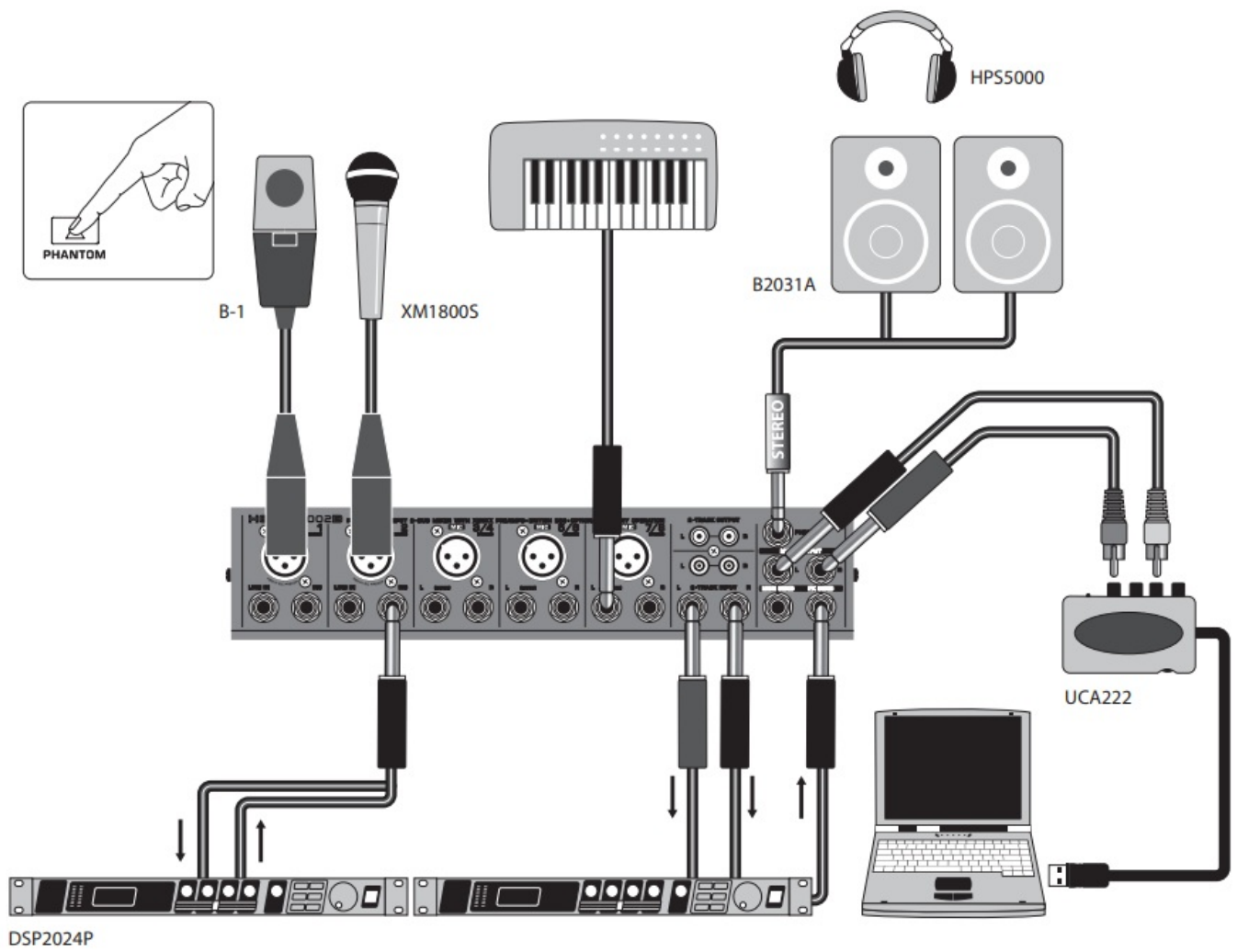
For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at community.musictribe.com/pages/support#warranty.

