

SOUNDVISION™

SMX Series



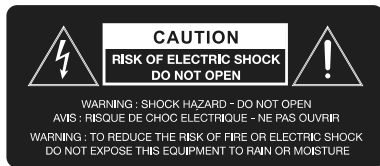
PRO ANALOG MIXERS

USER MANUAL

CAUTION!

To reduce the risk of electric shock, do not remove cover (or the rear section). no user serviceable parts inside. Maintenance and repairs should be exclusively carried out by qualified service personnel.

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.



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.

Before you get started Shipment

Your mixing console was carefully packed in the factory to guarantee safe transport. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage, which may have occurred during transit.

If the unit is damaged, please do NOT return it to us, but notify your dealer and the shipping company immediately, otherwise claims for damage or replacement may not be granted.

Initial operation

Be sure that there is enough space around the unit for cooling purposes and to avoid over-heating please do not place your mixing console on high temperature devices such as radiators or poweramps. The console is connected to the mains via the supplied cable. The console meets the required safety standards. Blown fuses must only be replaced by fuses of the same type and rating.

Please note that all units must be properly grounded. For your own safety, you should never remove any ground connectors from electrical devices or power cables, or render them inoperative.

Please ensure that only qualified people install and operate the mixing console. During installation and operation, the user must have sufficient electrical contact to earth, otherwise electrostatic discharges might affect the operation of the unit.

IMPORTANT SAFETY INSTRUCTIONS

- Keep these instructions.
 - Heed all warnings.
 - Follow all instructions.
 - Follow all instructions.
 - Do not use this apparatus near water
 - Clean only with dry cloth.
 - Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Be careful to select a suitable volume.
 - Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - 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.
 - Place the power cord so that it is protected from being walked on and sharp edges. Be sure that the power cord is protected particularly at plugs, convenience receptacles, and the point where it exits from the apparatus
 - The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.
 - Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
 - Only use attachments/accessories specified by the manufacturer.
 - 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.
 - Unplug this apparatus during lightning storms or when unused for long periods of time.
 - 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.
-

SMX Series

CAUTION AND SAFETY	1
INTRODUCTION FEATURE	4
PACKING LIST	4
PANEL DESCRIPTION	5-9
INSTALLATION	10
SPECIFICATIONS	11
DIAGRAM	12
DIMENSIONS	12
TROUBLESHOOTING	13
TRADEMARK AND LICENSES	14

SMX-SERIES PROFESSIONAL ANALOG MIXER COMPACT 6 AND 8 CHANNELS STUDIO-QUALITY EFFECTS.

