

Commercial Audio 120-Watt 2-Channel Mixer Amplifier



P/N 18801

User's Manual

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SAFETY WARNINGS AND GUIDELINES

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- This device is intended for indoor use only.
- Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power outlet and allow it to fully dry before reapplying power.
- Do not touch the device, the power cord, or any other connected cables with wet hands.
- Do not expose this device to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- This device ventilates excessive heat through the slots and openings in the case. Do not block or cover these openings. Ensure that the device is in an open area where it can get sufficient airflow to keep from overheating.
- Do not expose this device to excessive vibration.
- Do not place or install this device in an area where it can be exposed to excessive amounts of dust, humidity, oil, smoke, or combustible vapors.
- Use only in a well-ventilated area. Do not use in close, confined spaces.
- Prior to operation, check the unit and power cord for physical damage. Do not use if physical damage has occurred.
- Before plugging the unit into a power outlet, ensure that the outlet provides the same type and level of power required by the device.
- This device uses a grounded power cord and requires a ground connection for safe operation. Ensure that the power source has a proper ground connection. Do not modify the plug or use a "cheater" plug to bypass the ground connection.
- Unplug this device from the power source when not in use.

- Take care to prevent damage to the power cord. Do not allow it to become crimped, pinched, walked on, or become tangled with other cords. Ensure that the power cord does not present a tripping hazard.
- Never unplug the unit by pulling on the power cord. Always grasp the connector head.
- Ensure that power is turned off and disconnected before making any electrical connections.
- Clean using a soft, dry cloth only. Do not use chemical cleaners, solvents, or detergents. For stubborn deposits, moisten the cloth with warm water.
- This device has no user serviceable parts. Do not attempt to open, service, or modify this device.
- Always set the Volume knobs to the minimum position before applying power to the amplifier. Transient voltage spikes during power on can cause loud popping in the speakers, which can damage the speakers.
- Do not operate this amplifier for extended periods of time with audio distortion present. Audio distortion can cause excessive heat and can damage the amplifier and/or speakers.

INTRODUCTION

Thank you for purchasing this Commercial Audio Mixer Amplifier! This amplifier features two 60-watt channels and offers several configuration options. You can use it as a normal 60-watts/channel stereo amplifier, as two separate 60-watt mono amplifiers, or as a single bridged 120-watt mono amplifier. It includes both unbalanced line level stereo RCA inputs as well as balanced Euroblock connector inputs for use as line or microphone inputs. It has independent volume controls for each channel, as well as bass and treble tone controls and an optional amplifier limiter circuit. In stereo or dual mono mode it supports 4-ohm and 8-ohm loads, or an 8-ohm load for bridged mono operation.

FEATURES

- Can be configured for 60-watts/channel stereo, dual 60-watt mono, or bridged 120-watt mono modes
- Two balanced mono inputs using Euroblock connectors
- Two unbalanced line level stereo RCA inputs
- Mic/Line switch for the balanced inputs
- Separate volume controls for each input
- Optional amplifier limiter to prevent clipping

CUSTOMER SERVICE

The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the Live Chat link on our website www.monoprice.com during normal business hours (Mon-Fri: 5am-7pm PT, Sat-Sun: 9am-6pm PT) or via email at support@monoprice.com

PACKAGE CONTENTS

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

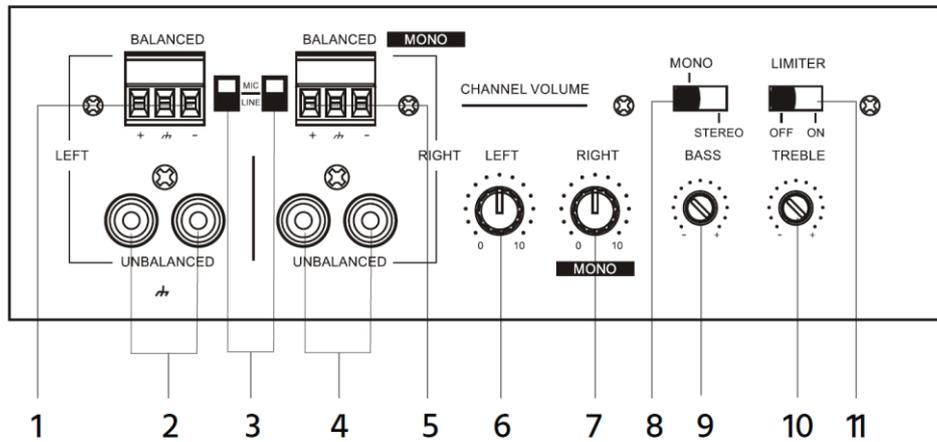
1x Commercial Audio 120-Watt 2-Channel Mixer Amplifier

