Manuals+ — User Manuals Simplified.

behringer STUDIO-XL High-End Studio Control and Communication Center with Midas Preamps User Guide

Contents

behringer

Behringer STUDIO-XL High-End Studio Control and Communication Center with Midas Preamps

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.

CAUTIONS

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 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.
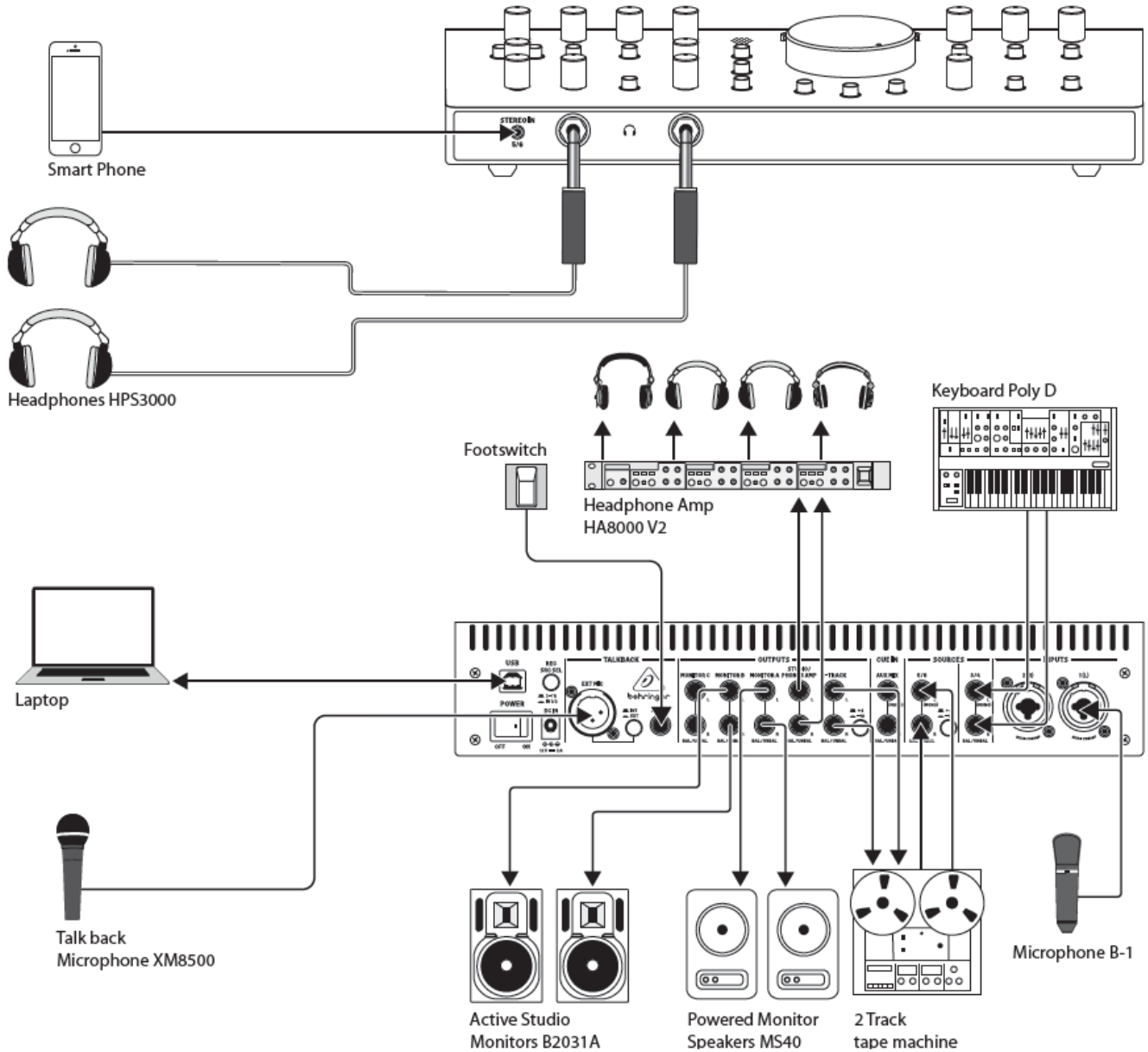
LEGAL DISCLAIMER

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.

