

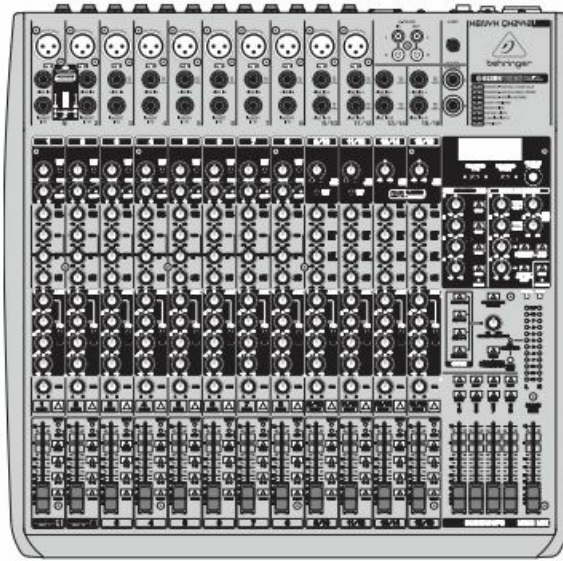


behringer QX2442USB USB 24 Channel USB Mixer with Multi FX Processor User Guide

[Home](#) » [Behringer](#) » behringer QX2442USB USB 24 Channel USB Mixer with Multi FX Processor User Guide 

behringer QX2442USB USB 24 Channel USB Mixer
with Multi FX Processor User Guide

Quick Start Guide



XENYX QX2442USB


Premium 24-Input 4/2-Bus Mixer with XENYX Mic Preamps & Compressors,
Klark Teknik Multi-FX Processor, Wireless Option and USB/Audio Interface


Contents

- 1 Important Safety Instructions
- 2 XENYX QX2442USB Hook-up
- 3 XENYX QX2442USB Controls
- 4 XENYX QX2442USB Getting started
- 5 XENYX QX2442USB Gain Setting
- 6 XENYX QX2442USB Multi-FX Processor
- 7 Multi-FX Processor Preset Chart
- 8 Specifications
- 9 Other important information
- 10 FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION
- 11 Documents / Resources
 - 11.1 References

Important Safety Instructions



 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 ¼" 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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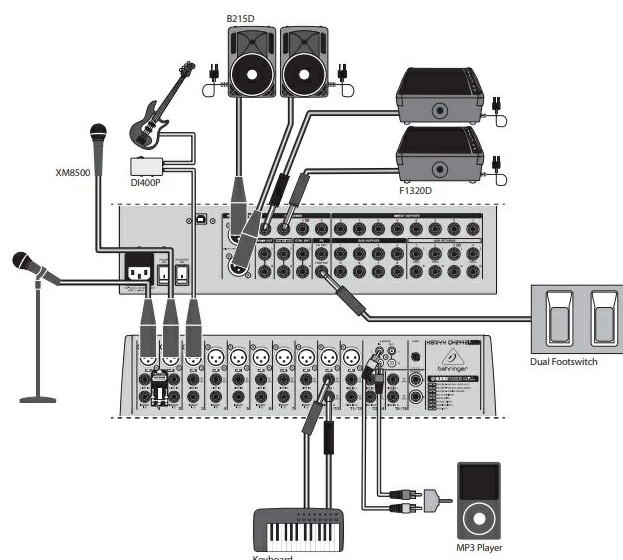
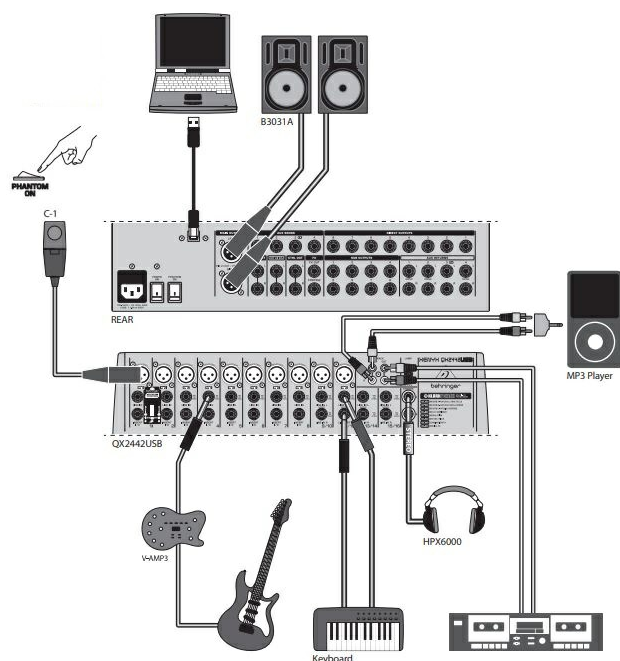
LIMITED WARRANTY

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.

