

NUX

PMX-2

LINE MIXER USER'S MANUAL

Thank you for choosing NUX PMX-2 Line Mixer. It is a portable mixer that allows the user to connect several audio devices to the main output without repeating plugging and unplugging a lot of cables, i.e. computer, TV, DVD, musical instruments. You can adjust the level of each input to balance the volume of each channel.

Please take your time to read the following user's manual carefully. We recommend that you keep the manual for future reference.

FEATURES

- 8 inputs and 2 outputs.
- Independent peak LED light for 4 channels.
- Master input level control.
- Master volume indicator.
- Gain control for channel 1/2 and 3/4.

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Accuracy

Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co. makes no representations or warranties regarding the contents.

WARNING!-IMPORTANT SAFETY INSTRUCTIONS BEFORE CONNECTING, READ INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: To reduce the risk of fire or electric shock, do not remove screws. No user-serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of 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.



The lightning symbol within a triangle means "electrical caution!" It indicates the presence of information about operating voltage and potential risks of electrical shock.

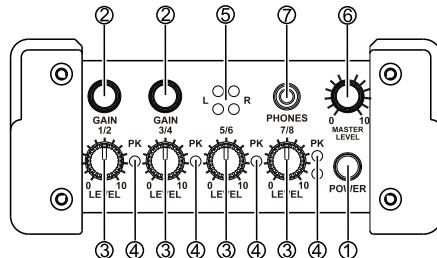


The exclamation point within a triangle means "caution!" Please read the information next to all caution signs.

1. Use only the supplied power supply or power cord. If you are not sure of the type of power available, consult your dealer or local power company.
2. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
3. Guard against objects or liquids entering the enclosure.
4. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
5. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the 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.
6. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
7. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and at the point where they exit from the apparatus.
8. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice "safe listening".

Follow all instructions and heed all warnings
KEEP THESE INSTRUCTIONS!

PRODUCT INTERFACE



1. POWER SWITCHER

Press the power switch. The LED indicator on the left will be lit up. **NOTE:** First, turn on the mixer. Then, turn on the amplifier or the active speaker. Conversely, turn off the amplifier first, turn off the mixer at the end.

2. CHANNEL GAIN KNOB

The knob can adjust the volume of channel 1/2 and 3/4. The overdrive indicator will be lit up occasionally when adjust the knob.

3. CHANNEL LEVEL KNOB

Each level knob controls the level of two indicated channels and the signal amount assigned to main output.

4. OVERDRIVE INDICATOR

The overdrive indicator will show whether the signal of the channel is too high. The level displayed here shows the volume before the channel level control. It is controlled by gain knob, not by level knob.

To get the biggest dynamic range, adjust the channel gain knob to light up the overdrive indicator occasionally. As for the channel 5/6 that has no gain knob, adjust the volume knob of signal resource to maximum to get the best dynamic range.

5. STEREO LEVEL DISPLAY

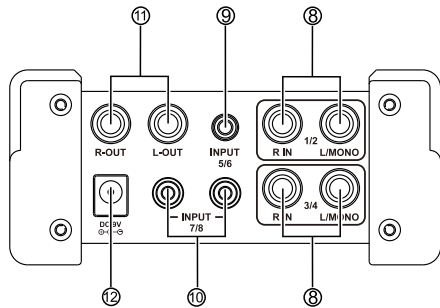
PMX-2 uses the peak level display. It shows the level status when all channel signals are mixed. So, it is not controlled by Master Level Knob.

6. MASTER OUTPUT KNOB

Control the output of master volume.

7. HEADPHONE OUTPUT JACK

The headphone output can drive most headphones. The master output will not be cut off when the headphone output is inserted. So, you can turn off the master output amplifier when you use the headphone.



8. INPUT JACKS FOR CHANNEL 1/2, 3/4

Channel 1/2 use unbalanced 6.35mm plug. Stereo signal will be sent to channel 1/2 or 3/4. Mono signal can be sent to channel 1 or channel 3 marked L/MONO, and make the channel 2/4 empty. Mono signal will be automatically sent to the two output jacks of the Master Output.

9. INPUT JACKS FOR CHANNEL 5/6

The channel 5/6 uses the standard 3.5mm stereo plug. The output of MP3 or other devices can be connected to this jack.

10. INPUT JACKS FOR CHANNEL 7/8

This channel 7/8 uses the standard RCA jack. The output of DVD or other devices can be connected to this jack.

11. MASTER OUTPUT JACKS

Use two cables with 6.35mm unbalanced jacks to connect to the inputs of amplifier or active speakers, and output stereo signal to the amplifier.

12. POWER SUPPLY JACK

Use standard center negative 9V DC power supply. Please confirm all the power consumption should be lower than the power supply's capacity.

