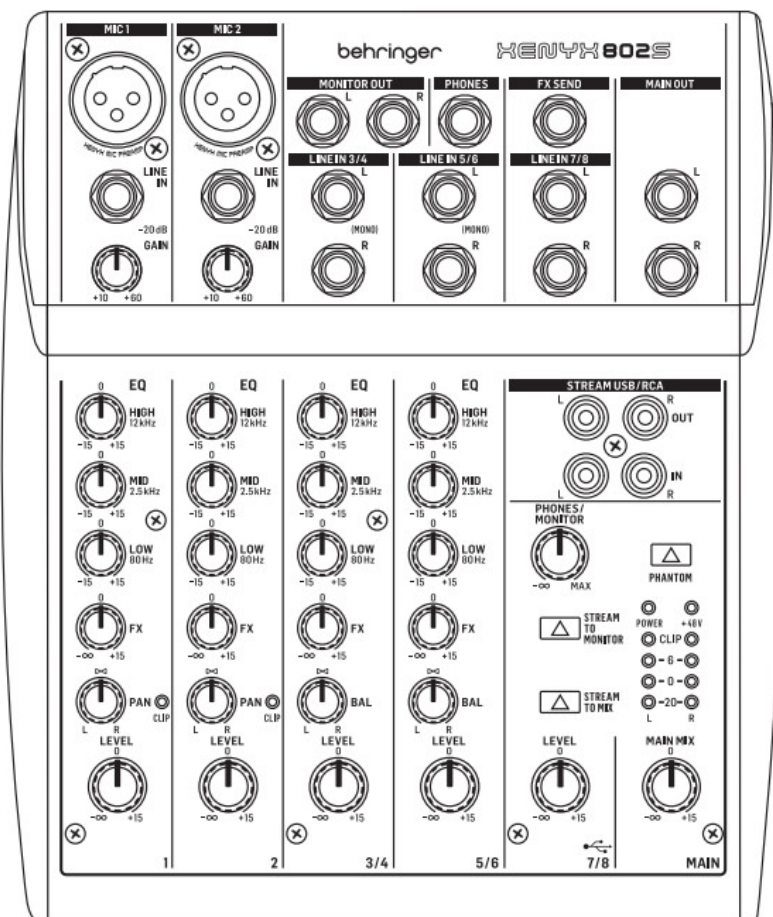
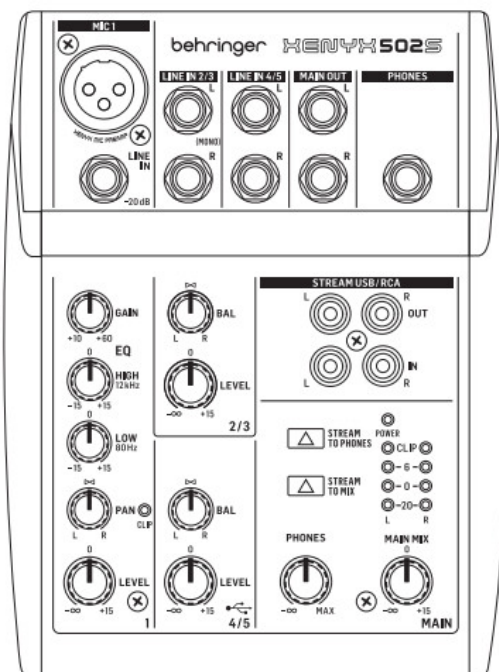




## behringer XENYX 502S Premium Analog 5-8-Input Mixer with USB Streaming Interface User Guide

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## XENYX 502S/XENYX 802S

### Premium Analog 5/8-Input Mixer with USB Streaming Interface

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### Important Safety Instructions



**CAUTION**  
**RISK OF ELECTRIC SHOCK!**  
**DO NOT OPEN!**



Terminals marked with this symbol carry electrical current of sufficient magnitude to constitute 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 modification 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for 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 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.