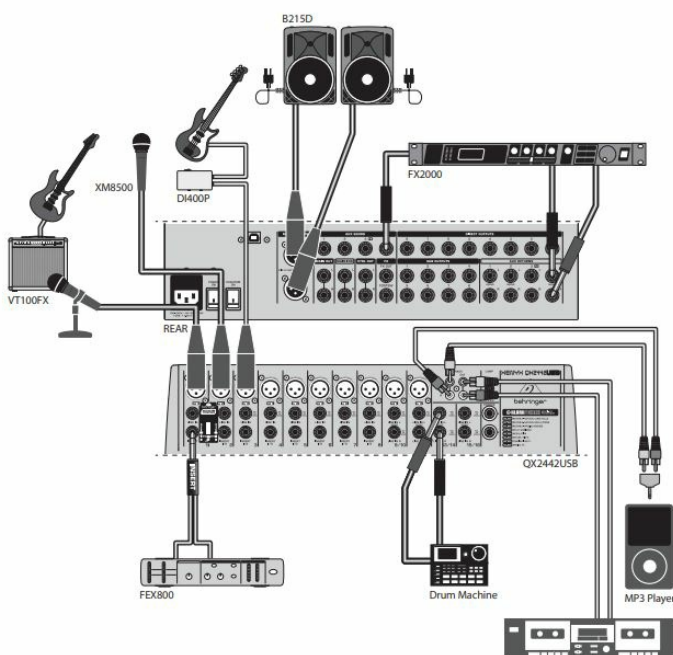
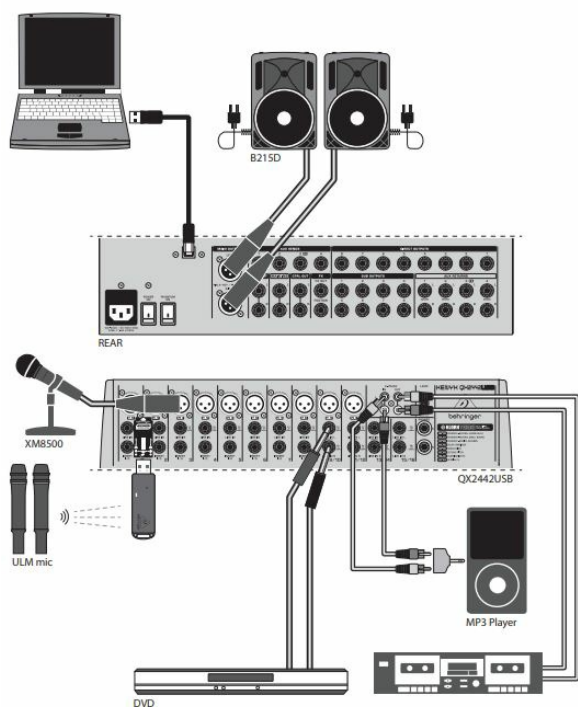
XENYX QX2442USB Hook-up