SMX-4 PRO ANALOG MIXER 6 CHANNELS

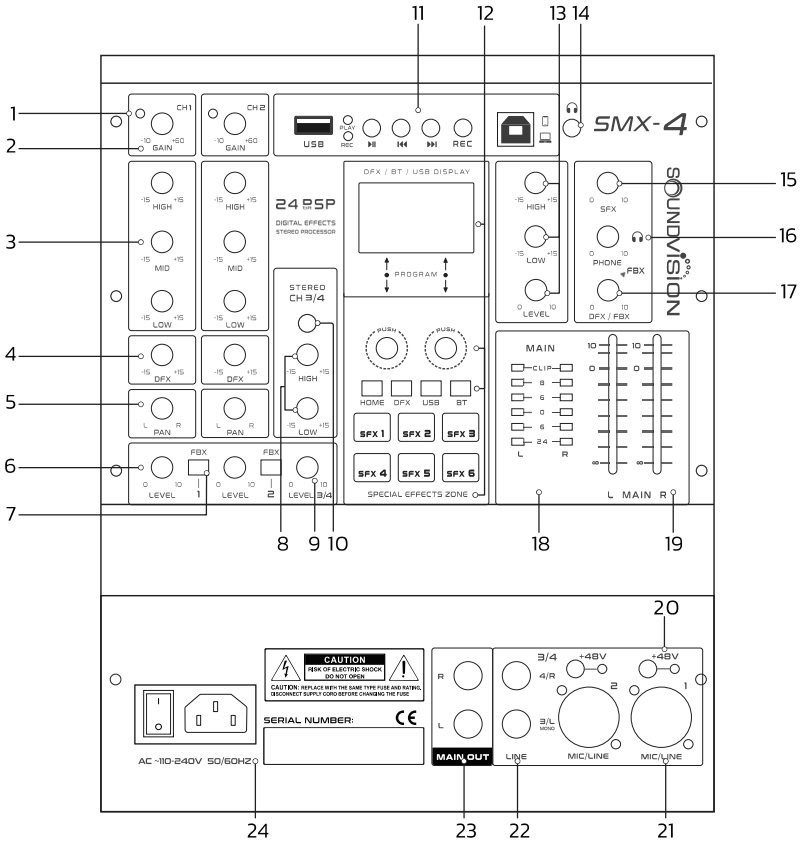
SMX-6 PRO ANALOG MIXER 8 CHANNELS

- SMX-Series professional analog mixer 6 and 8 Channels.
- 2 / 4 mono 1 stereo and 2 USB input channels.
- 48V phantom power supply in each channel.
- 6 special effects of the sound card.
- 24-bit DSP digital effect stereo processor each effect can be adjustable separately.
- 2-In/2-Out, Built-in USB Audio Interface (Audio Player and Recorder)
- Built-in Bluetooth 5.2 player.
- Built-in digital feedback suppressor.
- Power supply for AC 110-240 Voltage.

PACKING LIST

- | | |
|----------------------------------|-----------|
| • SMX analog mixer | x 1 pcs. |
| • Data cable USB 2.0 Type A to B | x 1 pcs. |
| • Power cable | x 1 pcs. |
| • User manual | x 1 book. |

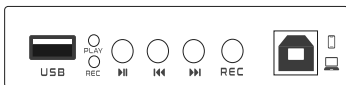
PANEL DESCRIPTION



1. **PEAK LIGHT:** It will flash if the signal is too large.
2. **GAIN CONTROL:** Adjusts the input signal level. To get the best balance between the S/N ratio and the dynamic range, adjust the gain so that the PEAK indicator lights only occasionally and briefly on the highest input transients.
3. **EQUALIZER (HIGH, MID, LOW):** This is three-band equalizer adjusts the channels high, mid and low frequency bands. Setting the knob to the "Opposition produces a flat response in the corresponding frequency band, while turning to the left attenuates the band.

PANEL DESCRIPTION / FUNCTIONS

4. EFF CONTROL: When you want to get EFF each channel you can adjust the level of installed EFF.
5. PAN CONTROL: The PAN control determines the position of the channel signal within the stereo image. When working with subgroups, you can use the PAN control to assign the signal to just one output, which gives you additional flexibility in recording situations.
6. CHANNEL LEVEL KNOB: Adjusts the level of the channel signal. Using these knobs to adjust the balance between the various channels.
7. FBX KEY-FEEDBACK EXTERMINATOR: It can prevent the howling from MIC.
8. EQUALIZER (HIGH, LOW): This two bands equalizer adjusts the stereo channels' high and low frequency.
9. CHANNEL KNOB: Adjusts the level of the channel signal. Using this knob to adjust the output level
10. 3.5MM STEREO INPUT: The input signal from phone can be sent through this interface.
11. THE CONTROLLING ZONE OF Mp3 & EFF PART



▶|| PLAY/PAUSE CONTROL BUTTON Short press to play or stop music.

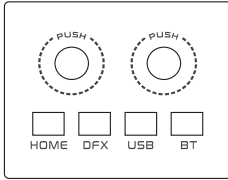
I◀◀ PREV Prev/Volume"- "decrease control button Short press the key to skip the previous song. Hold the key for seconds to decrease the master volume.

▶▶I NEXT Next/Volume"+ "increase control button Short press the key to skip the next song. Hold the key for seconds to increase the master volume.