XENYX 1002B Hook-up

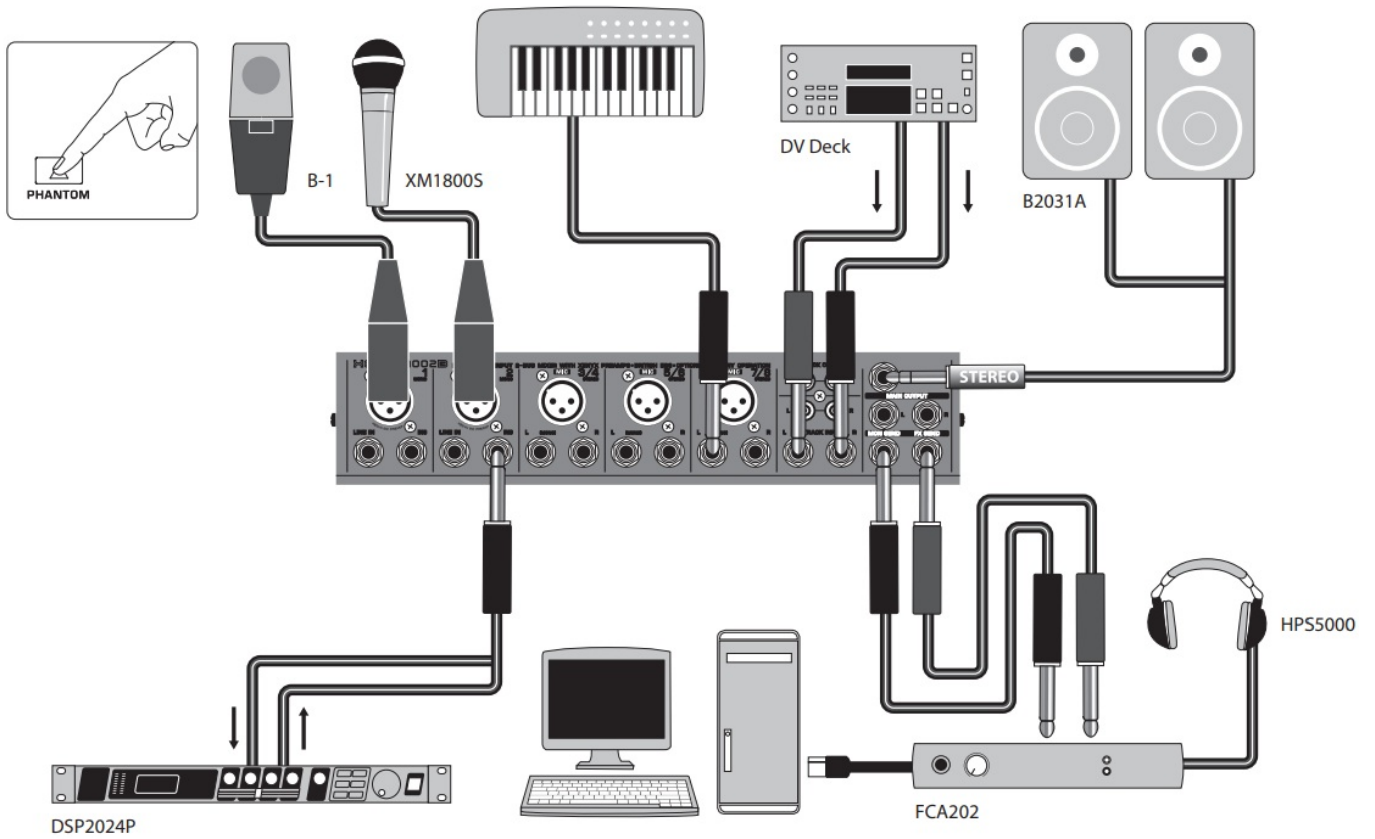
Step 1: Hook-Up



Computer Recording



Video Editing



XENYX 1002B Controls

Step 2: Controls

CLIP LED lights when the preamp begins to overload.