STUDIO L & XL Hook-up

Step 1: Hook-Up

Step 2: Controls
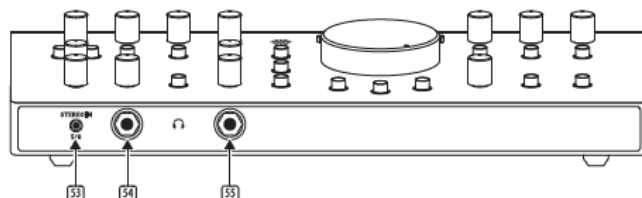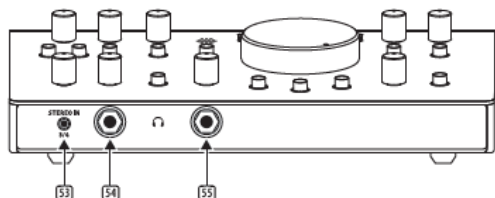
① **INPUT 1 GAIN** – control allows gain to be applied to the input signal.

② **INPUT 2 GAIN** – control allows gain to be applied to the input signal.

③ **48 V** – applies 48 V phantom power to inputs 1 and 2.

④ **STEREO** – switches inputs 1 and 2 to be either mono or stereo.

⑤ **INPUT 1/2 SELECT** – selects input 1/2 as the monitor source.

⑥ **TRIM 3/4** – ±12 dB level control for line inputs 3/4.
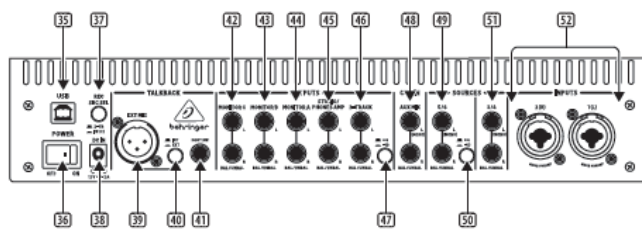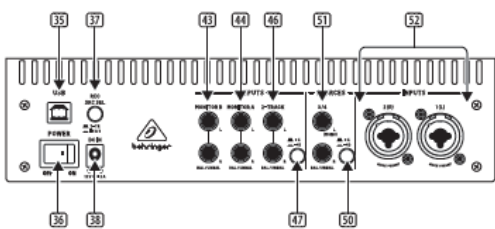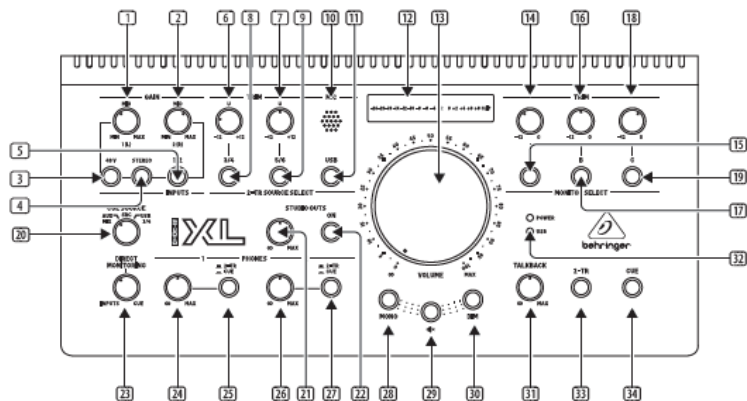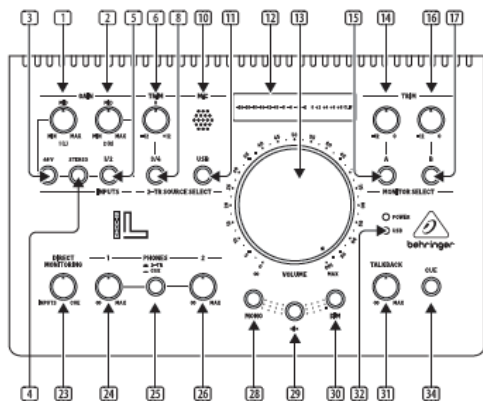
⑦ **TRIM 5/6** – ±12 dB level control for line inputs 5/6 (STUDIO XL only).

⑧ **INPUT 3/4 SELECT** – selects input 3/4 as the monitor source.

⑨ **INPUT 5/6 SELECT** – selects input 5/6 as the monitor source (STUDIO XL only).

⑩ **MIC** – used to communicate with 2 track (STUDIO XL only) or cue talkback output.

⑪ **USB SELECT** – selects USB 1/2 as the monitor source.

⑫ **METER** – displays the current level from the selected source.

⑬ **VOLUME CONTROL** – controls the levels sent to the monitor outputs.

⑭ **MONITOR A TRIM** – adjust the output level of MONITOR A from -12 dB to 0 dB.

⑮ **MONITOR A SELECT** – activates or deactivates the speakers connected to MONITOR A.

⑯ **MONITOR B TRIM** – adjust the output level of MONITOR B from -12 dB to 0 dB.