- REC Get into recording interface after pressing this key.
- USB INTERFACE: Inserting USB into this port.
- PC/PHONE INTERFACE :Connecting with PC or phone

PANEL DESCRIPTION / FUNCTIONS

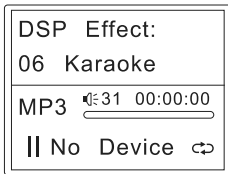
12. **DISPLAY:** Show status functionMulti-functional Key



DSP EFF SETTINGS: Turning the Left knob to select the DSP EFF type.

- | | | | |
|-------------|-----------------|------------------|-------------------|
| 01. HALL1 | 07. SHORT DELAY | 13. TREMOLO | 19. REV + MOECHO |
| 02. HALL2 | 08. LONG DELAY | 14. WAH WAH | 20. REV + S DELAY |
| 03. ROOM1 | 09. PONG DELAY | 15. MONO DELAY | 21. REV + L DELAY |
| 04. ROOM2 | 10. CHORUS | 16. REV + FLANGE | 22. ECHO+ FLANGE |
| 05. STAGE | 11. FLANGER | 17. REV + CHORUS | 23. ECHO+ CHORUS |
| 06. KARAOKE | 12. PHASER | 18. REV + PHASER | 24. PITCH |

MULTI-FUNCTIONAL KEY: Pressing the right knob to confirm the function EFF button type and edit the EFF settings in the EFF page 2.

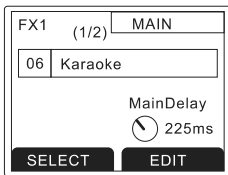


HOME KEY Returning to the home page after pressing this key. As followed interface:

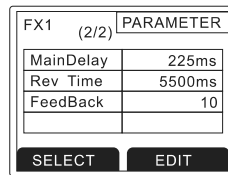
DFX KEY-EFF INTERFACE Adjusting each DFX from this key.

There are two pages in this step. The interface will be changed after second press "DFX". For example, you can adjust EFF time after the first press "DFX". Adjusting another EFF parameters after second press "DFX".

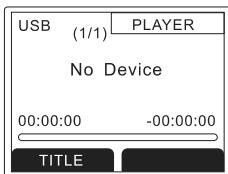
The first page



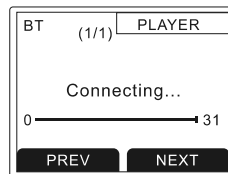
The second page



USB KEY Getting into USB interface after pressing this key. As followed interface:

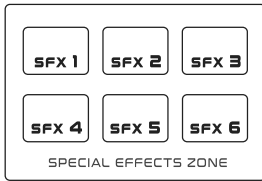


BT KEY Long press this key for 3 second to connect Bluetooth. As followed interface

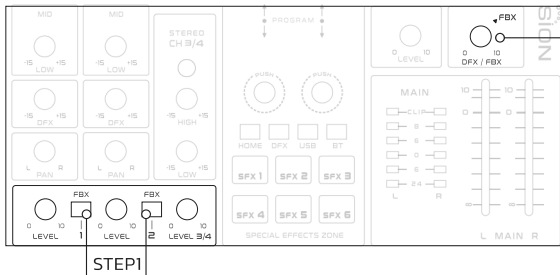


PANEL DESCRIPTION / FUNCTIONS

SPECIAL EFFECTS ZONE



13. EQUALIZER (HIGH, LOW) – USB & CHANNEL LEVEL KNOB– USB:
This two bands equalizer adjusts the USB high and low frequency.
Adjusts the level of the channel signal. Using this knob to adjust the output level of USB.
14. PHONE CONNECTOR: 3.5mmPHONE CONNECTOR, which can connect with earphone to monitor the input signal.
15. VOLUME CONTROL: Controlling the output level of–SPECIFICIAL EFF ZONE
16. PHONE SIGNAL: Controlling the output level of earphone (3.5mm connector).
17. OUTPUT SIGNAL: LEVEL CONTROL–DSP DFX & FBX



STEP2

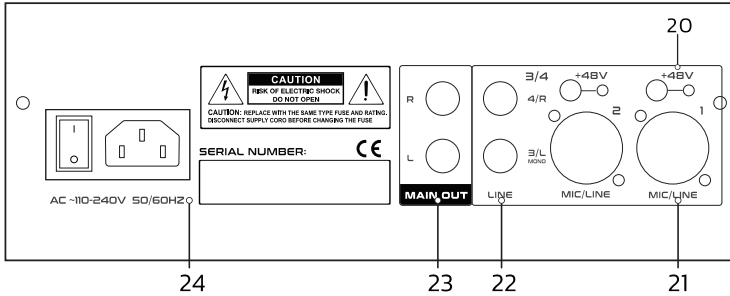
(1) FBX Users should obey followed step if this knob is used as FBX.