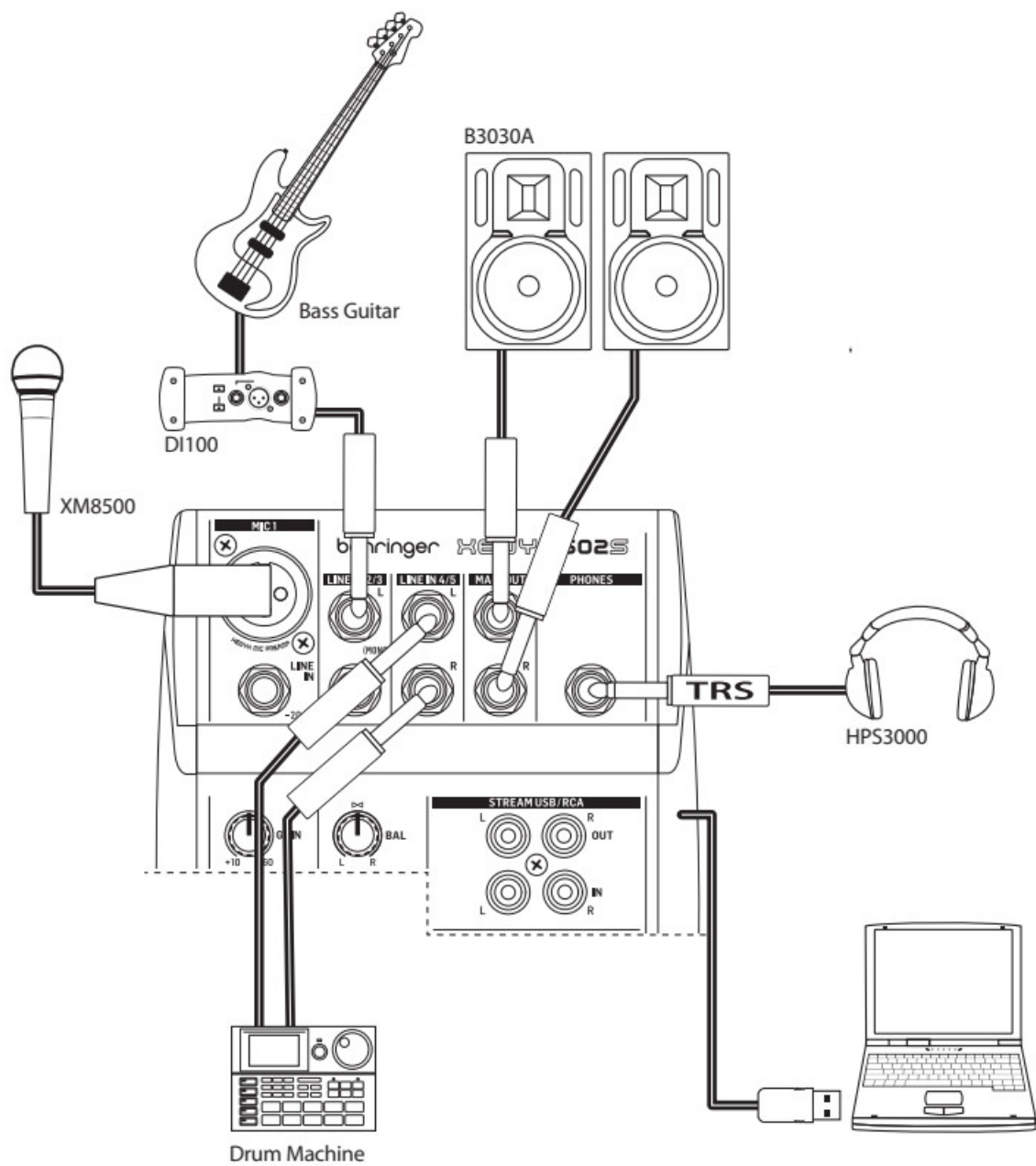
#### LEGAL DISCLAIMER

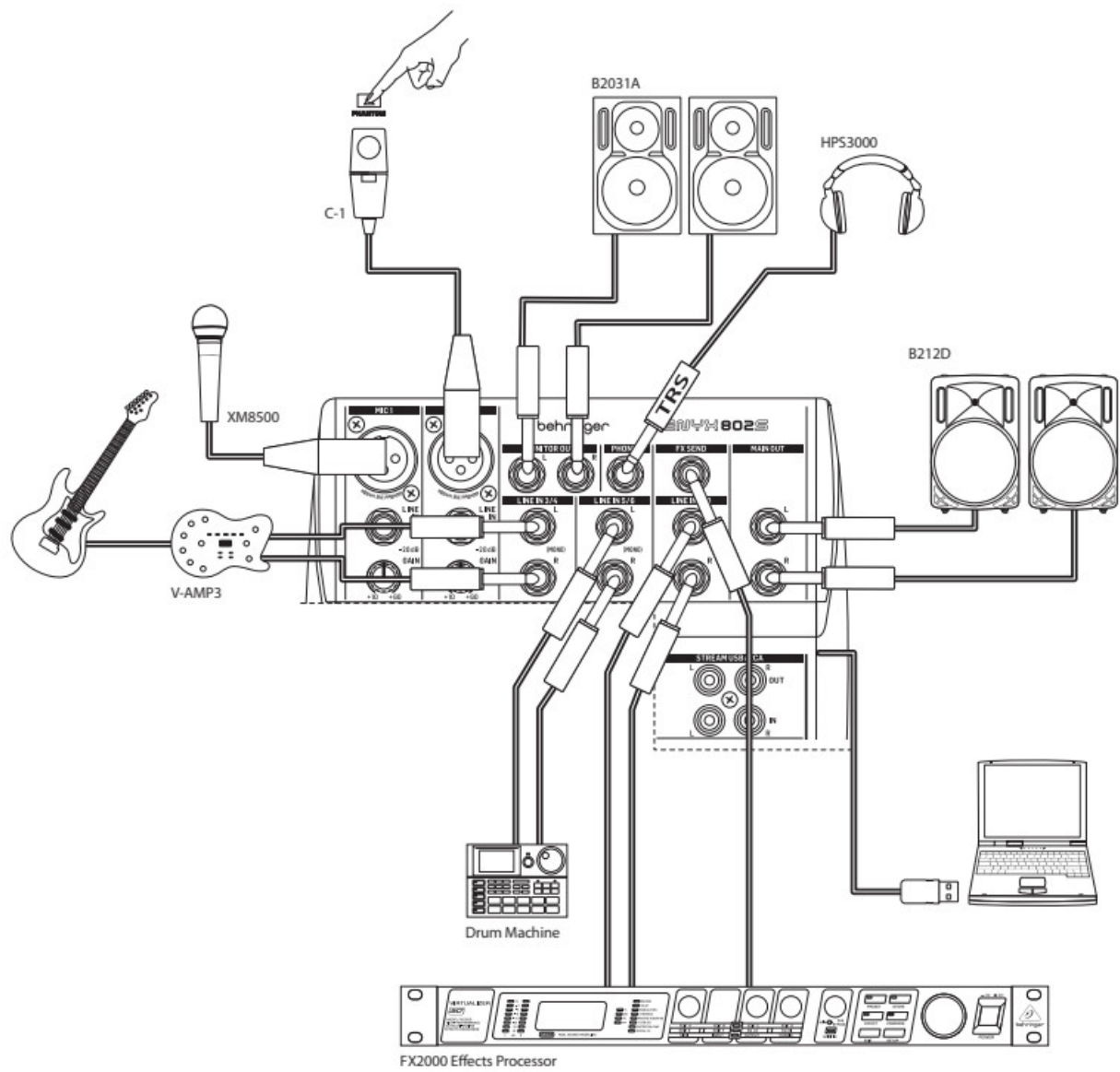
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#### LIMITED WARRANTY