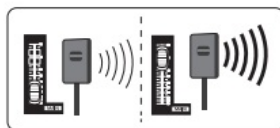
PHANTOM power button sends 23 V of power to the XLR MIC inputs for use with condenser microphones.

EQ knobs adjust the **LOW**, **MID** and **HIGH** frequencies.

FX and **MON** – Adjusts the amount of channel signal sent to the **FX SEND** and **MON SEND** jacks.

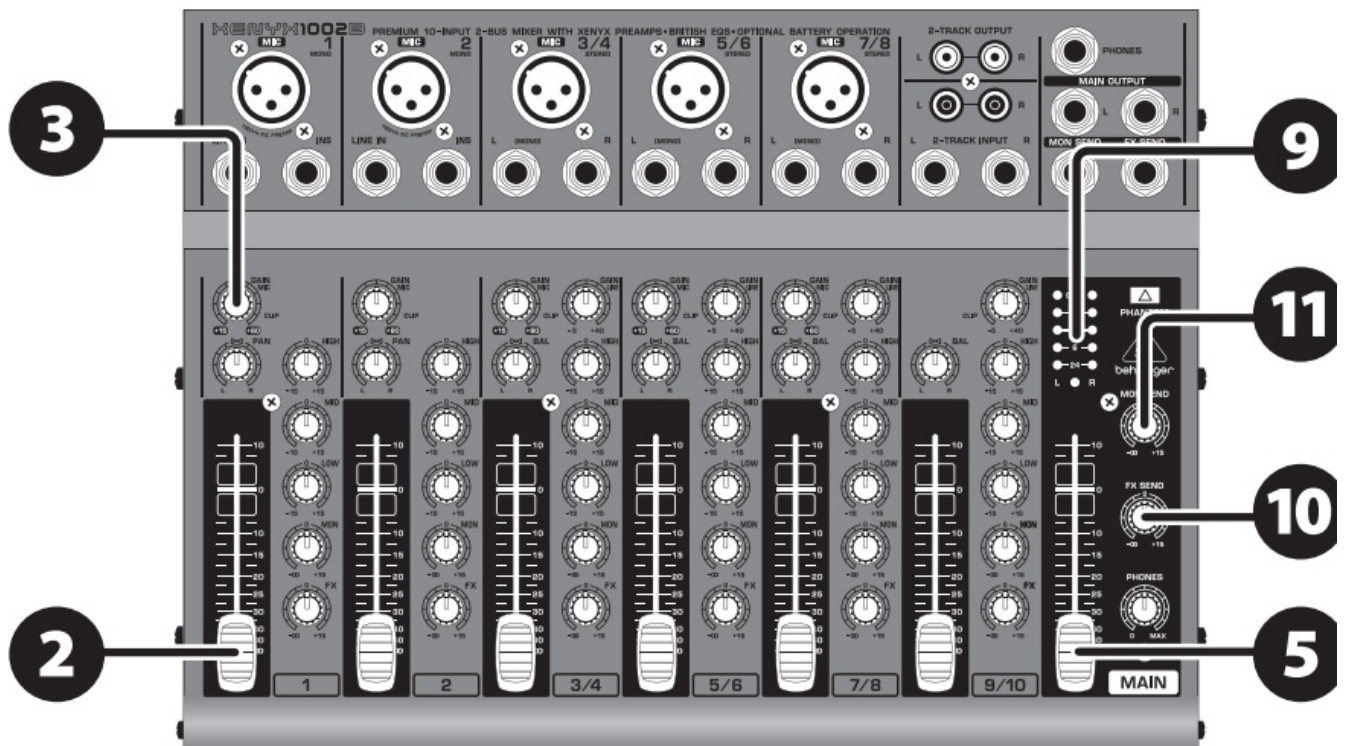
MAIN FADER adjusts the overall output of the mixer.

