

User's Manual USB AUDIO INTERFACE

Function

14.+48V PHANTOM

When the phantom power switch is turned on, the [+48V]LED light will light up and the DC +48V phantom power will be supplied to the XLR plug on [MIC/LINE] input socket. Turn this on when using a condenser microphone that requires phantom power.

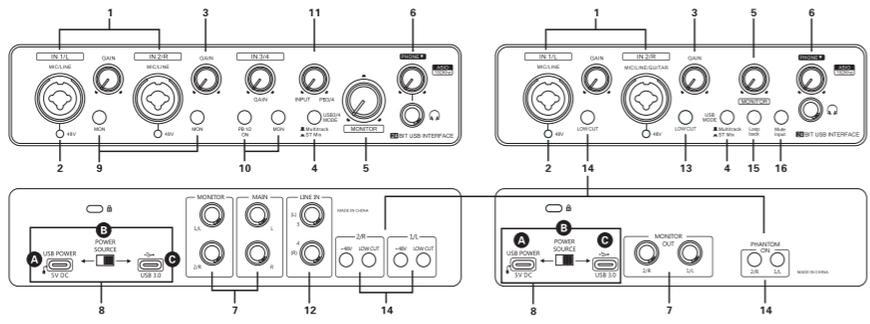
NOTICE

Be sure to leave this switch off if you do not need phantom power. Follow the important precautions below, in order to prevent noise and possible damage to external devices as well as the mixer if you turn this switch on.

1. Be sure to leave this switch off when you connect a device that does not support phantom power to channel 1.
2. Make sure to turn this switch off when connecting/disconnecting a cable to/from channel 1.
3. Slide the fader on channel 1 to minimum before turning this switch on/off.

LOW CUT

The LOW CUT switch turns the HPF on or off. To turn on the HPF, press down this switch. The HPF cuts frequencies below 100Hz.



15.LOOP BACK

LOOP BACK: The sound input into the Interface and the sound played on the computer are mixed in stereo and sent to the computer. This setting is used primarily for webcasting.

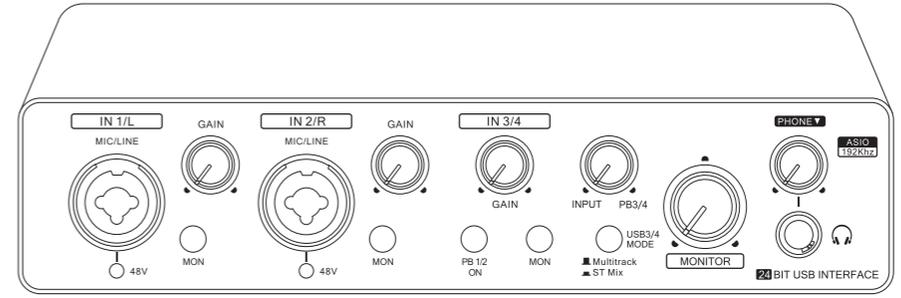
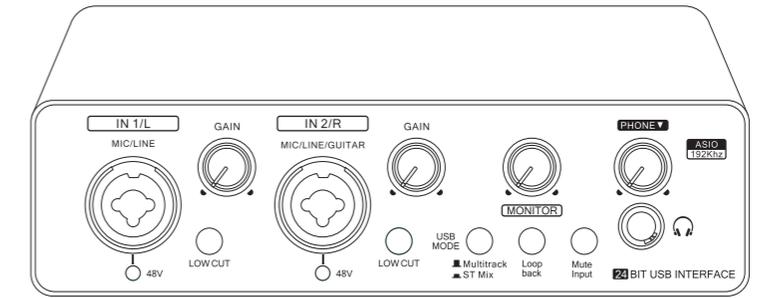
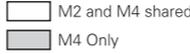
16.MUTE INPUT

Used to convert the signal between overall listening and USB playback.