⑰ **MONITOR B SELECT** – activates or deactivates the speakers connected to MONITOR B.

⑱ **MONITOR C TRIM** – adjust the output level of MONITOR C from -12 dB to 0 dB. (STUDIO XL only).

⑲ **MONITOR C SELECT** – activates or deactivates the speakers connected to MONITOR C. (STUDIO XL only).

⑳ **CUE SOURCE** – select either Aux Mix input, selected 2-TR Source, or USB input 3/4 to be sent to the cue bus (STUDIO XL only).

㉑ **STUDIO OUT CONTROL** – sets the level of the Studio Out (STUDIO XL only).

㉒ **STUDIO OUT ON** – activates or deactivates the Studio Outputs (STUDIO XL only).

㉓ **INPUTS/CUE** – blends between the input sources and the cue bus signal.

㉔ **PHONES 1 LEVEL** – sets the level of headphone output 1.

㉕ **PHONES 2TR/CUE** – selects either the 2-track source or the cue bus source (for Phones 1+2 on STUDIO L, Phones 1 on STUDIO XL).

㉖ **PHONES 2 LEVEL** – sets the level of headphone output 2.

㉗ **PHONES 2 2TR/CUE** – selects either the 2-track source or the cue bus source (STUDIO XL only).

㉘ **MONO** – switch turns the stereo input signal into a monophonic signal out of the MONITOR speakers outputs.

㉙ **MUTE** – silences the signal going to the MONITOR speakers outputs.

㉚ **DIM** – reduces the signal going to the MONITOR speakers outputs by 20 dB.

㉛ **TALKBACK** – level control adjusts the gain of the TALKBACK MIC.

㉜ **POWER/USB** – These LEDs indicate if the device is powered on and there is an active USB connection to the computer.

㉝ **TO 2-TRACK** – button sends the TALKBACK MIC signal to the 2-TRACK output (STUDIO XL only).

㉞ **TO CUE** – sends the TALKBACK MIC signal to the Cue bus.

㉟ **USB** – connect to a computer to be used as a 2-in/2-out soundcard (STUDIO L) or a 2-in/4-out soundcard (STUDIO XL).

㊱ **POWER** – turns the unit on and off.

㊲ **REC SRC SEL** – button selects the record source as either 2-track or only inputs 1/2.

㊳ **DC INPUT** – connect the supplied power supply.

㊴ **EXT MIC** – input for an external microphone to be used for talkback (STUDIO XL only).

㊵ **TALKBACK SELECT** – selects either internal or external talkback microphone (STUDIO XL only).

㊶ **FOOTSW** – input for a standard footswitch to toggle the talkback on and off (STUDIO XL only).

㊷ **MONITOR C** – balanced or unbalanced line level MONITOR C output (STUDIO XL only).

㊸ **MONITOR B** – balanced or unbalanced line level MONITOR B output.

㊹ **MONITOR A** – balanced or unbalanced line level MONITOR A output.

㊺ **STUDIO/PHONES AMP** – balanced or unbalanced line level output (STUDIO XL only).

㊻ **2-TRACK** – balanced or unbalanced line level 2 TRACK output.

㊼ **+4/ −10** – switches the 2-TRACK output from +4 dB to −10 dB level.

㊽ **CUE IN** – balanced or unbalanced line level aux mix input (STUDIO XL only).

㊾ **INPUT 5/6** – balanced or unbalanced line level input (STUDIO XL only).

㊿ **+4/−10** – switches input 3/4 (STUDIO L) or 5/6 (STUDIO XL) from +4 dB to −10 dB level.

51 **INPUT 3/4** – balanced or unbalanced line level input.

52 **INPUT 1/2** – balanced or unbalanced mic or line level input.

53 **INPUT 3/4 STUDIO L OR 5/6 STUDIO XL** – 3.5 mm (⅛") balanced stereo line level input.

54 **HEADPHONES 1** – 6.35 mm (¼") jack.

55 **HEADPHONES 2** – 6.35 mm (¼") jack.

Step 3: Getting started

1. Push the POWER button on the rear panel to the OFF position (pushed out).
2. Turn the VOLUME and all TRIM controls to the far-left position.
3. Push all SOURCE SELECT, MONITOR SELECT, and routing switches to the out position.
4. Connect the included power cable to the input on the back panel.
5. Connect the USB from your DAW (Digital Audio Workstation) to your computer.
6. Connect active monitors or passive monitors via powered amp to the MONITOR OUT jacks A, B, and C (C STUDIO XL only).
7. Connect a headphone distribution amplifier to the rear STUDIO/PHONES AMP output jacks (STUDIO XL only).
8. Connect the 2-TRACK outputs to external recording devices to record the signal coming out of your INPUTS.
9. Please go to www.behringer.com to get the latest Windows driver for the STUDIO series. Mac users don't need to install any driver. To record Input 1 and 2 into a DAW via USB, press the REC SRC SEL button on the back of the unit. USB can still be used as a source at the same time without being recorded. To record the 2-track output, which is a combination of all sources, set the REC SRC SEL button out to 2-TR mode.
10. On STUDIO XL, CUE SOURCE can be set to AUX MIX (CUE IN), selected 2-TR SOURCE, or DAW OUTPUTS 3/4 via USB.

