

Proficient PAS11606 / C606

Proficient Audio C606 Protege 6.5" Ceiling Speakers

USER MANUAL

[Box](#) [Setup](#) [Operating](#) [Introduction](#) [Product Overview](#) [What's in the](#)
[Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. Introduction

Welcome to the user manual for your Proficient Audio C606 Protege 6.5" Ceiling Speakers. This manual provides essential information for the proper installation, operation, and maintenance of your new audio system components. Please read this manual thoroughly before beginning installation to ensure optimal performance and longevity of your speakers.

2. Product Overview

The Proficient Audio C606 Protege ceiling speakers are designed to deliver high-quality audio discreetly within your living space. With a 6.5" polypropylene woofer and a 0.75" fixed soft-dome tweeter, these speakers provide clear highs and satisfying bass response, making them suitable for various home audio applications.



Image: Two Proficient Audio C606 ceiling speakers. The speaker on the left shows its white, perforated grille, while the speaker on the right has its grille partially removed, revealing the dark gray frame, the central woofer, and the smaller tweeter mounted within. This illustrates the design of the speaker with and without its protective cover.

Key Features:

- **75W Power Handling:** Capable of handling up to 75 watts of power.
- **6.5" Polypropylene Woofers:** Delivers robust and clear bass frequencies.
- **0.75" Soft Dome Tweeters:** Provides crisp and detailed high-frequency sound.
- **Frequency Response:** 45Hz-20kHz, ensuring a wide range of audible sound.
- **Impedance:** 8 Ohm, compatible with most standard audio receivers and amplifiers.

3. What's in the Box

Upon opening the package, please verify that all components are present and undamaged:

- Two (2) Proficient Audio C606 6.5" 2-way Poly Ceiling Speakers

If any items are missing or damaged, please contact your retailer or Proficient Audio customer support immediately.

4. Setup and Installation

Proper installation is crucial for optimal sound performance and safety. If you are unsure about any step, it is recommended to consult a professional installer.

4.1 Safety Precautions

- Always disconnect power to the circuit before working with electrical wiring.
- Wear appropriate safety gear, including eye protection and gloves.
- Ensure wiring complies with local electrical codes.

4.2 Tools Required

- Drill
- Drywall saw or utility knife
- Wire strippers
- Screwdriver (Phillips head)
- Measuring tape
- Pencil

4.3 Installation Steps

1. **Plan Speaker Placement:** Determine the ideal location for your speakers in the ceiling, ensuring they are equidistant from listening positions for balanced sound. Avoid placing them directly under joists or other obstructions.
2. **Cut Mounting Hole:** Use the provided template (if included, or measure the speaker's cutout diameter) to trace the hole on the ceiling. Carefully cut the hole using a drywall saw.
3. **Run Speaker Wire:** Route speaker wire (minimum 16-gauge recommended for runs under 50 feet, 14-gauge for longer runs) from your amplifier/receiver to each speaker opening. Leave enough slack for connection.
4. **Connect Wiring:** Strip approximately 1/2 inch of insulation from the ends of the speaker wires. Connect the positive (+) terminal of the speaker to the positive (+) terminal of the amplifier, and the negative (-) terminal of the speaker to the negative (-) terminal of the amplifier. Ensure correct polarity for all speakers. The C606 speakers have an impedance of 8 Ohms.
5. **Mount Speakers:** Insert the speaker into the cutout hole. Tighten the mounting screws (usually located on the front baffle) which will engage the dog-leg clamps to secure the speaker firmly to the ceiling. Do not overtighten.
6. **Attach Grille:** Once the speaker is securely mounted, attach the magnetic grille to the speaker frame.

5. Operating Your Speakers

After successful installation, you can begin using your Proficient Audio C606 speakers.

1. **Connect to Amplifier/Receiver:** Ensure your amplifier or receiver is properly connected to a power source and your audio input devices (e.g., smartphone, laptop, television).
2. **Power On:** Turn on your amplifier/receiver.
3. **Select Input:** Choose the appropriate audio input source on your amplifier/receiver.
4. **Adjust Volume:** Start with a low volume level and gradually increase it to your desired listening level. Avoid excessively high volumes that may cause distortion or damage to the speakers.

5. **Sound Optimization:** Depending on your amplifier, you may have options to adjust bass, treble, or other equalization settings to fine-tune the sound to your preference and room acoustics.

6. Maintenance

Your Proficient Audio C606 speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Dust the speaker grilles periodically with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the speaker components. Do not use harsh chemicals or abrasive cleaners.
- **Grille Painting (Optional):** The grilles can be painted to match your ceiling color. Use a light coat of spray paint designed for plastics. Ensure the paint does not clog the grille perforations, as this can affect sound quality.
- **Environmental Conditions:** Avoid exposing speakers to extreme temperatures, high humidity, or direct sunlight, which can degrade materials over time.

7. Troubleshooting

If you encounter issues with your speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	Amplifier/receiver not powered on.	Ensure amplifier is on and not in standby.
	Incorrect input selected on amplifier.	Select the correct audio input source.
	Loose or incorrect speaker wiring.	Check all speaker wire connections at both the speaker and amplifier ends for proper polarity and secure fit.
	Volume too low.	Increase volume gradually.
Distorted or unclear sound	Volume too high, causing clipping.	Reduce volume.
	Poor quality audio source.	Try a different audio source.
	Damaged speaker wire.	Inspect speaker wires for cuts or fraying.
	Incorrect amplifier settings (e.g., bass/treble too high).	Adjust amplifier tone controls to a neutral setting.
One speaker not working	Loose connection for that specific speaker.	Check wiring for the non-working speaker at both ends.
	Speaker wire short circuit.	Inspect wire for damage or shorting.
	Balance setting on amplifier.	Check amplifier's balance control.

If the problem persists after trying these solutions, please contact Proficient Audio customer support or a qualified technician.

8. Specifications

Feature	Detail
Model Name	C606

Feature	Detail
Speaker Type	Woofer
Recommended Uses	For Improving Home Audio Quality
Compatible Devices	Smartphone, Laptop, Television
Woofer Diameter	6.5 Inches
Tweeter Diameter	0.75 Inches
Unit Count	2.0 Count (Pair)
Surround Sound Channel Configuration	2.0
Color	Black (Speaker components), White (Grille)
Included Components	6.5" 2-way Poly Ceiling Speakers
Impedance	8 Ohm
Is Waterproof	FALSE
Number of Items	2
Control Method	Touch
Power Source	Corded Electric (via amplifier)
Speaker Maximum Output Power	75 Watts
Connectivity Technology	Wired
Audio Output Mode	Stereo, Surround Sound
Mounting Type	Ceiling Mount
Product Dimensions	13.1 x 11.2 x 10.8 inches (packaging)
Item Weight	8.68 pounds (pair)
Manufacturer	Petra Industries, Inc. - Consumer Electronics Replen
Model Number	PAS11606 / C606
UPC	664254014253

9. Warranty & Support

9.1 Limited Warranty

Proficient Audio C606 speakers come with a**Limited Warranty**. Please refer to the warranty card included with your product or visit the official Proficient Audio website for detailed terms and conditions regarding warranty coverage, duration, and claims procedures.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Proficient Audio customer support. Contact information can typically be found on the manufacturer's official website or on the product packaging.

When contacting support, please have your product model number (C606 or PAS11606) and purchase information readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question