Step 1: Hook-Up

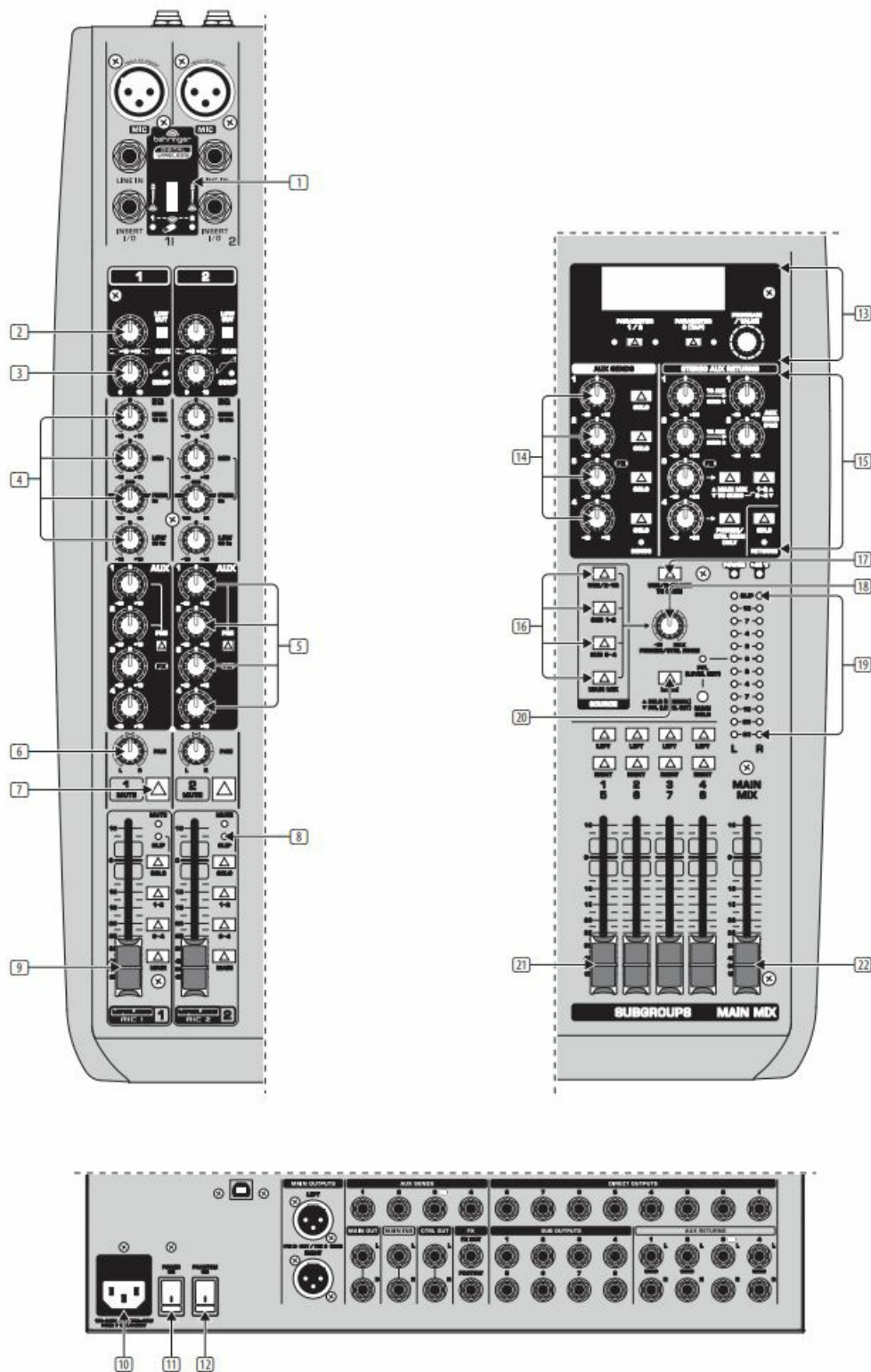
Project studio Band or small church with stage monitors



Business/ multimedia presentation
Band or small church with external effects



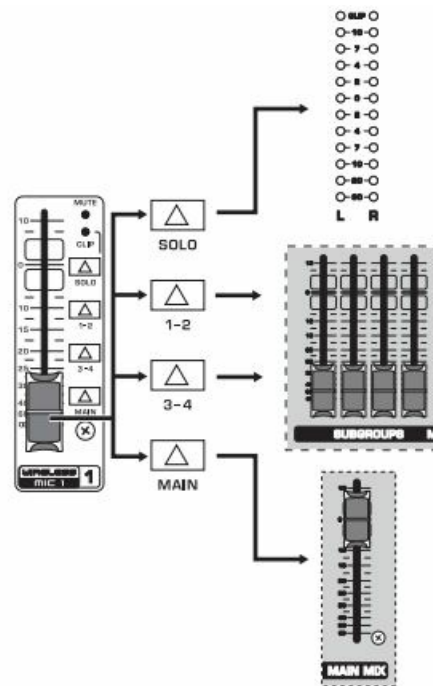
XENYX QX2442USB Controls



Step 2: Controls

1. USB wireless input accepts a USB receiver for use with Behringer ULM wireless microphones.
2. GAIN knob adjusts the sensitivity of the MIC and/or LINE inputs.
3. COMP knob adjusts the amount of compression effect on the channel.
4. EQ knobs adjust the high, mid and low frequencies of the channel. Adjust the FREQ knob to select the specific frequency adjusted by the MID knob.
5. AUX knobs adjust how much of the channel's signal routes to the AUX SEND jacks.
Press the PRE button when routing the signal to a stage monitor. Use the FX knob to send the channel's signal to the internal multi-FX processor.