General Specification

0 dBu=0.775 Vrms, 0 dBV=1 Vrms
 If no pin is specified, all pins will be set to the nominal position. (nominal position adjusted to 10 dB below maximum) Signal generator output impedance (Rs)=100 ohm, output load impedance =100k ohm (TRS phone type output)

GAIN (0dBu)	OUTPUT		CHANNEL		M4/STEREO
	INPUT		MIC	LINE	LINE
	GAIN (0dBu)	0dB	-10dB-48dB	-16dB-32dB	-10dB-35dB
INSERT					
M4/MAIN OUT	MAX (ALL MAX)	58dB	48dB	45dB	
MONITOR	0dB(PRE) GAIN Control at 0dB	0dB	-10dB	8dB	
	MAX (POST)GAIN ALL MAX	68dB	58dB	55dB	
PHONES OUT	0dB (GAIN Control at 0dB)	0dB	-10dB	0dB	
	MAX (GAIN ALL MAX)	68dB	58dB	55dB	
CMRR	0dB (GAIN Control at 0dB)	M2:60dB M4:62dB	-	-	
LOW CUT					
100Hz					
ENI					
-123dB					
T.H.D.(0dB)					
M4/MAIN OUT		0.01%	0.01%	0.10%	
MONITOR OUT (Control at 0dB)		M2:0.100% M4:0.01%	M2:0.100% M4:0.01%	0.10%	
PHONES OUT (Control at 0dB)		M2:0.100% M4:0.03%	M2:0.100% M4:0.03%	0.10%	
Signal to Noise Ratio					
M4/MAIN OUT		92dB	92dB	92dB	
MONITOR/STEREO OUT		M2:80dB M4:90dB	M2:68dB M4:75dB	68dB	
PHONES OUT		M2:78dB M4:90dB	M2:68dB M4:75dB	80dB	
Noise (Control at MIN)					
M4/MAIN OUT		-92dB			
MONITOR/STEREO OUT		M2:-78dB/M4:-90dB			
PHONES OUT		85dB			



The contents of this manual are the latest technical specifications at the time of printing. As the product will continue to improve, it is possible that the specifications in this manual are not in conformity with your product specifications. Please go to the website to download the latest version of the manual. Technical specifications, equipment or accessories may vary from region to region, so please check with your local distributor if you have any questions.

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EN 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.

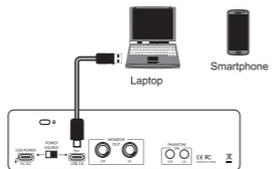
15. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.

16. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

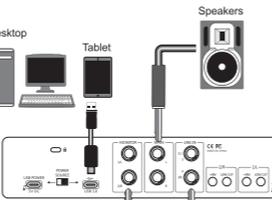
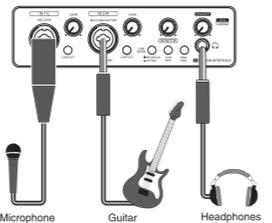


17. Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic 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 of council, or your household waste collection service.

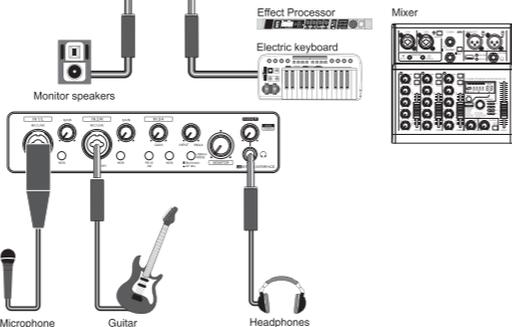
Hook-up



Mobile Recording / Mixing



Home / Project Studio



Function

1. MIC/LINE/XLR

For connecting to a microphone, an instrument, or an audio device. These jacks support both XLR and phone plugs.



2.+48V LED

Indicates that +48V phantom power is engaged.

3.GAIN Knob

Sets the volume of the microphone or line input signal provided to this channel. The GAIN knob is used to adjust the sensitivity of the microphone and the input signal of the circuit. This allows external signals to be adjusted to the desired internal control level.

