

MONOPRICE®

PRO AUDIO SERIES

10-Inch Powered **Subwoofer**



605999

SAFETY WARNINGS AND GUIDLINES

- 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.
- This device is intended for indoor use only.
- 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 subwoofer's amplifier, which in turn could cause fire or severe electric shock.
- 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.
- Disconnect the unit from the power source when replacing the fuse. Replace the fuse only with the same type.
- Ensure that the power outlet used to connect this device does not exceed the rated maximum voltage, listed on the back panel of the device.
- Ensure that power is turned off and disconnected before making any electrical connections. Disconnect the speaker from the power source during lightning storms or 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.
- When disconnecting the power cord do not pull on the cord itself. Instead, grasp the plug connector head to disconnect it from the power socket.
- Do not bypass the purpose of the fuse by shorting the contacts or by any other means. If the fuse blows or breaks, replace it with the type specified for your mains voltage in the Specifications section of this manual.
- Install the subwoofer in a place where the power plug can be readily accessible, so that you can quickly unplug the unit in the event that a safety incident occurs.
- This device has no user serviceable parts. Do not attempt to open, service, or modify this device.
- Do not use chemical cleaners or solvents to clean the cabinet. Use only a soft dry cloth. For stubborn dirt, moisten the cloth with warm water.

INTRODUCTION

Thank you for purchasing this 10-inch Powered Studio Reference Subwoofer from Monoprice!

This is a studio-quality subwoofer designed to be integrated with your studio monitors, for use with recording, mixing, and mastering duties. This subwoofer features a built-in 200-watt (RMS) class AB amplifier. Designed for professional use, it features balanced XLR, balanced TRS, and unbalanced TS audio inputs and outputs.

CUSTOMER SERVICE

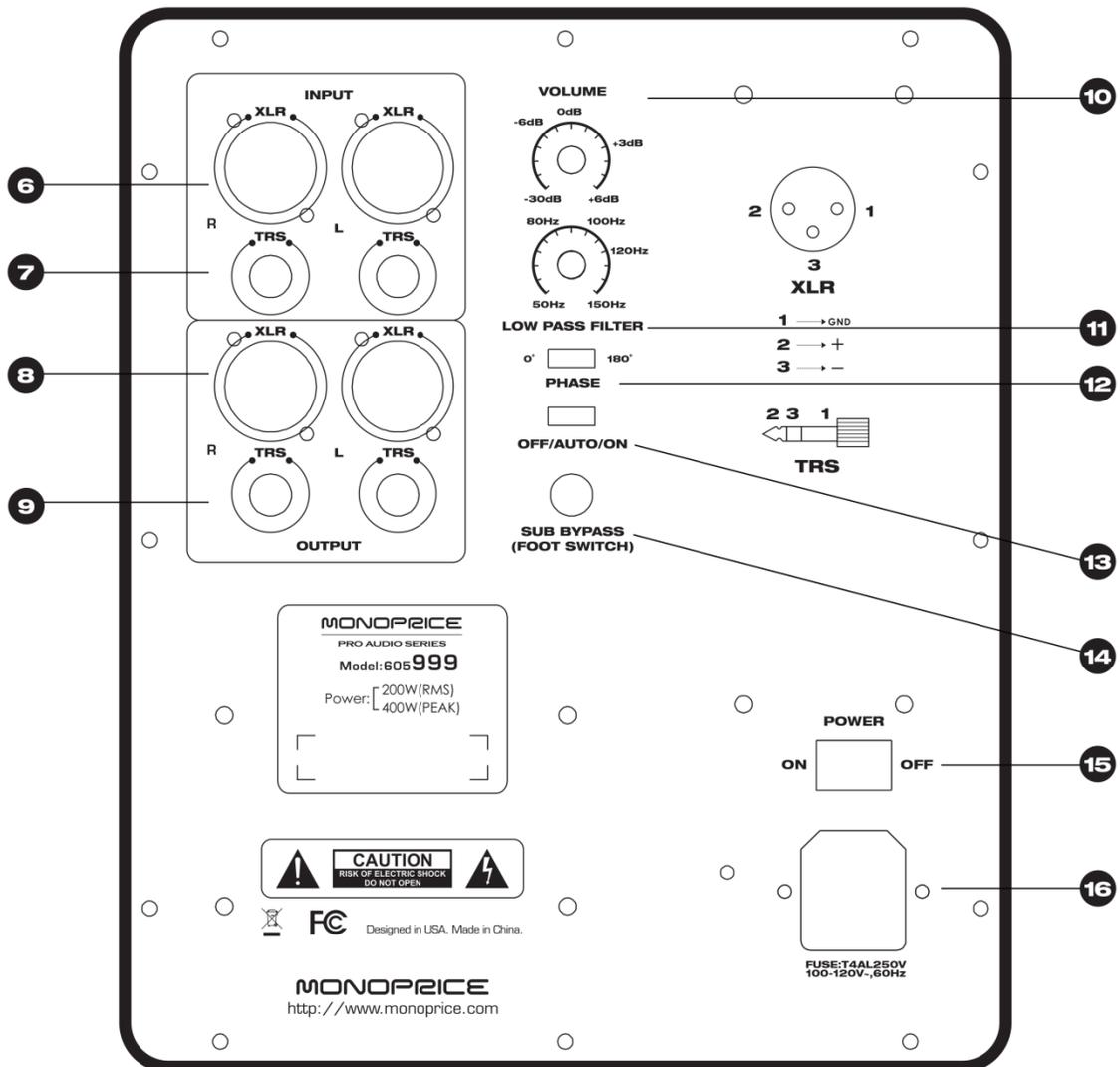
The Monoprice Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact a Monoprice Customer Service representative through the 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

After receiving the product, please inventory the contents to ensure you have all the proper parts, as listed below. If anything is missing or damaged, please contact Monoprice Customer Service for a replacement.