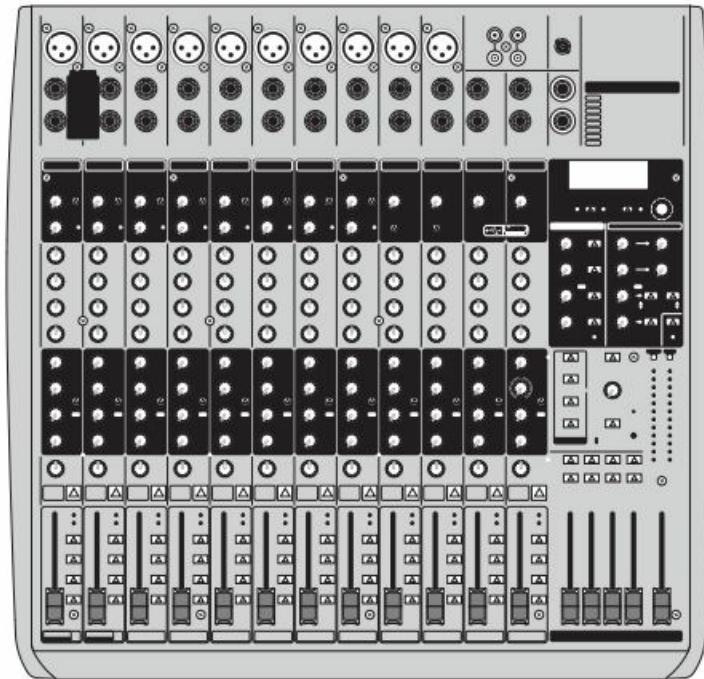
6. PAN/BAL knob positions the channel in the stereo field.
7. MUTE button mutes the channel.
8. CLIP LED lights when the channel signal overloads.
9. CHANNEL FADER adjusts the channel volume.



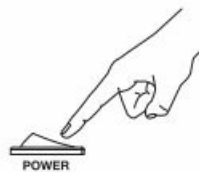
10. AC IN accepts the included power cable for connection to a mains outlet.
11. POWER ON switch turns the mixer on and off.
12. PHANTOM ON switch sends 48 V to the XLR inputs for use with condenser microphones.
13. MULTI-FX PROCESSOR adds a selected sound effect to any channels whose FX knob is turned up. See the Multi-FX Processor section for details.
14. AUX SENDS adjust the amount of signal sent to a monitor speaker or external effects processor via the AUX SEND jacks.
15. AUX RETURNS adjust the amount of signal returning from an external effects processor that is included in the main mix. Use the TO AUX SEND knob(s) to include the effects signal in your monitor mix as well.
16. SOURCE buttons route the USB/2-TR, SUB, and MAIN MIX to the PHONES and CONTROL ROOM jacks.
17. USB/2-TR TO MAIN button routes the USB and 2-TRACK signal to the MAIN MIX.
18. PHONES/CTRL ROOM knob adjusts the headphone or studio monitor volume.
19. VU METER displays the MAIN OUTPUT signal level.
20. MODE button determines whether the channel's SOLO button operates as 'Solo in Place' (button out) or 'Pre-Fader Listen' (button in). PFL is preferred for gain setting purposes.
21. SUB faders adjust the output of the SUB OUTPUT jacks. Use the LEFT/RIGHT buttons to assign the SUB signal to the left and/or right MAIN MIX.
22. MAIN MIX fader adjusts the overall output of the mixer.

XENYX QX2442USB Getting started

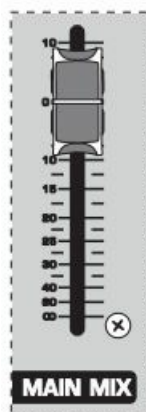
Step 3: Getting started



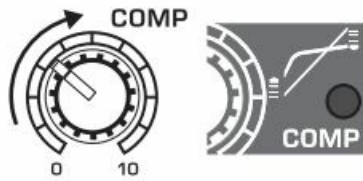
1. Make sure the power to all devices is turned off!
2. Connect all the appropriate power, audio and USB cables to the mixer.
3. Set all controls as shown above (EQ and PAN/BAL cantered, all others down/off).
4. Turn the mixer on.