(2) DFX LEVEL Controlling the level of EFF output signal.

- STEP1: Users should press FBX key of 1st and 2nd channel accordingly.
STEP2: The knob should be turned to 1'o clock to 2'o clock position.

18. CHANNEL LEVEL KNOB– L&R: djusts the level of the main output signal.
19. LEVEL METER: Show the level signal's strong.

PANEL DESCRIPTION



20. **PHANTOM +48V SWITCH:** This is switching toggles phantom power.
21. **MIC/LINE INPUT JACKS:** These are balanced XLR -type microphone input jacks. (1 :Ground;2:Hot; 3:Cold) LINE Input jacks (monaural channels) These are balanced TRS phone-jack line inputs. (T: Hot; R: Cold; S: Ground). You can connect either balanced or unbalanced phone plugs to these jacks.
22. **STEREO INPUT JACKS:** Connect an electronic keyboard, audio device or other line-level equipment here.
23. **MAIN OUTPUT (L&R):** Can relate to speaker to here.
NOTE WARNING Minimum impedance 4 ohm per channel. Connecting two 4-ohm speakers per channel will overload the amp and void the warranty. Always use 8 ohms speakers or higher if connecting two speakers per channel.
24. **POWER SWITCH:** Use the POWER switch to turn on the mixing console. The POWER switch always be in the "off "position when you are about to connect your unit to the mains. To disconnect the unit from the mains, pull out the main cord plug. When installing the product, ensure that the plug is easily accessible.
FUSE HOLDER/IEC MAINS RECEPTACLE The console is connected to the mains via the cable supplied, which meets the required safety standards. Blown fuses must only be replaced by fuses of the same type and rating. The mains connection is made via a cable with IEC mains connector. An appropriate mains cable is supplied with the equipment.

INSTALLATION

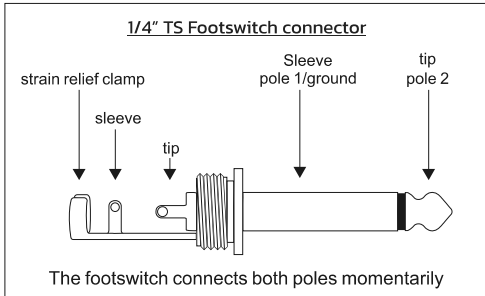
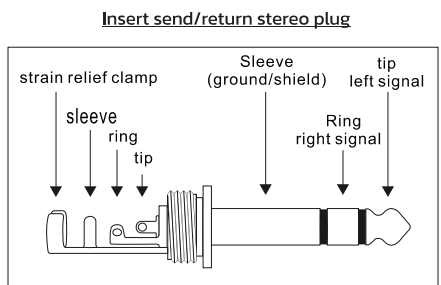
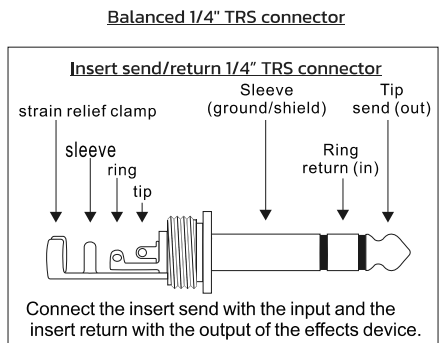
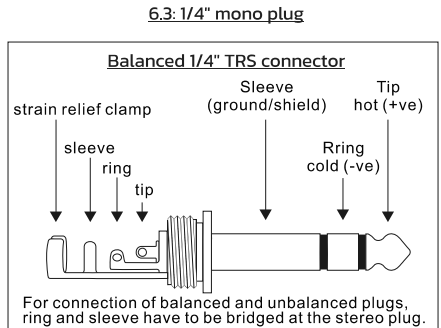
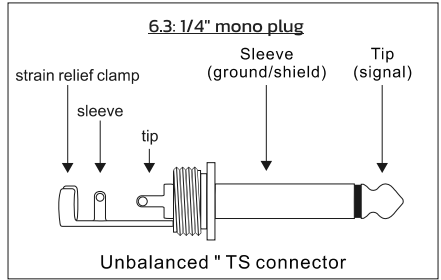
Rack mounting.

