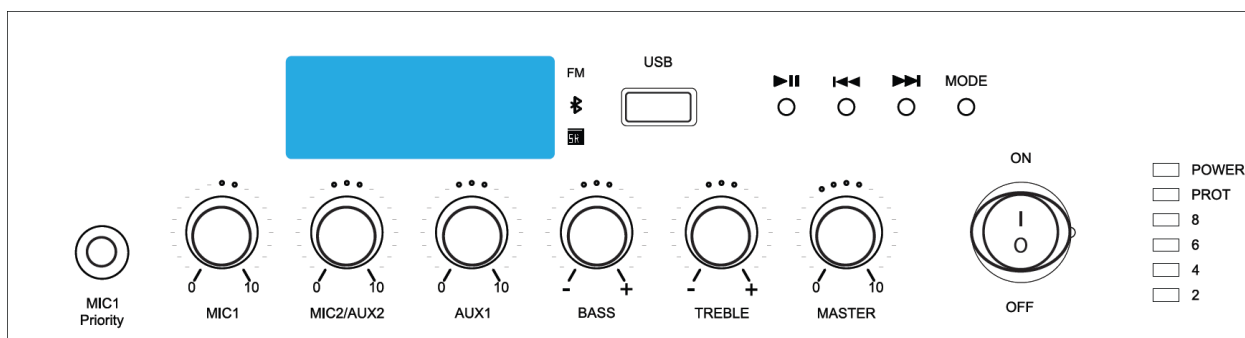


Commercial Audio

60-Watt 70V/100V Mixer Amplifier



P/N 36373

User's Manual

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 a heat source, 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 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 or adapter body.
- Ensure that power is turned off and disconnected before making any electrical connections.
- Remove the batteries from the controller if it will go unused for a lengthy period of time.
- 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.

INTRODUCTION

Thank you for purchasing this Commercial Audio 60-Watt 70V/100V Mixer Amplifier! This amplifier is designed to drive a conventional 4-ohm, 8-ohm, or 16-ohm speaker system, as well as 70-volt and 100-volt constant voltage speaker systems. It features one unbalanced 1/4" microphone input, one balanced XLR microphone input (which can be switched to an unbalanced RCA line level input), and one additional unbalanced RCA line level input. Enjoy background music in your facility by using the included Bluetooth® receiver or the built-in FM tuner.

FEATURES

- Compact public address amplifier
- Supports 4-ohm, 8-ohm, and 16-ohm passive speakers
- Supports 70-volt and 100-volt constant voltage speaker systems
- Delivers 60-watts into a 4 ohm load
- Built-in mp3 player, FM tuner, and Bluetooth® connection
- Includes 1/4" unbalanced and XLR balanced microphone inputs
- Supports phantom power for condenser microphones
- Includes two line inputs and one line output
- Features an EMC priority input
- Includes short circuit, clipping, overload, and over temperature protection circuits
- Can accept 100 ~ 240 VAC, 50/60 Hz or 24 VDC, 4A input power

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 or via email at support@monoprice.com. Check the website for support times and links.