FX SEND and **MON SEND** adjust the overall output at the **FX SEND** and **MON SEND** jacks.

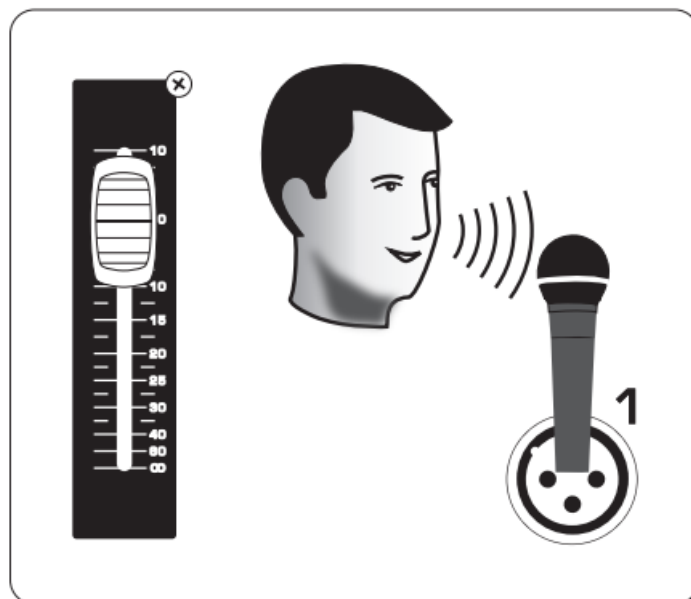


XENYX 1002B Getting started

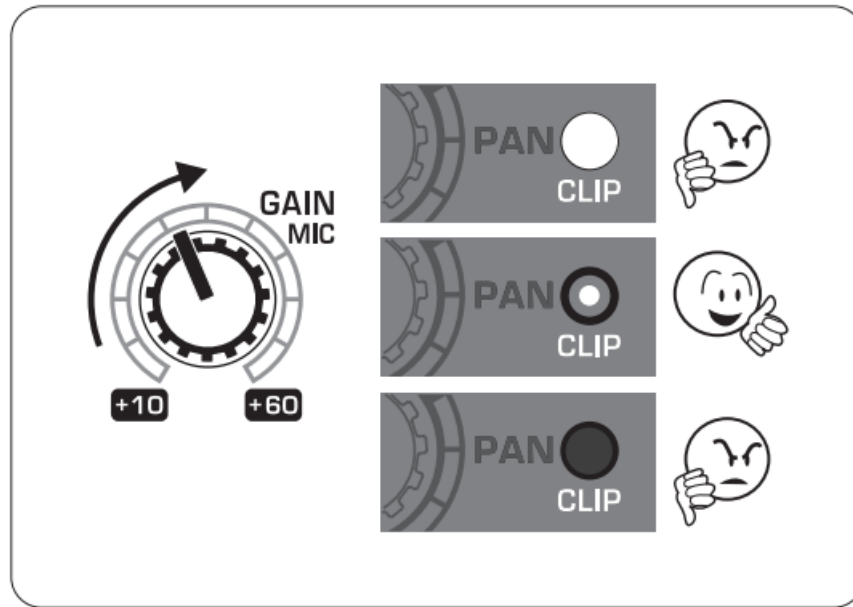
Step 3: Getting started



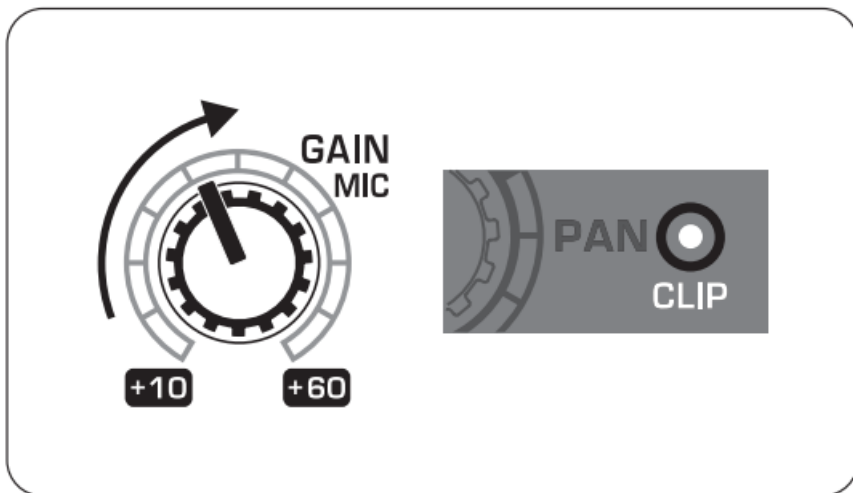
1. Set all controls as shown above: EQ and PAN/BAL centered, all others down/off.
2. Raise Channel 1's fader to 0. Sing, speak, or play at a normal level through the microphone or instrument connected to Channel 1.