1x AC Power Cord

1x User's Manual

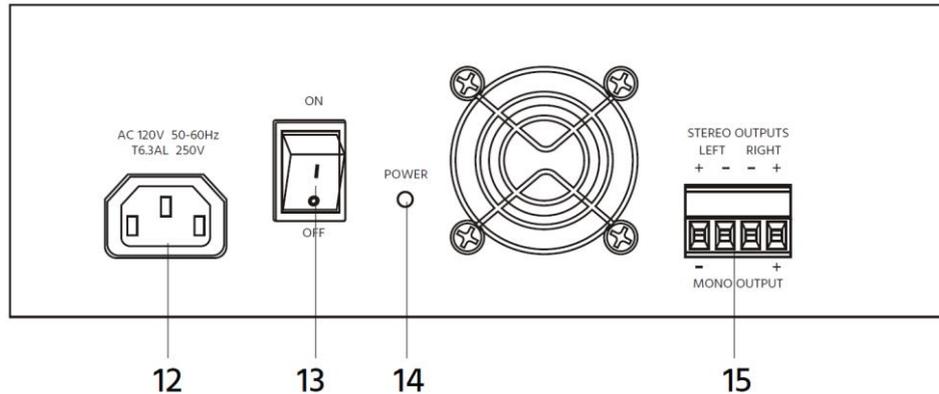
PRODUCT OVERVIEW

Front Panel



1. Left Channel Balanced Euroblock Input
2. Left Channel Unbalanced Stereo RCA Input
3. Mic/Line Selector Switches for the Balanced Inputs
4. Right Channel Unbalanced Stereo RCA Input
5. Right Channel Balanced Euroblock Input
6. Left Channel Volume Control
7. Right Channel Volume Control
8. Mono/Dual Mode Selector Switch
9. Bass Tone Control
10. Treble Tone Control
11. Amplifier Limiter Switch

Rear Panel



12. AC Power Input Connector
13. Power Switch
14. Power LED Indicator
15. Speaker Output Euroblock Connector

INPUT CONNECTIONS

Single Mono Balanced Microphone or Line Level Input

Perform the following steps to connect a single, balanced microphone or line level input:

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Using a small flat head screwdriver, loosen the three screws in the **RIGHT** channel Euroblock.
3. Insert the ground lead from your balanced input into the ground terminal, then tighten the screws.
4. Insert the negative lead from your balanced input into the - terminal, then tighten the screws.
5. Insert the positive lead from your balanced input into the + terminal, then tighten the screw.
6. If the input is from a microphone, set the right channel **MIC/LINE** switch to the **MIC** position, otherwise set it to the **LINE** position.

7. Set the **MONO/DUAL** switch to the **MONO** position.
8. Continue with the instruction steps in either the *Two Speakers* section or the *Single Bridged Speaker* section.

Single Mono Unbalanced Line Level Input

Perform the following steps to connect a single, unbalanced line level source in mono mode.

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Insert the left channel RCA plug from your unbalanced stereo source into the **RIGHT** channel's **White RCA** jack, then insert the right channel RCA plug from your unbalanced stereo source into the right channel's **Red RCA** jack.
3. Set the **MONO/DUAL** switch to the **MONO** position.
4. Continue with the instruction steps in either the *Two Speakers* section or the *Single Bridged Speaker* section.

Dual Mono Balanced Inputs

Perform the following steps to connect two balanced microphone or line level inputs.

1. Ensure all equipment to be connected is powered off and unplugged from its power source.
2. Using a small flat head screwdriver, loosen the screws in the **LEFT** and **RIGHT** balanced input Euroblock connectors.
3. Insert the ground lead from your first balanced input into the **RIGHT** channel ground terminal, then tighten the screws.
4. Insert the negative lead from your first balanced input into the **RIGHT** channel - terminal, then tighten the screws.
5. Insert the positive lead from your first balanced input into the **RIGHT** channel + terminal, then tighten the screw.
6. If the input is from a microphone, set the **RIGHT** channel **MIC/LINE** switch to the **MIC** position, otherwise set it to the **LINE** position.

7. Repeat steps 3-6 on the **LEFT** channel balanced input for your second balanced input.
8. Set the **MONO/DUAL** switch to the **DUAL** position.
9. Continue with the instruction steps in the *Two Speakers* section.

Dual Mono Unbalanced Line Level Inputs

Perform the following steps to connect two line stereo level sources in dual mono mode.