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 public address amplifier

1x IR remote control

1x FM antenna

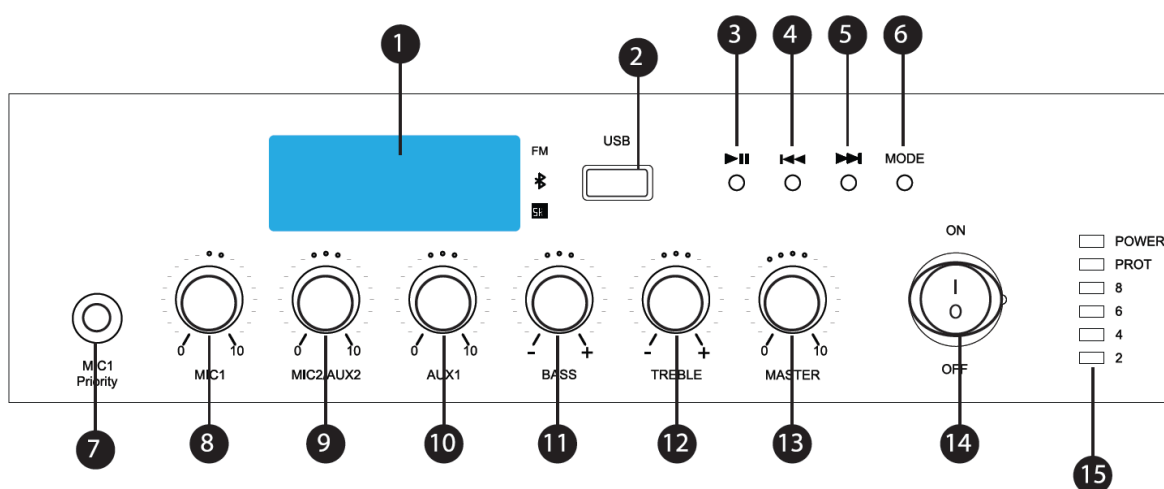
1x 4P 5.08mm wiring terminal

2x 2P 3.81mm wiring terminal

1x User's manual

PRODUCT OVERVIEW

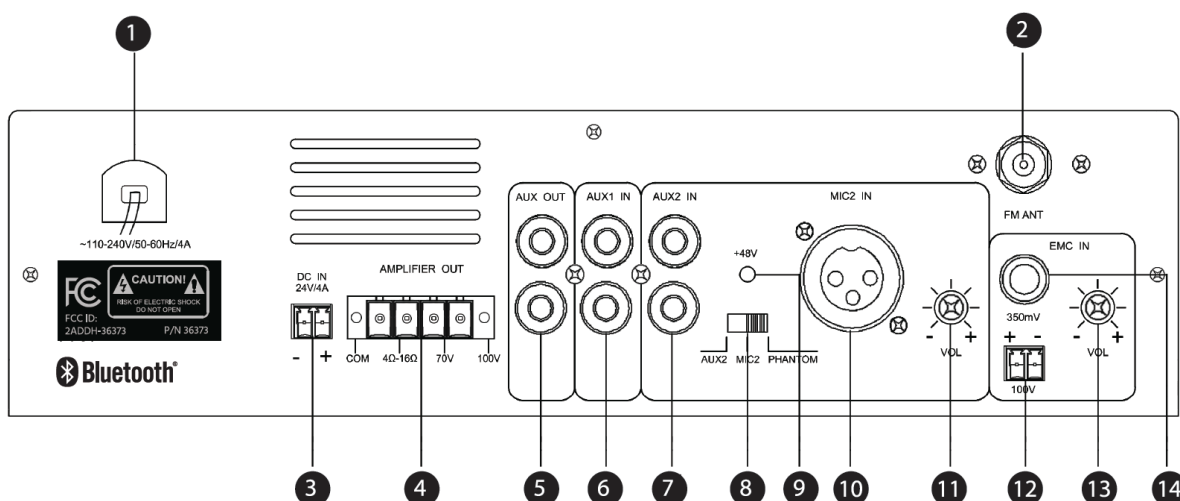
Front Panel



1. **Display:** Displays input, track, and FM radio frequency information.
2. **USB:** USB port for use with a USB flash drive containing mp3 tracks to playback with the built-in mp3 player. The USB port supports USB drives up to 16GB in size.
3. **Play/Pause:** When in mp3 or Bluetooth® mode, momentarily press the button to play, pause, and resume playback. When in FM radio mode, press the button to scan for available radio stations.

4. **Previous:** When in USB and Bluetooth modes, momentarily press the button to skip back to the previous track. When in FM radio mode, momentarily press the button to go back to the previous radio station. In all modes, press and hold the button to reduce the volume level.
5. **Next:** When in USB and Bluetooth modes, momentarily press the button to skip forward to the next track. When in FM radio mode, momentarily press the button to go to the next radio station. In all modes, press and hold the button to increase the volume level.
6. **Mode:** Momentarily press the button to cycle through the Bluetooth, USB, AUX Input, and FM radio modes.
7. **MIC1 Priority:** 1/4" TS jack for use with a dynamic microphone. This input has priority over all other inputs, except the EMC input.
8. **MIC1:** Adjusts the volume of the MIC1 input.
9. **MIC2/AUX2:** Adjusts the volume of the MIC2/AUX2 input.
10. **AUX1:** Adjusts the volume of the AUX1 input.
11. **BASS:** Adjusts the volume of low frequencies.
12. **TREBLE:** Adjusts the volume of high frequencies.
13. **MASTER:** Adjusts the volume level of all inputs, except the EMC input.
14. **ON/OFF:** Power switch to turn the amplifier on or off.
15. **Indicators:** The **POWER** LED illuminates when power is applied. The **PROT** LED illuminates when one of the protective circuits is activated. The **2, 4, 6, and 8** LEDs indicate the output level.

Rear Panel

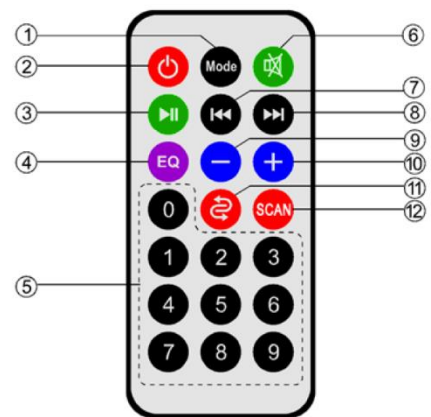


- 1. Power Cord:** Plug the power cord into a nearby AC power outlet. This amplifier accepts 110 ~ 240 VAC, 50/60 Hz, 4A.
- 2. FM ANT:** Connector for attaching the included FM antenna.
- 3. DC IN:** Alternative power input for use with a 24 VDC, 4A power source.
- 4. AMPLIFIER OUT:** Terminals for connecting passive or constant voltage speaker systems.
- 5. AUX OUT:** Line level output RCA jacks.
- 6. AUX1 IN:** Line level input RCA jacks.
- 7. AUX2 IN:** Line level input RCA jacks.
- 8. AUX2/MIC2:** Switch to select either the AUX2 line level input or the MIC2 input. When the switch is in the **MIC2** position, the XLR jack is configured for use with a dynamic microphone. When set to the **PHANTOM** position, the XLR jack is configured to provide +48V phantom power for use with a condenser microphone.
- 9. +48V:** The LED indicator illuminates when the AUX2/MIC2 switch is set to the **PHANTOM** position for use with a condenser microphone.
- 10. MIC2:** XLR jack for connecting a balanced dynamic or condenser microphone.
- 11. VOL:** Gain control for the AUX2/MIC2 input.
- 12. 100V:** Terminals for accepting a 100V emergency signal input.