OPERATION INSTRUCTIONS

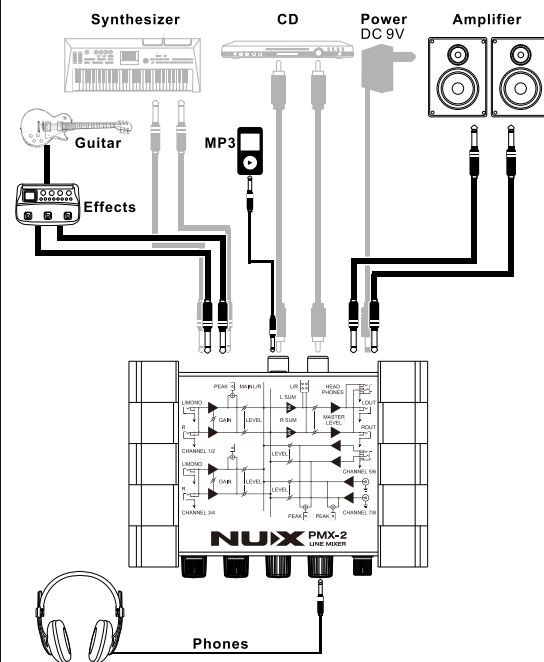
Adjust the input level.

1. Turn down the GAIN and LEVEL knob to minimum position.
2. Channel 1/2 and channel 3/4 are the same module. Every two channels form one stereo channel. Connect two unbalanced 6.35 mm TS plug cables to two channels, or connect one cable to L/MONO jack to make the mono signal to be transmitted to two master outputs.
3. Channel 5/6 is a 3.5mm stereo input channel. Channel 7/8 is a RCA stereo input channel.
4. Turn on the signal resource. The signal resource can be guitar effects, keyboard, drum machine, mp3, DVD, etc. Adjust the master volume of signal resource to the normal position.
5. For channel 1/2 and 3/4, you can adjust the GAIN knob to light up the PEAK indicator occasionally when the volume is maximum.
6. For channel 5/6 and 7/8, you can adjust the volume knob of audio devices to light up the PEAK indicator occasionally when the volume is maximum.

Start Mixing

1. Connect the output jacks of PMX-2 to PA or the input jacks of active speakers. Then turn on the power.
2. Adjust the master output knob to 1/4 position.
3. Adjust the LEVEL knob of each channel to the right position. Make sure the green LEVEL indicator always lights up, and the red indicator occasionally lights up.

CONNECTIONS



1. Home Theater

Connect the sound output of TV or STB to channel 7/8. Connect MP3 or computer to channel 5/6 by 3.5mm plug cable. Connect DVD to channel 3/4 by adapter. Connect sound output of computer to channel 1/2. Connect master output to monitor speaker.

2. Guitarist at home

Connect the sound output of TV or STB to channel 7/8. Connect the sound output of computer or MP3 to channel 5/6. Connect guitar through guitar effects to channel 3/4. Connect Mic through Mic amplifier to channel 1/2. Connect master output to monitor speaker.

3. Guitarist on stage

Connect electronic guitar through guitar effects to channel 1/2. Connect acoustic guitar to channel 3. Connect MP3 or computer to channel 5/6. Connect the master output jack to mixer.

4. Play in pub

Connect the acoustic-electric guitar to channel 1. Connect the microphone by voice processor to channel 3/4. Connect MP3 to channel 5/6. Connect the sound input/output of computer to channel 7/8 by USB cable. Connect master output to amplifier on the stage.

5. Keyboard on stage

Connect the sound output of keyboard 1 to channel 1/2. Connect the sound output of keyboard 2 to channel 3/4.

Connect the sound output of sampler or drum machine to channel 5/6. Connect the input/out of computer's sound to channel 7/8. Connect the master output to mixer on the stage.

Notes:

1. If you want to obtain the best performance, the LEVEL knob should be kept center-right position.
2. Please turn off the master volume before the connecting cables.
3. Please confirm that the amplifier and speaker should be turned off before the power is off. And turn on the amplifier or speaker after the power is on.

SPECIFICATIONS

- Input Impedance: 10K
- Maximize Input Level: 20.8dBu
- Gain Adjust Range: 7.8dB-54dB
- Dynamic Range: 95dB
- S/N Ratio: -92dB
- Frequency Response: 20HZ-20KHZ ±1dB
- THD+N: 0.085% (0dBu)

Output

- Output Impedance: 32 Ohm
- Maximize Output Level: 14.6 dBu
- Headphone output power: 2.33mW/each channel

Signal Indicator

- Level Green : 8.25dB
- LevelRed : 10.2dB
- PK Red : 14.7dB

Power

- Power Supply: DC9V
- Operating Voltage: 9V
- Operating Current: 100mA

- Dimension: 121(L)x84(W)x55(H)mm
- Weight: 350g

PRECAUTIONS

- Environment:
 1. Do NOT use PMX-2 in high temperature, high humidity, or subzero environments.
 2. Do NOT use PMX-2 in the direct sunlight.
- Please do NOT disassemble PMX-2 by yourself.
- Please keep this manual for future reference.

ACCESSORIES

- Owner's manual

THE FCC REGULATION WARNING (for U.S.A.)

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.

CE mark for European Harmonized Standards

CE Mark which is attached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) EN 61000-6-3:2007+A1:2011 & EN 61000-6-1:2007 Under the Council Directive 2004/108/ EC on Electromagnetic Compatibility.

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