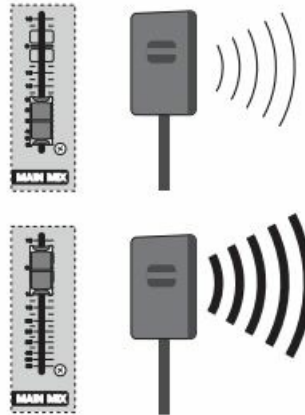
5. Set the GAIN for each channel. See the Gain Setting section for details.
6. With the MAIN MIX fader and PHONES/CTRL ROOM knob all the way down, turn your PA system or powered monitors on.
7. Slowly raise the MAIN MIX fader or PHONES/CTRL ROOM knob to desired level.
8. Press the MAIN button on each channel to assign the channel to the MAIN MIX.



9. Adjust the relative level of various microphones and instruments by raising each CHANNEL FADER.
10. Adjust the left-right position of a channel in the stereo field if necessary by turning the channel's PAN or BAL knob.
11. Adjust the COMP knob to add compression to an input if necessary.



12. For live applications, adjust the overall output from the mixer to the power amp or powered speakers by raising the MAIN MIX fader. If the red CLIP LEDs on the VU METER light, lower the MAIN MIX fader.



13. Use the channel AUX knobs and master AUX SEND knobs to send the channel signals to an effects processor or stage monitor connected to the AUX SEND jacks. If used for effects, route the signal back from the processor to the AUX RETURN jacks.

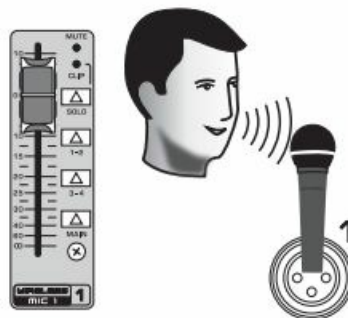
XENYX QX2442USB Gain Setting

Step 4: Gain Setting

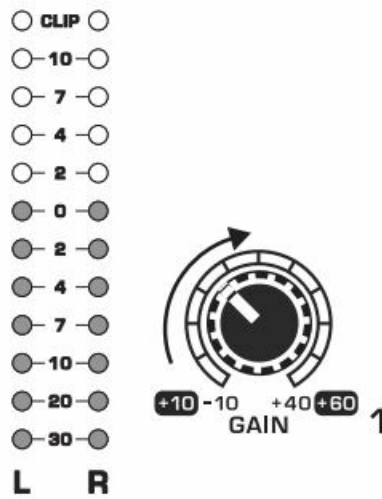
1. Press the Channel 1 SOLO button.

Press the MODE button next to the VU METER to allow the METER to operate in PFL (pre-fader listen) mode.

2. Sing, speak or play at a normal level through the microphone or instrument connected to Channel 1.



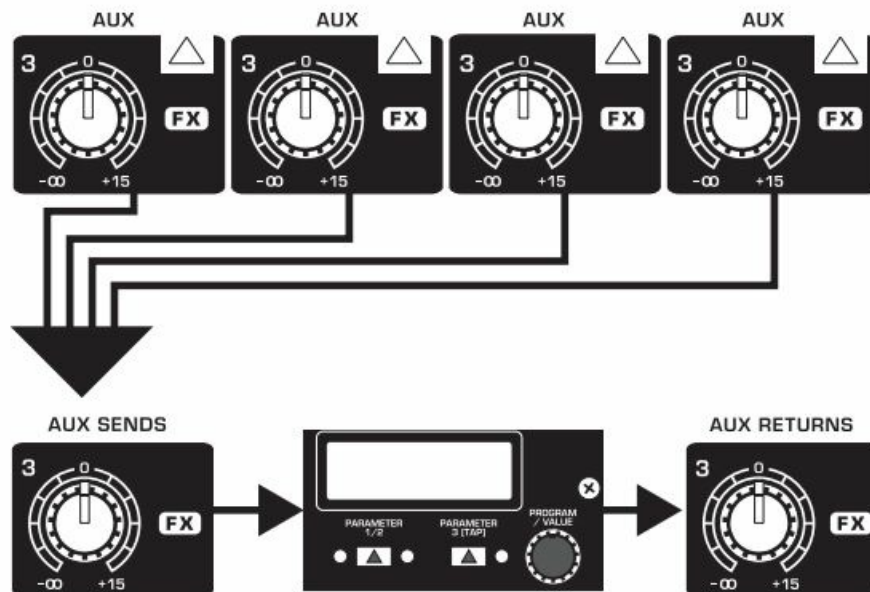
3. While singing or playing, turn Channel 1's GAIN control. The VU METER will display the signal level. Set the GAIN control so that the loudest peaks reach 0 on the VU METER. Press the Channel 1 SOLO button again.