4.USB Recording mode switching

Multitrack (M), STEREO MIX (S).

5.MONITOR knob

Volume control for the MONITOR outputs on the back panel.

6.PHONE Knob

Adjust the volume to headphones and Powered monitor speakers connected to the headphones output jack.

PHONES Jack

For connecting headphones. The socket supports stereo phone plug. If you need to connect headsets or earplugs with mini plugs, please use a switch device to connect.

7.[MONITOR/MAIN] jacks

Connect these balanced, DC-coupled quarter-inch outputs to your studio speakers, Power Amplifier or other desired audio system. They can also accept an unbalanced plug. Each output pair is independent and can be found as separate output pairs in your host software. Note: the analog outputs are not cross-coupled. Therefore, when connecting them to an unbalanced input, use a TRS plug with the ring disconnected. Not floating the negative terminal will short it to the sleeve ground and cause distortion.

8.Product Power Supply/Data Connection – Conversion

A.USB POWER(TYPE-C)Power input socket

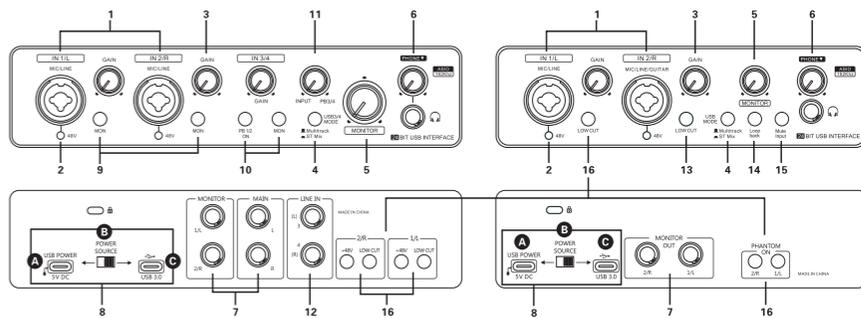
It is used to connect the USB power adapter and type-C data cable for power supply of the mixer.
Note: Read carefully the safety precautions for the USB power adapter and type-C data cable you are using.
USB power adapter and TYPE-C data line Voltage standard:
Output voltage: 4.8V to 5.2V Output current: 3A or higher

B.POWER SOURCE (switch)

Switch different connection modes.
1. Directly supply power to the product.
2. Data connection, so that the mixer and PC, MAC, IOS and some Android signal transmission.

C.USB 3.0 (TYPE-C) Port

Connect to your Smartphone, Tablet or computer with the USB cable supplied.



9.[MON] button

Engage the MON (monitor) button to enable hardware (direct) monitoring, which routes the channel's input signal directly to the outputs the mono signal evenly across both outputs (1-2). Press and hold the MON button to engage stereo monitoring for both inputs. In this mode, Input 1 is routed to Output 1 and Input 2 is routed to Output 2, allowing you to monitor in stereo while recording in stereo.

10.[PB 1/2 ON] button/[MON] button

After PB 1/2 ON press, Playback (PB) signal is sent to the main output. If you want to monitor the stereo 3/4 signal, you need to press both PB 1/2 ON and MON to monitor the signal.

11.INPUT PB3/4 knob(INPUT MONITOR MIX)

Adjusts the level of input signal to playback 1-2 signal at the MAIN OUT and at the HEADPHONE output. Turn it counterclockwise to hear more inputs; turn it clockwise to hear more computer audio.

12.[LINE IN 3/4] jacks

For connection to digital instrument or a mixer. These jacks can be connected to phone-type (balanced/unbalanced) plugs.

13.[HI-Z]

To connect a guitar directly to the mixer without using a DI Box, press this switch in first; then connect the output from the guitar to the channel's 1/4" TRS input. The input impedance is optimized for direct connection and high-frequency fidelity is assured.