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 - › Thermaltake Pacific G1/4 Male to Male 30mm Extender - Chrome (Model: CL-W044-CU00SL-A) User Manual

Thermaltake CL-W044-CU00SL-A

**Thermaltake Pacific G1/4 Male to Male 30mm Extender - Chrome
(Model: CL-W044-CU00SL-A) User Manual**

Comprehensive instructions for installation, maintenance, and specifications.

1. INTRODUCTION

This manual provides essential information for the proper installation and maintenance of your Thermaltake Pacific G1/4 Male to Male 30mm Extender. This fitting is designed to extend the connection between two G1/4 threaded components within a custom PC water cooling loop, offering flexibility in component placement and loop routing.

The Thermaltake Pacific Series Extender fittings are crafted to provide a reliable and secure connection, ensuring optimal performance for enthusiast and custom PC builders.



Figure 1.1: Front view of the Thermaltake Pacific G1/4 Male to Male 30mm Extender, showcasing its chrome finish and G1/4 threading with an O-ring.

2. PRODUCT FEATURES

- **High-Quality Construction:** Finished in chrome-plated brass, ensuring durability and a premium aesthetic.
- **Secure Sealing:** Includes two quality O-rings for a leak-free connection.
- **Optimal Length:** This specific model provides a 30mm extension length, facilitating easier fitting installation and flexible loop management.
- **Universal Compatibility:** Features standard G1/4 male threading on both ends, compatible with a wide range of water cooling components.
- **Branded Design:** Features a side-printed Tt logo, indicating genuine Thermaltake quality.

3. PACKAGE CONTENTS

Please verify that all components are present and in good condition upon opening the package.

- 1x Thermaltake Pacific G1/4 Male to Male 30mm Extender (Chrome)

4. SETUP AND INSTALLATION

Proper installation is crucial for preventing leaks and ensuring the longevity of your water cooling system. Follow these steps carefully:

1. **Inspect Components:** Before installation, carefully inspect the extender fitting and the components it will connect to (e.g., radiators, pumps, reservoirs, blocks). Ensure all threads are clean and free of debris. Verify that the O-rings on the extender are properly seated and undamaged.
2. **Prepare Connection Points:** Ensure the G1/4 female ports on your water cooling components are clean and ready for connection.
3. **Thread the Extender:** Gently thread one end of the 30mm extender into the G1/4 female port of your first component. Turn clockwise until finger-tight. Do not overtighten at this stage.
4. **Connect Second Component:** Align the second water cooling component with the other end of the extender. Gently thread the extender into the G1/4 female port of the second component. Turn clockwise until finger-tight.
5. **Tighten Connections:** Once both ends are finger-tight, use appropriate tools (e.g., a fitting wrench, if available and recommended by Thermaltake) to gently tighten the connections. Apply firm but not excessive force. The goal is to compress the O-rings sufficiently to create a watertight seal without stripping threads or damaging components. **Do not overtighten.**
6. **Visual Check:** After tightening, visually inspect both connections to ensure the extender is seated squarely and there are no visible gaps.



Figure 4.1: Side view of the Thermaltake Pacific G1/4 Male to Male 30mm Extender, illustrating its full length and dual male G1/4 threads for connecting two female-threaded components.

Important: Always perform a leak test on your entire water cooling loop before powering on your computer. Use a dedicated leak testing tool or run the pump with distilled water for several hours, carefully checking all connections for any signs of leakage.

5. OPERATION

Once properly installed and leak-tested, the Thermaltake Pacific G1/4 Male to Male 30mm Extender operates passively as a conduit within your water cooling loop. Its function is to maintain a secure and unobstructed flow of coolant between connected components. No active operation or adjustments are required after successful installation.

6. MAINTENANCE

To ensure the longevity and optimal performance of your water cooling system, including the extender fitting, consider the following maintenance practices:

- **Regular Inspection:** Periodically inspect all fittings and connections for any signs of wear, corrosion, or potential leaks.
- **Coolant Replacement:** Follow the recommendations for your specific coolant regarding replacement intervals. When draining and refilling your loop, inspect the extender.
- **Cleaning:** If disassembling the loop for cleaning, gently clean the extender fitting with distilled water. Avoid abrasive cleaners or tools that could damage the chrome finish or O-rings.
- **O-Ring Check:** If the fitting is removed, inspect the O-rings for cracks, flattening, or degradation. Replace O-rings if they show any signs of wear to maintain a proper seal.

7. TROUBLESHOOTING

Most issues related to fittings are associated with improper installation or damaged seals.

- **Leakage:**
 - **Cause:** Insufficient tightening, damaged O-ring, or cross-threaded connection.
 - **Solution:** Carefully re-tighten the fitting (do not overtighten). If the leak persists, disassemble, inspect O-rings for damage, and replace if necessary. Ensure threads are not cross-threaded.
- **Difficulty Threading:**
 - **Cause:** Misalignment, debris in threads, or cross-threading.
 - **Solution:** Ensure the fitting is perfectly aligned with the port before attempting to thread. Clean threads thoroughly. Never force a fitting; if it doesn't thread smoothly, back it out and try again.

If you encounter persistent issues, please refer to the Thermaltake support website or contact their customer service.

8. SPECIFICATIONS

Attribute	Detail
Brand	Thermaltake
Model Number	CL-W044-CU00SL-A
Type	G1/4 Male to Male Extender
Length	30mm
Material	Chrome-plated Brass (CU)
Color	Chrome
Compatible Devices	Desktop PC Water Cooling Systems
Item Weight	2.93 ounces (approx. 83 grams)
Product Dimensions	2.95 x 0.87 x 4.41 inches (approx. 7.5 x 2.2 x 11.2 cm)

9. WARRANTY AND SUPPORT

Warranty information for Thermaltake products is typically provided with your purchase documentation or can be found on the official Thermaltake website. Please retain your proof of purchase for warranty claims.

For technical support, product inquiries, or warranty service, please visit the official Thermaltake support portal or contact their customer service department. You can usually find contact information and support resources on their website:

[Thermaltake Official Support](#)

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