The packaging of your mixing console contains two 19" rack mounts for installation on the side panels of the console. Before you can attach the rack mounts to the mixing console, you need to remove the screws holding the left and right side panels. Then, use these screws to fasten the two rack mounts, each specifically to one side. With the rack mounts installed, you can mount the mixing console in a commercially available 19" rack. Be sure to allow for proper air flow around the unit, and do not place the mixing console close to radiators or power amps, to avoid overheating.

Only use the screws holding the mixing console side panels to fasten the 19" rack mounts.

Cable connections

You will need a large number of cables for the various connections of the console. The illustrations below show the wiring of these cables. Be sure to use only high-grade cables.

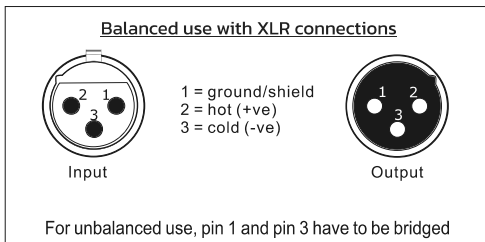


Foot switch connector

Audio connections

Please use commercial RCA cables to wire the 2-track inputs and outputs.

You can, of course, also connect unbalanced devices to the balanced input/outputs. Use either mono plugs, or use stereo plugs to link the ring and shaft (or pins 1 & 3 in the case of XLR connectors).



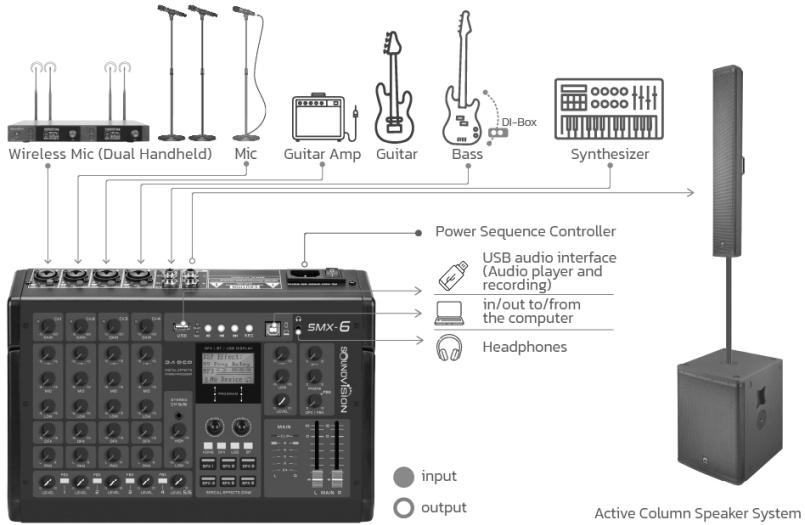
XLR connections

Caution! You must never use unbalanced XLR connectors (PIN 1 and 3 connected) at the MIC input jacks if you want to use the phantom power supply.

