A-Tech MS668KMM2342

A-Tech 2GB DDR PC2700 333MHz RAM Memory Kit Instruction Manual

Brand: A-Tech | **Model:** MS668KMM2342

This manual provides instructions for the installation, operation, maintenance, and troubleshooting of your A-Tech 2GB (2 x 1GB) DIMM DDR Non-ECC PC2700 333MHz RAM Memory Kit.

1. INTRODUCTION

This A-Tech memory kit consists of two 1GB DDR Non-ECC PC2700 333MHz DIMM modules, totaling 2GB. This product is designed to enhance your computer's performance by expanding its memory capacity, allowing for improved multitasking and faster application loading times.

The memory modules are compatible with specific MSI Motherboard models, including MS-7091, MS-7093, RS480M2, RS480M2-IL, RX480M2, RS482, RS482M2-IL, MS-7095, and P4MAM2-V. Always verify compatibility with your motherboard's documentation before installation.

2. SETUP AND INSTALLATION

2.1 Safety Precautions

- Always power off your computer and unplug it from the power source before opening the case or handling internal components.
- Discharge any static electricity from your body by touching a grounded metal object (e.g., the unpainted metal chassis of your computer) before handling memory modules. Consider using an anti-static wrist strap.
- Handle memory modules by their edges to avoid touching the gold contacts or integrated circuits.

2.2 Installation Steps

1. **Prepare Your System:** Power down your computer, unplug the power cord, and open the computer case.

2. **Locate RAM Slots:** Identify the DIMM slots on your motherboard. Consult your motherboard's manual for optimal slot configuration if installing multiple modules.

3. **Open Retention Clips:** Gently push the white clips at both ends of the DIMM slot outwards to open them.

4. **Align Memory Module:** Hold the memory module by its edges. Align the notch on the bottom edge of the module with the key in the DIMM slot. The module should only fit one way.

5. **Insert Module:** Place the module into the slot and apply firm, even pressure to both ends until the clips snap into place, securing the module. Do not force the module if it does not seat easily. Re-check alignment.

6. **Repeat for Additional Modules:** If installing a second module, repeat steps 3-5 for the next available DIMM slot, following your motherboard's recommended configuration.

7. **Close Case and Power On:** Once all modules are securely installed, close your computer case, plug in the power cord, and power on your system. The system should automatically detect the new memory.

Image: Two A-Tech DDR RAM modules in their original retail packaging. Each module is labeled with part number AT48GD4.Z.

Image: A close-up view of an A-Tech DIMM module (larger) and a SODIMM module (smaller). This product uses the DIMM form factor.

3. OPERATION

Once installed, the A-Tech RAM memory modules operate automatically as part of your computer's system. RAM (Random Access Memory) serves as a temporary storage area for data that your computer's processor needs to access quickly. This allows applications to run smoothly and efficiently.

A memory upgrade can significantly improve system performance, especially when running multiple applications simultaneously or engaging in resource-intensive tasks such as video editing or gaming. By expanding your system's memory capacity, your computer can handle more data without relying on slower storage devices, leading to faster loading times and a more responsive user experience.

This product uses the DIMM (Dual In-line Memory Module) form factor, which is standard for desktop computers and workstations. It is a DDR (Double Data Rate) type, specifically DDR PC2700 operating at 333MHz, and is Non-ECC (Non-Error Correcting Code), which is typical for consumer-grade desktop systems.

4. MAINTENANCE

A-Tech RAM modules are designed for reliable, long-term performance and generally require no user maintenance after proper installation. To ensure optimal longevity and performance:

- **Keep Environment Clean:** Ensure your computer's internal environment is free from excessive dust, which can impede airflow and lead to overheating. Regularly clean your computer's interior with compressed air.
- **Avoid Physical Damage:** Handle memory modules with care. Avoid bending, dropping, or exposing them to excessive force.
- **Protect from Moisture:** Keep memory modules and your computer away from liquids and high humidity.

Do not attempt to clean the gold contacts with abrasive materials or solvents. If cleaning is necessary, use a soft, lint-free cloth lightly dampened with isopropyl alcohol.

5. TROUBLESHOOTING

If you encounter issues after installing your A-Tech RAM, consider the following troubleshooting steps:

- **System Not Booting / No Display:**
    - Ensure the memory modules are fully seated in their slots. Gently press down on both ends until the clips lock.
    - Verify that the modules are compatible with your motherboard model. Refer to your motherboard's manual for supported RAM types and speeds.
    - Try installing only one module at a time to identify if a specific module is faulty.
    - Clear your motherboard's CMOS (Complementary Metal-Oxide-Semiconductor) settings. Consult your motherboard manual for instructions.

- **Incorrect Memory Capacity Detected:**
    - Check your system's BIOS/UEFI settings to confirm the detected memory.
    - Ensure all modules are correctly installed and seated.
    - Verify that your operating system is 64-bit to fully utilize more than 4GB of RAM (though this kit is 2GB, it's a general RAM troubleshooting tip).

- **System Instability / Crashes:**
    - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic or MemTest86) to check for errors in the RAM modules.
    - Ensure your motherboard's BIOS/UEFI is updated to the latest version, as this can improve memory compatibility and stability.

If issues persist, contact A-Tech customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Brand	A-Tech
Model Number	MS668KMM2342
Total Capacity	2 GB (2 x 1GB Modules)
Memory Type	DDR SDRAM
Speed	333 MHz (PC2700)
Form Factor	DIMM (Desktop)
ECC Type	Non-ECC

Feature	Detail
Item Weight	2.4 ounces
Product Dimensions	6.7 x 3.6 x 0.4 inches
Compatible Devices	MSI Motherboards: MS-7091, MS-7093, RS480M2, RS480M2-IL, RX480M2, RS482, RS482M2-IL, MS-7095, P4MAM2-V

7. WARRANTY INFORMATION

This A-Tech memory kit is backed by a **Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims or detailed terms and conditions, please refer to the official A-Tech website or contact A-Tech customer support.

Proof of purchase may be required for warranty service.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting guidance, or warranty inquiries, please visit the official A-Tech website or contact their customer support team.

A-Tech Official Website: atechmemory.com

A-Tech Store on Amazon: Visit A-Tech Store

When contacting support, please have your product model number (MS668KMM2342) and proof of purchase readily available.