4. Repeat steps 1-3 for any other channels that will be used.

XENYX QX2442USB Multi-FX Processor

Step 5: Multi-FX Processor



Your mixer has a built-in processor.

Follow these steps to add an effect to one or more channels.

1. Turn the FX knob up half way on each channel to which you would like to add an effect.
2. Turn the FX AUX SEND and FX AUX RETURN knobs to 0. You may adjust them later.
3. Scroll through the effects by turning the PROGRAM knob. The preset name will flash in the display. Press the PROGRAM knob to select the effect.
4. Adjust parameter 1 and 2:
 - After you have selected a preset (step 3), press the PARAM 1/2 button to enter Edit Mode. The LED on the left side of the PARAM 1/2 button will light to indicate parameter 1 is active.
 - Turn the PROGRAM knob to adjust the parameter.
 - After 4 seconds of inactivity, the mixer exits Edit Mode. You can also press the PROGRAM knob to manually exit Edit Mode.
 - Repeat the steps, using PARAM 1/2 button to select parameter 2 for editing.

5. Adjust parameter 3:

- After you have selected a preset, press the PARAM 3/TAP button to enter Edit Mode. Depending on the parameter for the selected effect, the LED will either indicate the A/B value status of the parameter, or blink to show the current BPM/tempo.
- Press the PARAM 3/TAP button to change the parameter A/B status, or press several times in rhythm to set a new BPM/tempo if applicable.
- After 4 seconds of inactivity, the mixer exits Edit Mode. You can also press the PROGRAM knob to manually exit Edit Mode.

6. Readjust each channel's FX knob to make sure the right amount of effect is added. If the OL (overload) meter segment lights in the display, turn the FX AUX SEND knob down.

7. The FX FOOTSW(itch) jack accepts a one-button footswitch for FX bypass, and dual footswitch for bypass and PARAM 3/TAP adjustment (A/B select or tap tempo).

8. The FX OUT jack sends the "wet" signal from the internal FX processor.

Multi-FX Processor Preset Chart

#	Preset Name	Param. 1	Range	Param. 2	Range	Param. 3/TAP	Range (LED indication)
01 – 04 REVERB A – NATURAL LARGE HALLS							
01	CHURCH	Decay Time	1.00 to 10.00	Room Shape	1 to 50	Damping	DARK (off) / BRIGHT (on)
02	CONCERT HALL 1	Decay Time	0.50 to 5.00	Chorus	1 to 30	Damping	DARK (off) / BRIGHT (on)
03	CONCERT HALL 2	Decay Time	1.00 to 5.00	Early Refl. Level	-12 to +12	Damping	DARK (off) / BRIGHT (on)
04	THEATER	Decay Time	0.40 to 3.00	Depth	0 to 9	Damping	DARK (off) / BRIGHT (on)
05 – 08 REVERB B – NATURAL SMALL ROOMS							
05	ROOM 1	Decay Time	0.50 to 5.00	Density	0 to 100	Damping	DARK (off) / BRIGHT (on)
06	ROOM 2	Decay Time	0.30 to 2.50	Pre Delay	0 to 50	Damping	DARK (off) / BRIGHT (on)
07	ROOM 3	Decay Time	0.20 to 10.00	Pre Delay	0 to 200	Position	FRONT (off) / REAR (on)
08	CHAMBER	Decay Time	0.10 to 3.00	Room Size	1 to 30	Damping	DARK (off) / BRIGHT (on)
09 – 15 REVERB C – SPECIAL REVERBS							
09	VINTAGE DIGITAL REVERB	Decay Time	0.40 to 4.50	High Freq. Damping	X 0.25, 0.33, 0.50, Max	Out Select	REAR (off) / FRONT (on)
10	PLATE REVERB 1	Decay Time	0.50 to 3.00	Pre Delay	0 to 40	Damping	DARK (off) / BRIGHT (on)
11	PLATE REVERB 2	Decay Time	0.30 to 4.00	Pre Delay	0 to 40	Damping	DARK (off) / BRIGHT (on)
12	SPRING REVERB	Decay Time	1.00 to 4.00	Pre Delay	0 to 150	Type	VINTAGE (off) / MODERN (on)
13	GATED REVERB 1	Decay Time	1 to 12	Pre Delay	0 to 400	Type	ALIVE (off) / GATED (on)
14	GATED REVERB 2	Decay Time	1 to 20	Pre Delay	0 to 30	Damping	DARK (off) / BRIGHT (on)
15	REVERSED REVERB	Decay Time	1 to 20	Pre Delay	0 to 30	Damping	DARK (off) / BRIGHT (on)
16 – 19 DELAY / AMBIENCE							
16	DELAY	Feedback	0 to 100	Mode	Mono, Pingpong, Spread	Delay Tempo	72 to 500 (blink @ tempo)
17	ECHO	Feedback	0 to 100	Damping	1 to 50	Echo Tempo	72 to 500 (blink @ tempo)
18	AMBIENCE	Room Size	1 to 30	Tail Gain	0 to 100	Damping	DARK (off) / BRIGHT (on)
19	EARLY REFLECTIONS	Room Size	1 to 30	Diffusion	1 to 20	Damping	DARK (off) / BRIGHT (on)