13. **VOL:** Gain control for the EMC input.
14. **EMC IN:** Secondary 350mV emergency input.

Remote Control

1. **Mode:** Press the **Mode** button to cycle through the Bluetooth®, USB, AUX Input, and FM radio modes.
2. **Power:** Press the **Power** button to turn the amplifier on or off.
3. **Play/Pause:** When in mp3 or Bluetooth® mode, momentarily press the button to play, pause, and resume playback. When in FM radio mode, press the button to scan for available radio stations.
4. **EQ:** Press the **EQ** button to cycle through Normal, Pop, Rock, and Jazz EQ effects.
5. **Numbers:** When in FM radio mode, use the number buttons to directly input an FM frequency.
6. **Mute:** Press the **Mute** button to turn audio muting on or off.
7. **Previous:** When in USB and Bluetooth modes, momentarily press the button to skip back to the previous track. When in FM radio mode, momentarily press the button to go back to the previous radio station.
8. **Next:** When in USB and Bluetooth modes, momentarily press the button to skip forward to the next track. When in FM radio mode, momentarily press the button to go to the next radio station.
9. **Volume -:** Press the button to decrease the volume level.
10. **Volume +:** Press the button to increase the volume level.
11. **Cycle:** Toggles between the **Play All** (once) and **Repeat All** play modes.
12. **SCAN:** Not used.



OPERATING MODES

Mic1

The MIC1 input has priority over all other inputs, except the EMC input. When a signal is detected, the amplifier automatically mutes all other inputs. When the signal is removed, the amplifier will return to normal playback mode.

Bluetooth

To activate Bluetooth® mode, press the **MODE** button until the word **BLUE** is displayed on screen. If no paired device is found, the word **BLUE** will flash, indicating that it is in Bluetooth pairing mode. To pair your mobile device, open the device's Bluetooth settings, then scan for nearby devices. Locate and select the **MP36373** entry.

USB

When a USB flash drive is inserted into the **USB** port, the amplifier will automatically switch to USB mode and will use the built-in mp3 player to playback audio tracks from the USB drive.

AUX

To select the line level input, press the **MODE** switch until the word **AUX** appears on screen.

FM

In FM mode, press the **Play/Pause** button on the front panel or on the remote control to scan for available stations. Press the **Previous** button on the front panel or on the remote control to skip back to the previous station. Press the **Next** button on the front panel or on the remote control to skip to the next station. Use the number buttons on the remote control to directly tune to a specific frequency.

SPECIFICATIONS

Model	36373
Output Power	60 watts into 4 ohms
Speaker Outputs	4-ohm, 8-ohm, 16-ohm, 70V, 100V
Inputs	1/4" TS unbalanced MIC1, RCA line level AUX1, RCA line level AUX2, XLR balanced MIC2, EMC
Input Priority	EMC > MIC1 > all others
MIC1 Input Sensitivity	5mV
MIC2 Input Sensitivity	5mV
AUX1 Input Sensitivity	350mV
AUX2 Input Sensitivity	350mV
EMC Input Sensitivity	350mV
MIC Frequency Response	180 Hz ~ 10 kHz ± 3 dB
AUX Frequency Response	70 Hz ~ 16 kHz ± 3 dB
Noise	< 5mV (4 ohm load)
Total Harmonic Distortion	< 1% @ 1kHz
Treble and Bass Adjustment	10dB ± 2 dB
Protection Circuits	Short circuit, clipping, overload, over temperature
Input Power	110 ~ 240 VAC, 50/60 Hz, 4A OR 24 VDC, 4A
Bluetooth® Pairing ID	MP36373
Dimensions	9.7" x 7.8" x 2.6" (247 x 198 x 66 mm)
Weight	5.7 lbs. (2.6 kg)

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 or through email by sending a message to tech@monoprice.com. Check the website for support times and links.

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.

Radio Notice for FCC



Caution

This FCC Part 15 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Monoprice, including the use of non-approved antennas, could void the user's authority to operate this device.

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.

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.

Radio Notice for Industry Canada



Caution

This IC RSS-210 radio device operates on a non-interference basis with other devices operating at this frequency. Any changes or modification to said product not expressly approved by Monoprice, including the use of non-approved antennas, could void the user's authority to operate this device.

This device complies with IC RSS-210. 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.

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