- 1x 10" powered studio reference subwoofer with removable grill

- 1x AC power cord (IEC 60320 C13 to NEMA 5-15)



CONTROLS AND CONNECTIONS

1. **Subwoofer** - The subwoofer is a 10" fiberglass composite cone.
2. **Cloth Grille** - This removable grille is designed to protect the driver from foreign objects and debris without interfering with the sound.
3. **Cabinet** - The cabinet is constructed of medium-density fiberboard (MDF) and features internal acoustic material and foam designed to enhance audio reproduction, while reducing vibration and distortion.

4. **Amplifier** (not shown) - This subwoofer is powered by a 200-watt (RMS) power amplifier. This amplifier will provide the driver with all the needed power, while ensuring the sound is crisp, clean, loud, and distortion free at all times.
5. **Bass Reflex Port** - This specially tuned port is designed to allow bass signals to escape from the rear of the enclosure. The shape and size of this port enhances the bass response, resulting in a fuller sound.
6. **XLR Inputs** (Left + Right) - This subwoofer includes a pair of XLR connectors for balanced signal inputs. The pin out is printed on the back of the subwoofer and is as follows for XLR connectors:

XLR pin 1 = ground signal (shield)

XLR pin 2 = positive signal (+)

XLR pin 3 = negative signal (-)

7. **TRS Inputs** (Left + Right) - This subwoofer can accept balanced or unbalanced TRS or unbalanced TS inputs. The TRS input will override the XLR input at all times (i.e., if there is signal running into the XLR inputs and a cable is plugged into the TRS input, the XLR signal will not come through). The pin out is printed on the back of the subwoofer and is as follows for TRS connectors:

TRS Tip = positive signal (+)

TRS Ring = negative signal (-)

TRS Sleeve = ground signal (sleeve)

8. **XLR Outputs** (Left + Right) - This subwoofer includes a pair of XLR connectors for balanced signal outputs. These connections output only those frequencies that are above the low-pass filter's cutoff point.
9. **TRS Outputs** (Left+ Right) - This subwoofer includes a pair of balanced or unbalanced TRS or unbalanced TS outputs. These connections output only those frequencies that are above the low-pass filter's cutoff point.
10. **Volume Control** - Rotate this knob clockwise to increase volume and counterclockwise to decrease volume.
11. **Low Pass Filter** - This knob will determine which frequencies are sent to the subwoofer and which are cutoff and sent to the outputs. Rotate the knob clockwise to increase the cutoff frequency to a maximum of 150Hz. Rotate the knob counterclockwise to decrease the cutoff frequency to a minimum of 50Hz.

12. **Phase Switch** - Depending on the location of the subwoofer, its sound may arrive at your ears out of phase with the sound from the full-range monitors. Use this switch to change the phase of the sound coming from the subwoofer by 180 degrees. In most cases the correct phase coincides with the louder output.
13. **OFF/AUTO/ON Switch** - Use this switch to select your preferred method of operation. With the switch set to the OFF position, the subwoofer will be off and any input signal will be passed through to the outputs to drive other speakers. With the switch set to the AUTO position, the subwoofer will automatically shut down when no signal is present and will turn on when a signal is detected. With the switch set to the ON position, the subwoofer is always on, regardless of whether or not it is receiving a signal.
14. **Sub Bypass (Foot Switch)** - Connect a foot switch (not included) to this 1/4" TS jack. When the foot switch is engaged, the subwoofer and crossover are bypassed, allowing the original, full-range signal to be sent to the outputs. This allows you to compare your mixes with and without the subwoofer handling the lower frequencies.
15. **Power Switch** - This switch turns your subwoofer on and off.
16. **AC Jack** - This AC input accepts a power cable with a grounded IEC 60320 C14 plug on one end and a grounded NEMA 5-15 plug on the other. The appropriate AC cable is supplied with the unit. If you need a replacement or want a longer cord, use a cord with the exact same connectors and at least the same wire gauge.
17. **Fuse Holder** - A fuse is used to protect the amplifier and crossover circuit from excessive current. The fuse used is a T4AL 250V fuse. Replace the fuse only with the exact same type.

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

| Performance | |
|---------------------------|--|
| Amplifier Type | Class AB |
| Frequency Response | 20 ~ 150 Hz |
| Low Pass Filter Frequency | 50 ~ 150 Hz (Variable) |
| S/N Ratio | >90dB (A-weighted) |
| THD | <0.03% @ Rated Power |
| Amplifier Power | 200 watts (RMS)/ 400 watts (Peak) |
| Peak SPL at 1m | 110dB |
| Woofer | 10" fiberglass composite cone |
| Inputs | 2-XLR Balanced, 2-TRS Balanced/Unbalanced |
| Outputs | 2-XLR Balanced, 2-TRS Balanced/Unbalanced |
| User Controls | |
| Input Gain Control | -30 to +6dB |
| Polarity Switch | 0 or 180 degrees |
| Bypass Footswitch | On/Off |
| Mode Switch | Off/Auto/On |
| Protection | |
| Output-Current Limiting | Yes |
| Over-Temperature | Yes |
| Turn-on/off Transient | Yes |
| Subsonic Filter | Yes |
| General | |
| External Mains Fuse | T4AL 250V |
| Input Power | 100 ~ 120 VAC, 50/60 Hz |
| Cabinet | Vinyl-laminated MDF with cloth grille |
| Dimensions | 12.5" x 14.5" x 15.0" (320 x 369 x 381 mm) |
| Weight | 44 lbs. (20 kgs) |