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PRV AUDIO WGP14-25 GOLD-S

PRV AUDIO WGP14-25 GOLD-S Waveguide Instruction Manual

Model: WGP14-25 GOLD-S | Brand: PRV AUDIO

PRODUCT OVERVIEW

The PRV Audio WGP14-25 GOLD-S is a 1-inch exit horn screw-on waveguide designed to enhance sound dispersion for compression drivers. Its gold finish and slim profile make it suitable for various applications, including outdoor and automotive use. Constructed from non-resonant ABS plastic, this waveguide maintains acoustic loading down to 600 Hz.



Image: Angled view of the PRV AUDIO WGP14-25 GOLD-S waveguide, showcasing its gold finish and screw-on throat.

Key Features:

- Under 4 inches of mounting depth for easy installation in confined spaces.
- 1-inch exit throat compatible with most 1-inch compression drivers.
- Constructed from non-resonant reinforced ABS plastic for durability.
- Minimum recommended frequency of 600 Hz for optimal acoustic performance.
- UV resistant gold finish for prolonged outdoor and automotive use.

SETUP AND INSTALLATION

The WGP14-25 GOLD-S waveguide is designed for straightforward installation with compatible 1-inch compression drivers. Ensure proper handling to avoid damage to the threads.

Mounting Instructions:

1. **Prepare the Mounting Surface:** Ensure the mounting surface has a baffle cutout with a width of 5.51 inches (140 mm) to accommodate the waveguide.
2. **Attach Compression Driver:** Carefully screw the 1-inch compression driver onto the 1-3/8 inch - 18 TPI threaded throat of the waveguide. *Do not overtighten*, as the waveguide is made of plastic and excessive force can damage the threads.
3. **Secure the Waveguide:** Position the waveguide in the prepared cutout. Use appropriate screws (not included) through the mounting holes on the waveguide flange to secure it firmly to the enclosure.

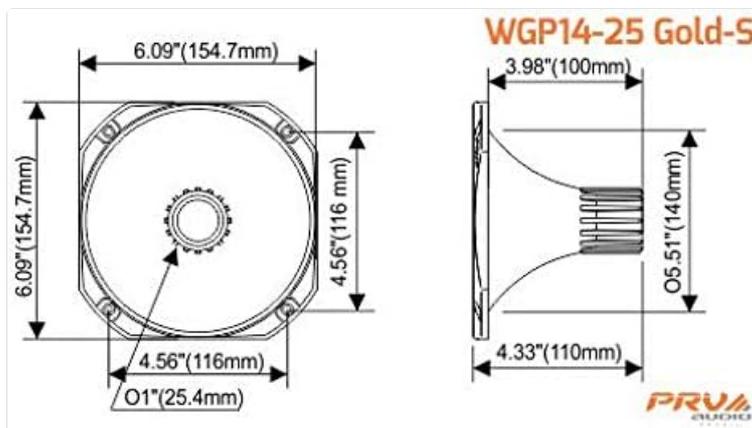


Image: Technical drawing showing the dimensions of the WGP14-25 GOLD-S waveguide, including height, width, depth, mount depth, and baffle cutout specifications. This diagram is crucial for planning installation.



Image: Top-down and side-angled views of the PRV AUDIO WGP14-25 GOLD-S waveguide, illustrating its compact design and screw-on throat for driver attachment.

OPERATING CONSIDERATIONS

The WGP14-25 GOLD-S waveguide is designed to provide a 45° x 45° nominal coverage pattern, optimizing sound dispersion from your compression driver. For best acoustic performance, ensure the compression driver connected to this waveguide operates within its recommended frequency range, with the waveguide maintaining acoustic loading down to 600 Hz.

This waveguide is suitable for both indoor and outdoor applications, as well as automotive installations, due to its durable ABS plastic construction and UV-resistant finish.

MAINTENANCE

To ensure the longevity and optimal performance of your PRV AUDIO WGP14-25 GOLD-S waveguide, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to wipe down the surface of the waveguide. Avoid abrasive cleaners or solvents, as these can damage the gold finish and plastic material.
- **Inspection:** Periodically inspect the waveguide for any signs of physical damage, cracks, or loose mounting screws. Ensure the connection to the compression driver remains secure.
- **Storage:** If storing the waveguide for an extended period, keep it in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

This section addresses common concerns related to the PRV AUDIO WGP14-25 GOLD-S waveguide.

Common Issues:

- **Loose Connection to Driver:** If sound quality is poor or intermittent, check that the compression driver is securely screwed onto the waveguide. Ensure it is tightened sufficiently but not overtightened to prevent thread damage.
- **Damaged Threads:** If the waveguide's threads are stripped or damaged, it may not form a proper seal with the compression driver, leading to air leaks and degraded sound. In such cases, the waveguide may need replacement.
- **Improper Mounting:** Ensure the waveguide is securely mounted to the enclosure. Vibrations from a loose mount can affect sound clarity and potentially damage the unit over time.

For issues not covered here, please refer to the support information provided in the Warranty and Support section.

SPECIFICATIONS

Feature	Detail
Model Number	WGP14-25 GOLD-S
Brand	PRV AUDIO
Throat Diameter	1 inch (25.4 mm)
Mounting Type	Screw-on
Thread Dimensions	1-3/8 inch - 18 TPI
Nominal Coverage (Horizontal)	45°
Nominal Coverage (Vertical)	45°
Flare Type	Exponential
Material	Plastic (ABS)
Finish / Coating	Gold
Height	6.09 inches (154.7 mm)
Width	6.09 inches (154.7 mm)
Depth	4.33 inches (110 mm)
Mount Depth	3.98 inches (100 mm)
Baffle Cutout Width	5.51 inches (140 mm)
Net Weight	0.2 lb (0.09 kg)
Minimum Recommended Frequency	600 Hz



Image: A visual comparison of the WGP14-25 GOLD-S waveguide with other color variants (chrome, blue, red, black, white) of the same model, highlighting the gold finish.



Image: A comparative display of PRV AUDIO waveguides, showing the 1-inch exit screw-on models (like WGP14-25 GOLD-S) alongside 2-inch exit bolt-on models, illustrating different mounting and exit options.

WARRANTY AND SUPPORT

For detailed warranty information and customer support regarding your PRV AUDIO WGP14-25 GOLD-S waveguide, please refer to the official PRV AUDIO website or contact their customer service directly. Specific warranty terms and support channels may vary by region.

You can often find support contact information on the manufacturer's official product page or within the original product packaging.

Manufacturer: PRV AUDIO

Website: www.prvaudio.com