

P/N 604212

APS 12 400W 12 inch

2 Way Active PA System with 3 Channel Mixer

P/N 604215

APS 15 400W 15 inch

2 Way Active PA System with 3 Channel Mixer



User's Manual

SAFETY WARNINGS AND GUIDELINES

- Do not stack this speaker in such a way that it could fall on people or animals if it was to become dislodged.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- 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.
- If operating this speaker in a humid environment, ensure that no condensation occurs. Condensation could cause damage to the speaker cone and could cause a short in the amplifiers, which in turn could cause fire or severe electric shock.
- 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, stage lights, smoke machines, etc. Do not leave it in direct sunlight.
- 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.
- 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.
- 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.

- When installing this device, ensure that the mount is sufficiently robust to support the weight of the unit and to prevent unwanted movement.

INTRODUCTION

The APS 12 and APS 15 active PA speakers are equipped with a ø35mm pole socket for mounting on most standard speaker stands, such as the **Monoprice 602350 PA Speaker Stands with Air Cushion**. They also have two M8x15mm suspension points for permanent installations. Suspension of the speaker should ONLY be performed by a qualified Structural Contractor or Engineer. Please follow all safety guidelines and codes for your area. Monoprice is not responsible for failure and damages due to improper mounting practices.

FEATURES

- 12" woofer with 2.5" voice coil and 50 oz. ferrite magnet (604212) or 15" woofer with 3" voice coil and 60 oz. ferrite magnet (604215)
- 1.35" (604212) or 1.75" (604215) titanium compression driver on 1" throat horn
- 3.8kHz (604212) or 4.2kHz (604215) crossover frequency
- 102dB (604212) or 106dB (604215) sensitivity
- 112dB (604212) or 114dB (604215) sound pressure level (SPL)
- 20Hz ~ 20kHz frequency response
- Built-in 350 watt LF amplifier and 50 watt HF amplifier
- 90° horizontal and 60° vertical coverage
- ø35mm pole mounting option
- 2x M8x15mm suspension point mounting option

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 12-inch (604212) or 15-inch (604215) 2-Way Active PA Speaker

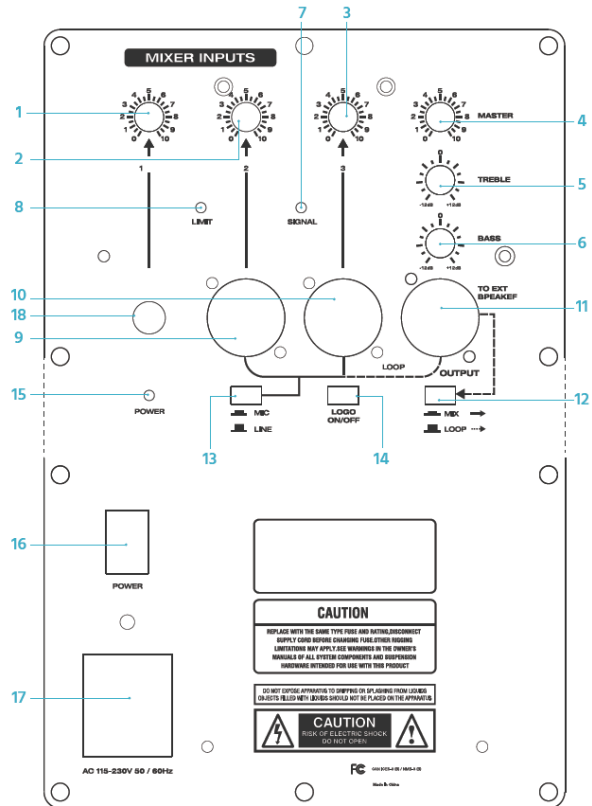
1x AC Power Cord (NEMA 5-15 to IEC 60320 C13)

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

PRODUCT OVERVIEW

1. Channel 1 Volume Control
2. Channel 2 Volume Control
3. Channel 3 Volume Control
4. Master Volume Control
5. Treble Control (-12 ~ +12 dB @ 10kHz)
6. Bass Control (-12 ~ +12 dB @ 100Hz)
7. Signal LED Indicator (illuminates whenever an audio input signal is present)
8. Limit LED Indicator (illuminates whenever the system limiter is active)
9. Channel 2 Input Connector (combination XLR Mic / 1/4" TS/TRS line In)



10. Channel 3 Input Connector (combination XLR Mic / 1/4" TS/TRS line In)
11. Balanced Mix Output Connector (XLR)
12. Output Type Selector Switch (Mix or Loop - Mix outputs whatever is heard on the speaker, Loop outputs a pass-through signal from the mixed Channels 2 and 3 Inputs only)
13. Channels 2 and 3 Input Type Selector Button (Mic or Line)
14. Logo Backlighting Switch (turns the LED backlighting for the front panel logo on or off)
15. Power LED Indicator
16. Power Switch
17. AC Power Input Socket (IEC 60320 C14)
18. Channel 1 Line Input Connector (1/4" TS/TRS)

SPECIFICATIONS

Model	604212	604215
Frequency Response	50Hz ~ 20kHz	40Hz ~ 20kHz
Nominal Coverage	90° horizontal, 60° vertical	
Low Frequency Driver	12" cone with 2.5" voice coil and 50 oz. ferrite magnet	15" cone with 3" voice coil and 60 oz. ferrite magnet
High Frequency Driver	1.35" titanium compression driver on 1" throat horn	1.75" titanium compression driver on 1" throat horn
Crossover Frequency	3.8 kHz	4.2 kHz
Output Power (RMS)	Low Frequency: 350 watts, High Frequency: 50 watts	
Output Power (Max)	Low Frequency: 700 watts, High Frequency: 100 watts	
High Frequency Protection	PTC	
Sensitivity (1 watt/1 meter, max output)	102dB	106dB
Maximum Output (SPL)	112dB	114dB
Inputs	1x 1/4" TS/TRS, 2x Combination XLR / 1/4" TS/TRS	
Input Power	115 VAC, 50/60 Hz	
Power Consumption	16 watts	
Mounting Points	2x M8x15mm eyebolts on top	
Pole Socket	ø35mm socket on bottom	
Dimensions	25.0" x 16.9" x 14.2" (635 x 430 x 360 mm)	29.1" x 19.1" x 15.7" (740 x 485 x 400 mm)
Weight	35.3 lbs. (16 kg)	44.1 lbs. (20 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.