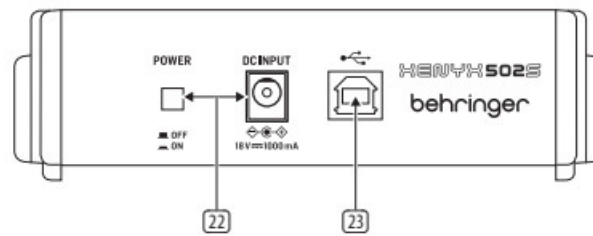
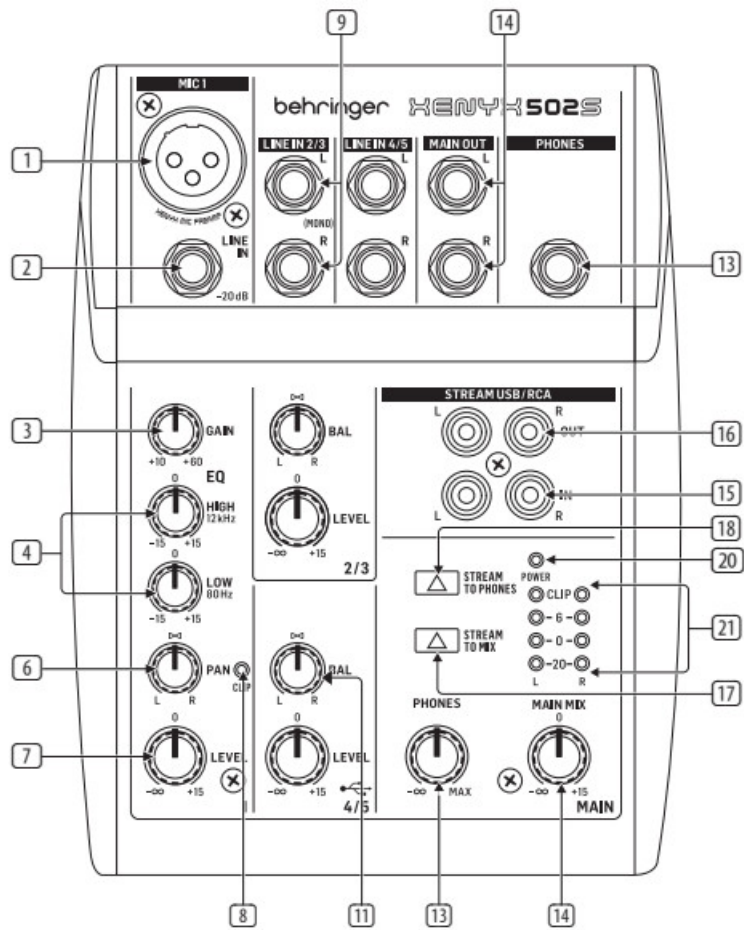
For the applicable warranty terms and conditions and additional information regarding Music Tribe's Limited Warranty, please see complete details online at [community.musictribe.com/pages/support#warranty](https://community.musictribe.com/pages/support#warranty).