Setting the levels

1. With all external sources turned down or off, push the POWER button to the ON position.
2. Turn on external powered speakers, passive speaker amplifiers, and headphone amplifiers.
3. Select which monitor source you wish to hear by pushing the A, B, or C (C STUDIO XL only) button on the top panel.
4. Play a song from your DAW to test and adjust monitor levels. Adjust the monitor out TRIM level controls if necessary.
5. Adjust the gain on the selected input channel using its TRIM control. Gauge the amount of gain necessary by observing the level meter on the top panel.
6. Turn the VOLUME control up slowly. If the volume is lower than expected, adjust the TRIM control for the monitor option you selected (A, B or C).
7. If you have a headphone amplifier connected to the rear STUDIO/PHONES AMP output jacks, set the input level as required. Gradually turn up the volume on your headphone amplifier to an appropriate level
8. Each of the PHONES jacks on the front of the unit has dedicated volume control. Connect a pair of headphones to either of the phones jacks and adjust volume to preference.
9. To set the level for recording back to your DAW or external recording device, select the input source you wish to send on the top panel (deselect any other input sources to avoid potential feedback loop). Connect the 2-TRACK on the back panel to your external recording device and set the output level with the +4/-10 switch.
10. The built-in TALKBACK microphone signal can be routed to the CUE bus on both the STUDIO L and XL headphones 1/2 or to the 2-Track outputs (STUDIO XL only). Push the button of the destination you wish to address, then speak into the MIC. Make any adjustments to the signal by adjusting the TALKBACK control.
11. To adjust the volume of the speakers connected to the STUDIO OUT jacks, press the output button ON and turn the STUDIO OUT control on the top panel (STUDIO XL only).

Specifications

Inputs	6	4
Preamps	2 x Midas designed	
Type	2 x XLR / TRS combo connector (mic/line)	
Impedance	Mic: 3 kΩ / Line: 1 MΩ	
Line inputs	4 x 1/4″ TRS, balanced or unbalanced, +4/-10 dB (Input 5/6 only)	2 x 1/4″ TRS, balanced or unbalanced, +4/-10 dB
	1 x 1/8″ TRS stereo (input 5/6)	1 x 1/8″ TRS stereo (input 3/4)
Maximum input level	+22 dBu	
Talback input	1 x XLR	—
Footswitch	1 x 1/4″ TRS	—

Outputs	5 stereo	3 stereo
Line outputs	10 x 1/4″ TRS, balanced or unbalanced	6 x 1/4″ TRS, balanced or unbalanced
Headphone outputs	2 x 1/4″ TRS stereo	
Maximum output level	+22 dBu	

Type	Class compliant USB 2.0, type B	
Supported operating systems	Windows 10/ Mac OS X 10.14 or higher	
Audio	2 in / 4 out	2 in / 2 out
Converter resolution	24-bit	
Supported sample rate	44.1, 48, 88.2, 96, 192 kHz	

Output level	-∞ to +10 dB	
Talback level	-∞ to max	
Takback destination	2 track or cue	cue
Talkback input	Internal (mic) or external (XLR)	—
Footswitch	Activates talkback	—

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.

FCC Statment

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

STUDIO L & XL
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:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.
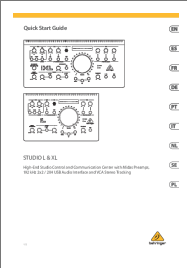
Important information:
Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment.
Hereby, MUSIC Tribe declares that this product is in compliance with Directive 2014/35/EU, Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACHSVHC and Directive 1907/2006/EC.
The full text of the EU DoC is available at **https://community.musictribe.com/**

Documents / Resources

	behringer STUDIO-XL High-End Studio Control and Communication Center with Midas Preamps [pdf] User Guide STUDIO-XL High-End Studio Control and Communication Center with Midas Preamps, STUDIO-XL, High-End Studio Control and Communication Center with Midas Preamps

References

- **m** **Music Tribe**
- **⚠** **Behringer | Home**
- **m** **Music Tribe**