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Insert the left channel RCA plug from your first unbalanced stereo source into the **RIGHT** channel's **White RCA** jack, then insert the right channel RCA plug from your unbalanced stereo source into the **RIGHT** channel's **Red RCA** jack.
3. Repeat step 2 for the **LEFT** channel input and the second unbalanced source.
4. Set the **MONO/DUAL** switch to the **DUAL** position.
5. Continue with the instruction steps in the *Two Speakers* section.

Stereo Unbalanced Line Level Input

Perform the following steps to connect a stereo line level source in stereo mode.

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Insert the left channel RCA plug from your unbalanced stereo source into the **LEFT** channel's **Red RCA** jack, then insert the right channel RCA plug from your unbalanced stereo source into the **RIGHT** channel's **White RCA** jack.
3. Set the **MONO/DUAL** switch to the **DUAL** position.
4. Continue with the instruction steps in the *Two Speakers* section.

OUTPUT CONNECTIONS

Two Speakers

The amplifier can be connected to two speakers for either dual mono or stereo operation. In this configuration each speaker is driven by a dedicated 60-watt amplifier. In this configuration the amp can drive 4-8 ohm speaker loads. For dual mono operation, the speakers should be located in different zones, while for stereo operation, the speakers should be located in the same zone.

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Using a small flat head screwdriver, loosen the four screws on the output Euroblock connector.
3. Insert the negative lead from the first/left channel speaker into the **LEFT -** connector, then tighten the screw.
4. Insert the positive lead from the first/left channel speaker into the **LEFT +** connector, then tighten the screw.
5. Insert the negative lead from the second/right channel speaker into the **RIGHT -** connector, then tighten the screw.
6. Insert the positive lead from the second/right channel speaker into the **RIGHT +** connector, then tighten the screw.

Single Bridged Speaker

When using a single microphone or unbalanced input, you can either connect two speakers, with each outputting the same audio signal, or you can connect a single speaker in bridged mono mode. In this configuration, the two amplifiers will be bridged to produce a single 120-watt output. In this configuration, the amp can drive an 8-ohm load **ONLY**. Do not connect loads less than 8 ohms!

1. Ensure that all equipment to be connected is powered off and unplugged from its power source.
2. Using a small flat head screwdriver, loosen the **LEFT +** and **RIGHT +** screws on the output Euroblock connector.

3. Insert the negative lead from the speaker into the **LEFT +** connector, then tighten the screw.
4. Insert the positive lead from the speaker into the **RIGHT +** connector, then tighten the screw.

OPERATION

General

- Set the **LIMITER** switch to the **ON** position to reduce the output signal to prevent clipping.
- Use the **BASS** and **TREBLE** knobs to affect the tone of the output signal on both channels, if applicable.

Single Mono Input or Bridged Output

- When using a single mono input to the **RIGHT** channel or when the amplifier is driving a single bridged speaker, the **LEFT VOLUME** knob is inactive. Use the **RIGHT VOLUME** knob to control the output level.

Dual Mono or Stereo Input

- When using dual mono inputs or a single stereo input, use the **LEFT VOLUME** knob to control the output level of the speaker connected to the **LEFT** output and use the **RIGHT VOLUME** knob to control the output level of the speaker connected to the **RIGHT** output.

TECHNICAL SUPPORT

Monoprice is pleased to provide free, live, online technical support to assist you with any questions you may have about installation, setup, troubleshooting, or product recommendations. If you ever need assistance with your new product, please come online to talk to one of our friendly and knowledgeable Tech Support Associates. Technical support is available through the online chat button on our website www.monoprice.com during regular business hours, 7 days a week. You can also get assistance through email by sending a message to tech@monoprice.com

SPECIFICATIONS

Model	18801
Power Output	1x 60 watts, 2x 60 watts, or 1x 120 watts
Frequency Response	50 Hz ~ 18 kHz
Total Harmonic Distortion	less than 0.5% @ 1kHz at 1/3 full power
Microphone Signal-to-Noise Ratio	> 66dB
Line Signal-to-Noise Ratio	> 80dB
Output Impedance	4-8 ohms, 8 ohms only in bridged mode
Microphone Input Sensitivity/Impedance	5mV/600 ohms
Line Input Sensitivity/Impedance	350mV/10 kilohms
Input Power	120 VAC, 50/60 Hz
Dimensions	9.1" x 4.5" x 2.2" (230 x 115 x 56 mm)
Weight	3.6 lbs. (1.65 kg)

REGULATORY COMPLIANCE

Notice for FCC



This device 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.

Modifying the equipment without Monoprice's authorization may result in the equipment no longer complying with FCC requirements for Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

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.

Notice for Industry Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.