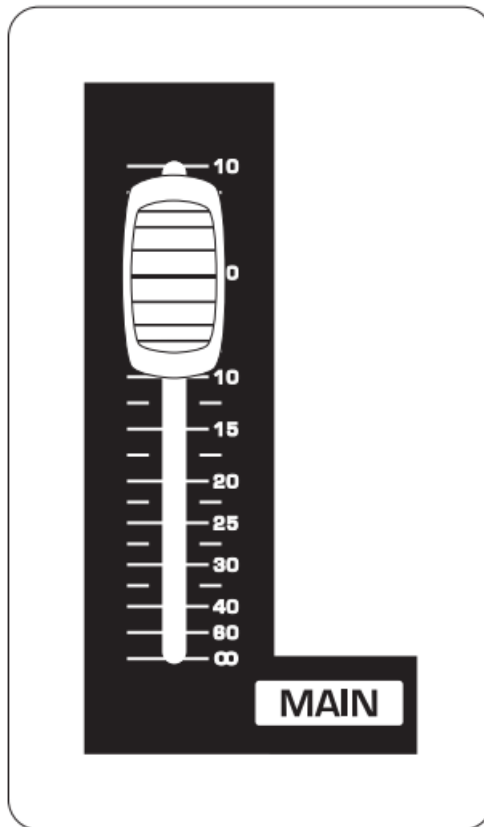
3. While singing or playing, turn Channel 1's GAIN control until the Channel 1 CLIP LED flashes occasionally, but not constantly.



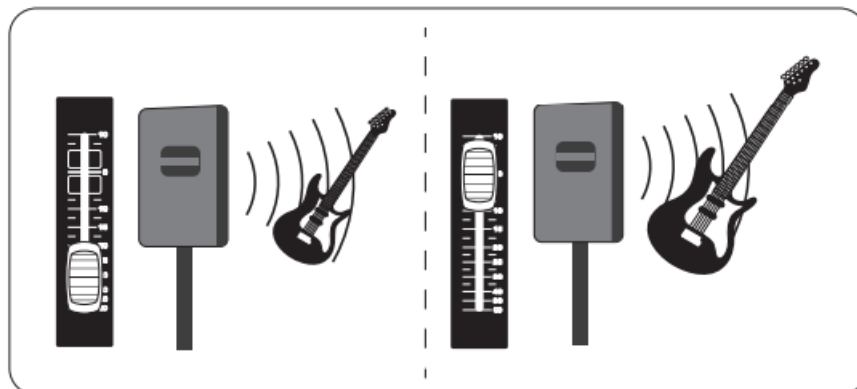
4. Repeat steps 2 and 3 for any other channels that will be used. For channels, 3/4 – 7/8, use the GAIN MIC knob for a microphone or GAIN LINE knob for 1/4" inputs.