#### XENYX 502S/XENYX 802S Hook-up

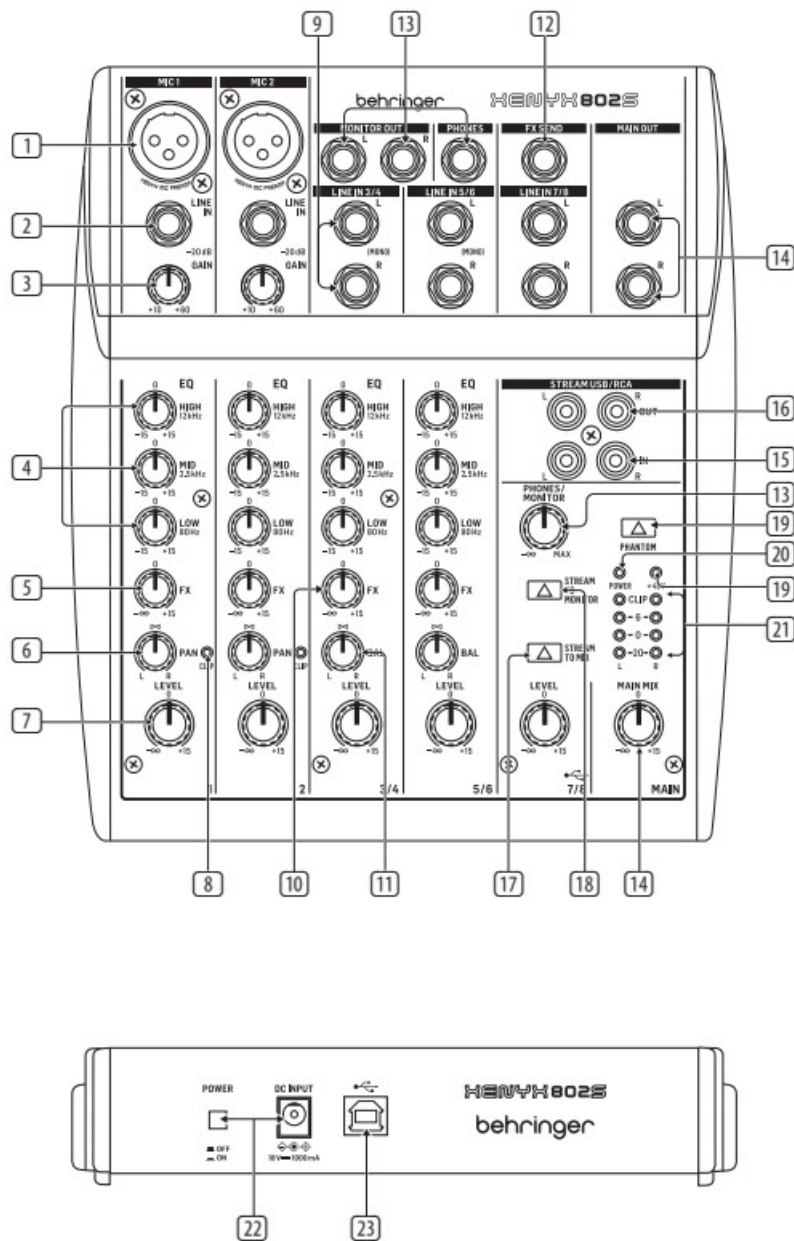




## XENYX 502S/XENYX 802S Controls







This chapter describes the various control elements of your mixing console. All controls, switches and connectors will be discussed in detail.

1. MIC – Each mono input channel offers a balanced microphone input via the XLR connector and also features switchable +48 V phantom power supply for condenser microphones (802S). The preamps provide undistorted and noise-free gain as is typically known only from costly outboard preamps.
2. LINE IN – Each mono input also features a balanced line input on a 1/4" connector. Unbalanced devices (mono jacks) can also be connected to these inputs. Please remember that you can only use either the microphone or the line input of a channel at any one time. You can never use both simultaneously!
3. GAIN – Use the GAIN control to adjust the input gain. This control should always be turned fully counterclockwise whenever you connect or disconnect a signal source to one of the inputs.
4. EQUALIZER – All mono input channels include a 3-band equalizer, except for the 502S, which is equipped with a 2-band EQ. All bands provide boost or cut of up to 15 dB. In the central position, the equalizer is inactive.
5. FX (802S only) – FX sends (or AUX sends) enable you to feed signals via a variable control from one or more channels and sum these signals to a bus. The bus appears at the console's FX send output and can be fed from there to an external effects device. The return from the effects unit is then brought back into the console



on the normal channel inputs or the simplified channels 7 & 8 on the 802S. Each FX send is mono and features up to +15 dB gain.