SPECIFICATIONS

Models	SMX-4	SMX-6
Input channels	6	8
Mono (Mic/Line)	2 (Combo XLR)	4 (Combo XLR)
Stereo (Line)	1 (TS) (3/4)	1 (TS) (5/6)
USB	1 Phone (TRS)	1 Phone (TRS)
USB	2	2
Output channels		
Master out	2 (TS)	
Phones out	1 (TRS) 3.5mm	
Digital I/O	2-in/2-out, USB audio interface (Audio player and recording)	
Gain	-10 dB/+60 dB	
Input channel EQ		
Mono	High: Gain-15dB/+15dB	Frequency response: 12kHz(shelving)
	Mid: Gain-15dB/+15dB	Frequency response: 2.5kHz(peaking)
	Low: Gain-15dB/+15dB	Frequency response: 80Hz(shelving)
Stereo	High: Gain-15dB/+15dB	Frequency response: 12kHz(shelving)
	Low: Gain-15dB/+15dB	Frequency response: 80Hz(shelving)
LED level meter	2 x 6 points LED meter (Clip, 8, 6, 0, 6, 24)	
Digital effects	24 programs, Control Knob.	
Special effects	6 SFX	
Bluetooth	Version 5.2	
GENERAL		
Frequency response	20Hz-20KHz@+ -0.5dB	
Total harmonic distortion	<0.03@1khz	
Operating temperature	0°C to 40°C	
Phantom power	+48V per channel	
Power consumption	15W	
Power requirements	110V-240V/50-60Hz	
Net weight	1.8Kgs.	2 Kgs.
Dimensions (W x D x H)	25.5*21.5*9.2 CM	30.5*21.5*9.2CM

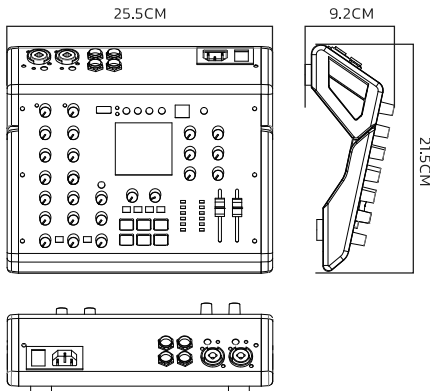
DIAGRAM



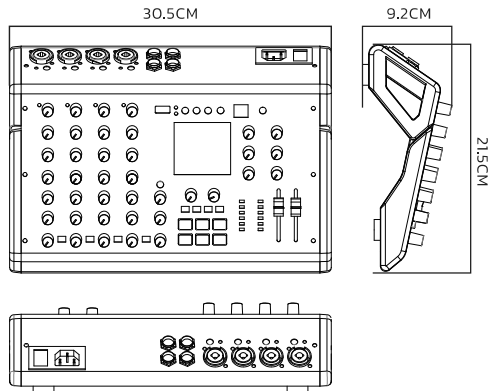
SMX-6 professional analog mixer 8 Channels.

DIMENSIONS

SMX-4



SMX-6



TROUBLESHOOTING

Power doesn't come on.

- Is the power line properly plugged into an AC wall outlet?
 - Are the power line and AC wall outlet connected correctly?
-

No sound

- Are microphone. External devices. And speakers connected correctly?
 - Are the channel GAIN controls, channel fader. STEREO OUT Master fader and GROUP fader set to appropriate levels?
 - Are the speaker cables connected properly, or are they shorted?
 - If the above checks do not identify the problem. Please contact the service center.
-

Sound is faint, distorted, or noisy.

- Are the channel GAIN controls, channel fader. STEREO OUT Master fader and GROUP fader set to appropriate levels?
 - Are two different instruments connected to the XLR-type and phone jacks. Or to the phone and RCA pin jacks on one channel? Please connect to only one of these jacks on each channel.
 - Is the input signal from the connected device set to an appropriate level?
 - Are you applying the effects at an appropriate level?
 - Is microphone connected to the MIC input jacks?
 - If you are using condenser microphone, is the PHANTOM. +48V switch turned on?
-

No effect is applied.

- Check that the EFFECT control on each channel is correctly adjusted.
 - Be sure that the FX control and EFFECT fader are correctly adjusted.
-

I want spoken words to be heard more clearly.

- Adjust the equalizers on each channel.
-

I want to output a monitor signal through speakers.

- Connect a powered speaker to the AUX jack, or to the AUX1 or 2 jack and turn the PRE switch on each channel on. Then adjust the output signal by using the AUX controls on each channel.
-

The level meter doesn't show the output signal level

- Are the PEL switches for the channels that you are not using turned on?
-

TRADEMARK AND LICENSES



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