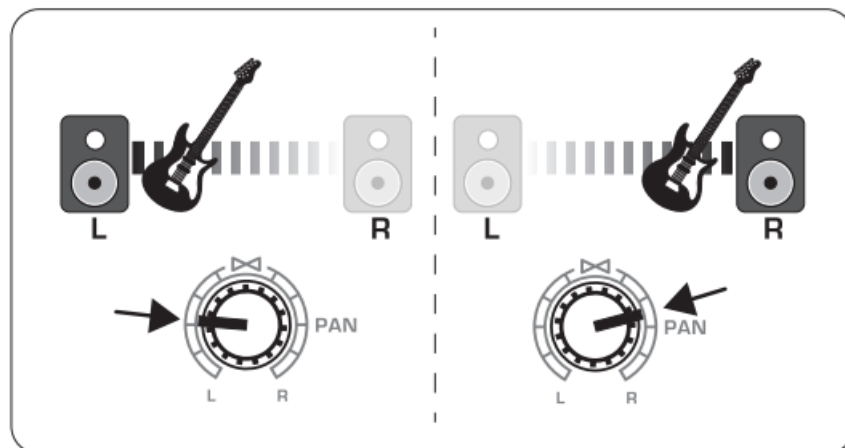
5. With the MAIN fader all the way down, turn your PA system on.
6. Slowly raise the MAIN fader to 0 or to the desired level.



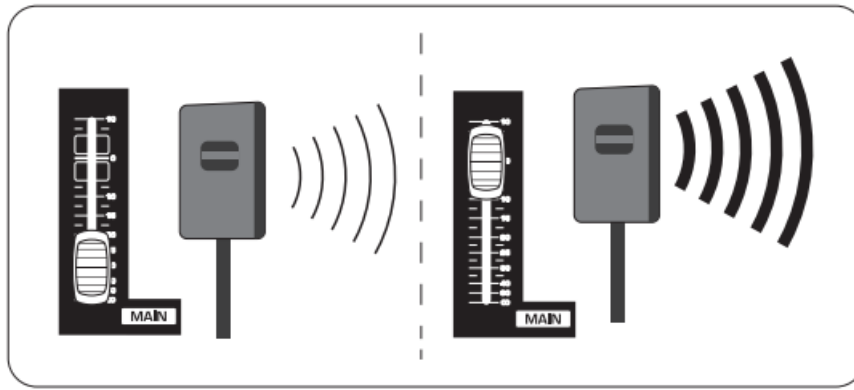
7. Adjust the relative level of various microphones and instruments by raising each CHANNEL fader.



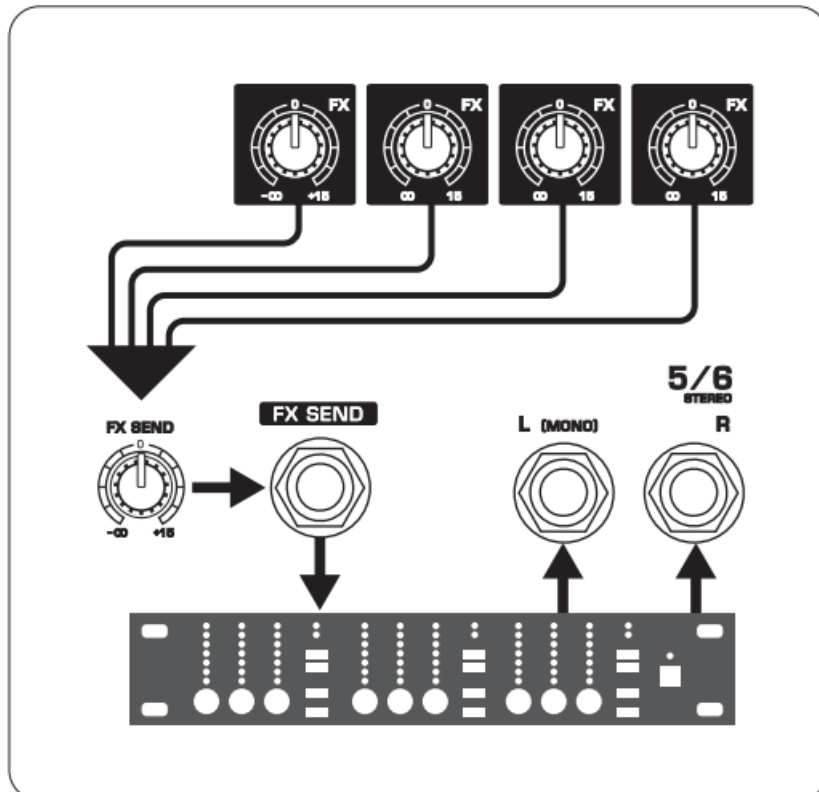
8. Adjust the left-right position of a channel in the stereo field if necessary by turning the channel's PAN or BAL knob.