#	Preset Name	Param. 1	Range	Param. 2	Range	Param. 3/TAP	Range (LED indication)
20 – 23 MODULATION							
20	CHORUS	Depth	-20 to +20	LFO Speed	0.05 to 5.00	LFO Waveform	TRIANGLE (off), SINE (on)
21	FLANGER	Depth	-20 to +20	Resonance	-100 to +100	Mod Tempo	5 to 400 (blink @ tempo)
22	PHASER	Depth	-20 to +20	Resonance	1 to 50	Mod Tempo	5 to 400 (blink @ tempo)
23	AUTO-PAN / TREMOLO	Depth	-100 to +100	LFO Waveform	Triangle, Ramp, Square	Mod Tempo	5 to 400 (blink @ tempo)
24 – 26 DETUNE / PITCH							
24	DETUNE	Detune	-99 to +99	PreDelay	0 to 300	Damping	DARK (off) / BRIGHT (on)
25	PITCH SHIFTER 1	Note Shift	-12 to +12	PreDelay	0 to 300	Detune	0 (off) / 20 (on)
26	PITCH SHIFTER 2 (DUAL)	Note Shift A	-12 to +12	Note Shift B	-12 to +12	Stereo Spread	NARROW (off) / WIDE (on)
27 – 29 COMBI-FX							
27	DELAY + CHORUS	Delay<>Chorus Balance	-50 to +50	Chorus Depth	-20 to +20	Delay Tempo	75 to 500 (blink @ tempo)
28	DELAY + REVERB	Delay<>Reverb Balance	-50 to +50	Reverb Decay	1.00 to 5.00	Delay Tempo	114 to 500 (blink @ tempo)
29	CHORUS + REVERB	Chorus<>Reverb Balance	-50 to +50	Reverb Decay	1.00 to 5.00	Chorus Depth	SOFT (off) / DEEP (on)
30 – 32 SPECIAL FX							
30	LFO LOW-PASS FILTER	Depth	-20 to +20	Resonance	1 to 30	LFO Tempo	5 to 400 (blink @ tempo)
31	TALKBOX	Vowel 1	A, E, I, O, U	Vowel 2	A, E, I, O, U	LFO Tempo	5 to 400 (blink @ tempo)
32	CLIPPER DISTORTION	Distortion	1 to 100	Low Cut Filter	50.0 to 500.0	Damping	DARK (off) / BRIGHT (on)