6. PAN – The PAN control determines the position of the channel signal within the stereo image. This control features a constant-power characteristic, which means the signal is always maintained at a constant level, irrespective of position in the stereo panorama.
7. LEVEL – The LEVEL control determines the level of the channel signal in the main mix. (8) CLIP – The CLIP LEDs of the mono channels illuminate when the input signal is driven too high, which could cause distortion. If this happens, use the GAIN control to reduce the preamp level until the LED does not light anymore.
8. LINE IN – Each stereo channel has two balanced line level inputs on 1/4" jacks for left and right channels. If only the jack marked "L" (left) is used, the channel operates in mono. The stereo channels are designed to handle typical line level signals. Both inputs will also accept unbalanced jacks. The last pair of LINE IN channels (4 & 5 for 502S and 7 & 8

## XENYX 502S/XENYX 802S Getting started

### Step 3: Getting started

To correctly set the gains of the channels, first set the LEVEL controls of the input channels to their center positions (0 dB). Then use the GAIN controls to increase the input amplification until signal peaks show 0 dB on the level meter.

When recording to digital recorders, the recorder's peak meter should not go into overload. While analog recorders can be overloaded to some extent, creating only a certain amount of distortion (which is common and often desirable), digital recorders distort quickly when overloaded.

In addition, digital distortion is not only undesirable, but also renders your recording completely useless.

The peak meters of your XENYX display the level virtually independent of frequency. A recording level of 0 dB is recommended for all signal types.

## Specifications

XENYX 502S XENY10102S	
r Mono Inputs	
Microphone Input	Balanced AIR, discrete input circuit
Mic EIN (20 Hz-20 kHz) @SO 0	132dB, A-weighted
Frequency response Gain +10 dB	10 Hz to 150 kHz
Frequency response Gain +60 dB	20 Hz to 70 kHz
Gain range	+10 dB to +60 dB
Max input level @ +10 dB Gain	+12 dBu
Input Impedance	2 kΩ balanced
Distortion (THD + N) 1 kHz @ +10 dB Gain	0.005%
Mono Line Inputs	1/4" TRS connector balanced
Impedance	22 kΩ balanced, 10 kΩ unbalanced

Gain range	-10 dB to +40 dB
Max input level @ 0 dB Gain	+21 dBu
Stereo Inputs	
Stereo Line	14" IRS connector balanced
Frequency response	20Hz to 200kHz
Impedance	22 k $\Omega$ balanced, 10 k $\Omega$ unbalanced
Max input level @ 0 dB Gain	+21 dBu
STREAM Inputs (Analog)	RCA connector unbalanced
Impedance	10 k $\Omega$ unbalanced
Max input level	10dBu
EQUALIZER	BO Hz/ $\pm$ 15 dB 80 Hz/ $\pm$ 15 dB
Low	
Mid	
High	12 kHz/ $\pm$ 15 dB 12 kHz/ $\pm$ 15 dB
Main, Monitor & F X Send Outputs	
Type	14" IRS connector Impedance-balanced
Impedance	1200
Max output level Phones Out Type	21 dBu 1/4" TRS connector unbalanced
Impedance	230
Max output level	19 dBu/150 $\Omega$
STREAM out (Analog)	
Type	RCA connector unbalanced
Impedance	1 k $\Omega$ unbalanced
Max output level	10 dBu

## Other important information

### 1. Register online.

Please register your new Music Tribe equipment right after you purchase it by visiting [musictribe.com](https://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.

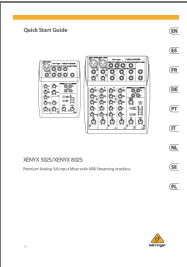
Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under “Support” at [musictribe.com](https://musictribe.com). Should your country not be listed, please check if your problem can be dealt with by our “Online Support” which may also be found under “Support” at [musictribe.com](https://musictribe.com). Alternatively, please submit an online warranty claim at [musictribe.com](https://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.



## Documents / Resources

	<p><a href="#">behringer XENYX 502S Premium Analog 5-8-Input Mixer with USB Streaming Interface</a> [pdf] User Guide</p> <p>XENYX 502S, XENYX 802S, XENYX 502S Premium Analog 5-8-Input Mixer with USB Streaming Interface, XENYX 502S, Premium Analog 5-8-Input Mixer with USB Streaming Interface, USB Streaming Interface, Streaming Interface, Interface, Premium Analog 5-8-Input Mixer, Analog 5-8-Input Mixer, 5-8-Input Mixer, Mixer</p>
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## References

-  [Music Tribe](#)
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