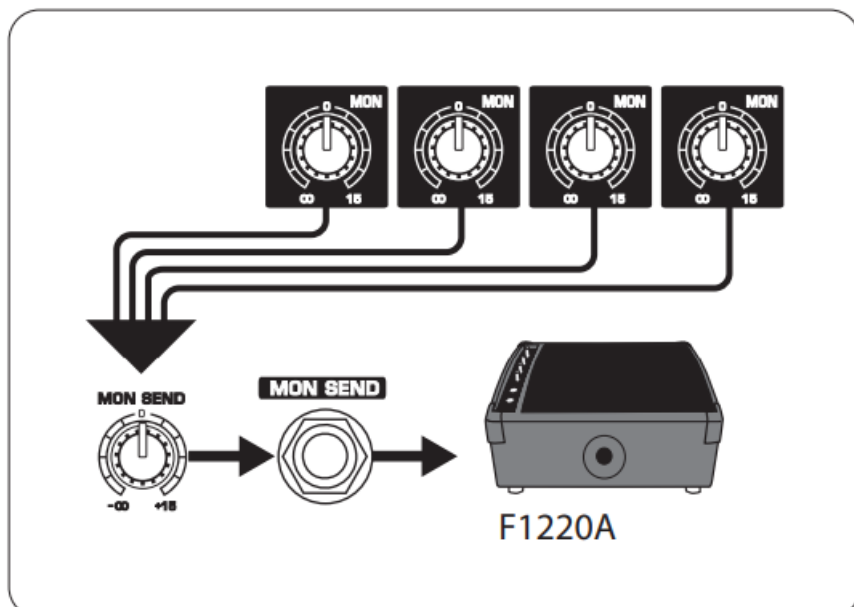
9. For live applications, adjust the overall output from the mixer to the power amp or powered speakers by raising the MAIN fader. If the red CLIP LEDs on the L/R METERS light, lower the MAIN fader.



10. Use the channel FX knob and master FX SEND knob to send the channel's signal to an effects processor connected to the FX SEND jack. This signal should be returned to one of the stereo channels.



11. Use the channel MON knob, master MON SEND knob and MON SEND jack to create an independent monitor mix for the performers.