Specifications

Mono Inputs	
Microphone inputs (XENYX Mic preamp)	10
Type	XLR connector, balanced, discrete input circuit
Mic E.I.N. (20 Hz - 20 kHz)	
@ 0 Ω source resistance	-134 dB / -136 dB A-weighted
@ 50 Ω source resistance	-131 dB / -133 dB A-weighted
@ 150 Ω source resistance	-129 dB / -131 dB A-weighted
Frequency response (-1 dB)	<10 Hz - 150 kHz (-1 dB)
Frequency response (-3 dB)	<10 Hz - 200 kHz (-3 dB)
Gain range	+10 dB to +60 dB
Max. input level	+12 dBu @ +10 dB gain
Impedance	2 k Ω balanced
Signal-to-noise ratio	108 dB / 110 dB A-weighted (0 dBu In @ +22 dB gain)
Distortion (THD+N)	0.005% / 0.004% A-weighted
Phantom power	Switchable, +48 V
Line Input	
Type	¼" TRS connector, balanced
Impedance	20 k Ω balanced, 10 k Ω unbalanced
Gain range	-10 dB to +40 dB
Max. input level	30 dBu
Frequency Response (Mic In → Main Out)	
<10 Hz - 160 kHz	±3 dB
Stereo Inputs	
Type	4 x ¼" TRS connector, balanced
Impedance	20 k Ω balanced, 10 k Ω unbalanced
Gain range	-20 dB to +20 dB
Max. input level	+22 dBu
2-Track In	
Type	RCA connector
Impedance	10 k Ω
Max. input level	+22 dBu
Equalizer 3-Band	
Equalizer 3-Band Semi-Parametric	
Low	80 Hz / ±15 dB
Mid	Variable 100 Hz - 8 kHz / ±15 dB
High	12 kHz / ±15 dB
Equalizer 4-Band Fixed	
Low	80 Hz / ±15 dB
Low mid	500 Hz / ±15 dB
High mid	3 kHz / ±15 dB
High	12 kHz / ±15 dB
Channel Inserts	
Type	¼" TRS connector, unbalanced
Max. input level	+22 dBu
AUX Sends	
Type	4 x ¼" TRS connector, balanced
Impedance	120 Ω
Max. output level	+22 dBu
AUX Returns	
Type	4 x ¼" TRS connector, balanced
Impedance	20 k Ω balanced, 10 k Ω unbalanced
Max. input level	+22 dBu
Main Outputs	
Type	XLR connector, balanced
Impedance	240 Ω balanced, 120 Ω unbalanced
Max. output level	+28 dBu
Control Room Output	
Type	¼" TRS connector, balanced
Impedance	120 Ω
Max. output level	+22 dBu
Phones Output	
Type	¼" TRS connector, unbalanced
Impedance	25 Ω
Max. output level	+21 dBu / 150 Ω (+25 dBm)
2-Track Out	
Type	RCA connector
Impedance	1 k Ω
Max. output level	+22 dBu
DSP	
Type	Klark Teknik
Converter	24-bit Sigma-Delta
	64/128-times oversampling
Sampling rate	40 kHz
Wireless Input	
USB dongle	Accepts signals from 2 independent Behringer ULM mics
Main Mix System Data (Noise)	
Main mix @ -∞, channel fader @ -∞	-102 dB / -105 dB A-weighted
Main mix @ 0 dB, channel fader @ -∞	-85 dB / -88 dB A-weighted
Main mix @ 0 dB, channel fader @ 0 dB	-77 dB / -79 dB A-weighted
Power Supply	
Mains voltage	100 – 240 V~, 50/60 Hz
Power consumption	50 W
Fuse (100 - 240 V~, 50/60 Hz)	T 1.6 A H 250 V
Mains connector	Standard IEC receptacle
USB	
Connector	Type B
Audio	Stereo in/out
Converter	16-bit
Sample rate	48 kHz
Physical/Weight	
Dimensions (W x D x H)	17.5 x 17.3 x 5.5" / 445 x 440 x 140 mm
Weight	12.6 lbs / 5.7 kg

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 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

Behringer
XENYX QX2442USB

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 QX2442USB

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 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 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.

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: 8th Floor, 20 Farringdon Street London EC4A 4AB, United Kingdom

We Hear You

Documents / Resources

	<p>behringer QX2442USB USB 24 Channel USB Mixer with Multi FX Processor [pdf] User Guide</p> <p>QX2442USB USB 24 Channel USB Mixer with Multi FX Processor, QX2442USB, USB 24 Channel USB Mixer with Multi FX Processor, Channel USB Mixer with Multi FX Processor, USB Mixer with Multi FX Processor, with Multi FX Processor, Multi FX Processor, FX Processor, Processor</p>
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References

- [m Music Tribe](#)
- [m Music Tribe](#)
- [m Music Tribe](#)
- [m Music Tribe](#)
- [User Manual](#)

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

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