Specifications

Mono Inputs	
Microphone Inputs (XENYX Mic Preamp)	
Type	XLR connector, electronically balanced,
Mic E.I.N.1 (20 Hz – 20 kHz)	
@ 0 Ω source resistance	-134 dB 135.7 dB A-weighted
@ 50 Ω source resistance	-131 dB 133.3 dB A-weighted
@ 150 Ω source resistance	-129 dB 130.5 dB A-weighted
Frequency response (-1 dB)	<10 Hz – 160 kHz (-1 dB)
Frequency response (-3 dB)	<10 Hz – 200 kHz (-3 dB)
Gain range	+14 dB to +60 dB
Max. input level	+12 dBu @ +10 dB GAIN
Impedance	2.6 k Ohms balanced
Signal-to-noise ratio	120 dB A-weighted (0 dBu In @ +22 dB GAIN)
Distortion (THD + N)	0.005% / 0.004% A-weighted
Line Input	
Type	¼" TRS jack, electronically balanced
Impedance	20 k Ohms balanced, 10 k Ohms unbalanced
Gain range	-10 dB to +40 dB
Max. input level	+22 dBu @ 0 dB GAIN
Frequency Response (Mic In → Main Out)	
<10 Hz – 90 kHz (-1 dB)	+0 dB / -1 dB
<10 Hz – 160 kHz (-3 dB)	+0 dB / -3 dB
Stereo Inputs	
Type	2 x ¼" TRS jack, balanced
Impedance	20 k Ohms balanced, 10 k Ohms unbalanced
Gain range	-20 dB to +20 dB
Max. input level	+22 dBu @ 0 dB GAIN
CD/Tape-In	
Type	RCA connector
Impedance	10 k Ohms

Max. input level	+22 dBu
Equalizer	
LOW	50 Hz / ± 15 dB
MID	700 Hz / ± 15 dB
HIGH	10 kHz / ± 15 dB
Channel Inserts	
Type	¼" TRS jack, unbalanced
Max. input level	+22 dBu
MON/FX Send	
Type	¼" mono jack, unbalanced
Impedance	120 Ohms
Max. output level	+22 dBu
Main Outputs	
Type	¼" TRS jack, electronically balanced
Impedance	240 Ohms balanced, 120 Ohms unbalanced
Max. output level	+28 dBu
Phones Output	
Type	¼" TRS jack, unbalanced
Max. output level	+19 dBu / 150 Ohms (+25 dBm)
CD/Tape Out	
Type	RCA connector
Impedance	1 k Ohms
Max. output level	+22 dBu
Main Mix System Data (Noise)	
Main mix @ $-\infty$, channel fader @ $-\infty$	-100 dB / -102.5 dB A weighted
Main mix @ 0 dB, channel fader @ $-\infty$	-82 dB / -85 dB A weighted
Main mix @ 0 dB, channel fader @ 0 dB	-72 dB / -75 dB A-weighted
Power Supply	
Power consumption	50 W
Fuse (100-120 V~, 50/60 Hz)	T 2,0 A H 250 V

Fuse (220-230 V~, 50/60 Hz)	T 2,0 A H 250 V
Mains Connector	
USA/Canada	120 V~, 60 Hz, Power Supply MXUL4
U.K./Australia	240 V~, 50 Hz, Power Supply MXUK4
China/Korea	220 V~, 50 Hz, Power Supply MXCHN4
Europe	230 V~, 50 Hz, Power Supply MXEU4
Japan	100 V~, 50-60 Hz, Power Supply MXJP4
Phantom Power	
With battery power	+18 V
With AC adaptor	+23 V
Battery	
Battery life	4 hours w/high-quality Alkaline battery
Physical/Weight	
Dimensions (H x W x D)	1 9/16" / 2 7/8 x 11 3/4 x 8 1/2" 40 mm / 73 x 298 x 216 mm
Weight	6.1 lbs / 2.77 kg (PSU not included)

Other important information

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 is 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

Brand Name
XENYX 1002B

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

XENYX 1002B

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.



Hereby, Music Tribe declares that this product is in compliance 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.

The full text of the 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

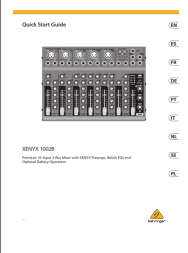
UK Representative: Music Tribe Brands UK Ltd.

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

We Hear You



Documents / Resources

	behringer XENYX 1002B Premium 10-Input 2-Bus Mixer with XENYX Preamps [pdf] User Guide XENYX 1002B, Premium 10-Input 2-Bus Mixer with XENYX Preamps
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References

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