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› A-Tech 2GB KIT (2 x 1GB) DDR Non-ECC PC2700 333MHz RAM Memory User Manual for Shuttle ST Series

A-Tech AM105567

A-Tech 2GB KIT (2 x 1GB) DDR Non-ECC PC2700 333MHz RAM Memory User Manual

For Shuttle ST Series Systems (Models: ST20G5, ST61G4, ST61G4B, ST61G4L, ST62K, ST62KS, ST64G4B)

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your A-Tech 2GB (2 x 1GB) DDR Non-ECC PC2700 333MHz RAM Memory Kit. This memory kit is specifically designed for compatibility with various Shuttle ST Series systems. Please read this manual thoroughly before proceeding with installation to ensure proper function and system stability.



Image: Two A-Tech 1GB DDR RAM modules, showing the green PCB and black memory chips with A-Tech branding and product labels.

2. SAFETY INFORMATION

Please observe the following safety guidelines to prevent damage to the memory modules or your computer system, and to ensure personal safety:

- **Electrostatic Discharge (ESD) Precautions:** Always handle memory modules by their edges. Avoid touching the gold connectors or the integrated circuits. Before handling, discharge any static electricity by touching a grounded metal object, such as the computer case. Consider using an anti-static wrist strap.
- **Power Disconnection:** Before opening your computer case or installing/removing any components, ensure the computer is completely powered off and disconnected from the main power supply.
- **Compatibility:** This product is specifically designed for Shuttle ST Series models: ST20G5, ST61G4, ST61G4B, ST61G4L, ST62K, ST62KS, ST64G4B. Using these modules with incompatible systems may result in system

instability or damage. Verify your system's memory requirements before installation.

- **Physical Handling:** Do not force memory modules into slots. If a module does not fit easily, recheck its orientation and the slot type.

3. INSTALLATION GUIDE

Follow these steps to install your A-Tech RAM modules into a compatible Shuttle ST Series system:

1. Prepare Your System:

- Shut down your computer completely.
- Disconnect the power cord and any other cables connected to the computer.
- Discharge static electricity by touching a grounded metal object.

2. Open the Computer Case: Refer to your Shuttle ST Series system's specific manual for instructions on how to safely open the case and access the motherboard.

3. Locate RAM Slots: Identify the DIMM slots on your motherboard. Your Shuttle ST Series system will have specific slots for DDR memory. Note the orientation of the existing modules (if any) or the notch in the slot.

4. Remove Existing Modules (if upgrading): If you are replacing existing RAM, gently push the small clips on both ends of the DIMM slot outwards. The module should pop up slightly. Carefully pull the module straight out of the slot. Store removed modules safely.

5. Install New A-Tech Modules:

- Align the notch on the A-Tech DDR module with the key in the DIMM slot.
- Place the module into the slot, ensuring it is seated correctly.
- Apply firm, even pressure to both ends of the module until the clips on the sides snap into place, securing the module. You should hear a click.
- Repeat for the second 1GB module in the appropriate slot, typically the next available slot or a paired slot for dual-channel operation (consult your system's manual for optimal slot configuration).

6. Close the Computer Case: Once both modules are securely installed, reattach the computer case cover.

7. Reconnect and Power On: Reconnect all cables and the power cord. Power on your computer. The system should automatically detect the new memory.



**Accelerate
System Speeds**



**Take on Greater
Workloads**



**Designed for High
Quality Performance**

Image: An illustration showing the difference between a larger DIMM module (for desktops) and a smaller SODIMM module (for laptops). This product uses DIMM modules.

4. OPERATING INSTRUCTIONS

Once installed, the A-Tech RAM modules operate automatically. No specific user interaction is required for their function.

The operating system will detect and utilize the installed memory.

Verifying Installation:

After powering on your computer, you can verify the successful installation of the new memory:

- **BIOS/UEFI:** During startup, enter your system's BIOS or UEFI settings (usually by pressing DEL, F2, F10, or F12). Look for a "System Information" or "Memory" section to confirm the total installed RAM.
- **Operating System:**
 - **Windows:** Right-click "This PC" or "My Computer," select "Properties." The "Installed RAM" or "Memory" amount will be displayed.
 - **macOS:** Click the Apple menu, select "About This Mac." The "Memory" information will be listed.
 - **Linux:** Open a terminal and type `free -h` or `cat /proc/meminfo`.

5. MAINTENANCE

RAM modules generally require no specific maintenance once installed. However, general computer maintenance practices contribute to their longevity and stable operation:

- **Keep System Clean:** Regularly clean the interior of your computer case to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air to gently remove dust from components, including RAM modules and slots.
- **Ensure Proper Ventilation:** Operate your computer in a well-ventilated area to prevent excessive heat, which can degrade electronic components over time.
- **Avoid Physical Shock:** Protect your computer from drops or impacts, as physical shock can dislodge components or cause damage.

6. TROUBLESHOOTING

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

- **System Does Not Boot or Beeps:**
 - Ensure modules are fully seated in their slots. Re-seat them by pressing down firmly until the clips lock.
 - Verify that the modules are installed in the correct slots according to your system's motherboard manual.
 - If you installed multiple modules, try booting with only one module at a time to identify a potentially faulty module.
 - Check for compatibility. Ensure your Shuttle ST Series model is listed as compatible.
- **Incorrect RAM Amount Detected:**
 - Confirm both modules are properly seated.
 - Check your system's BIOS/UEFI settings to ensure the memory is recognized.
 - Some systems require specific slot configurations for dual-channel operation; consult your motherboard manual.
- **System Instability or Crashes (Blue Screens/Kernel Panics):**
 - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic, MemTest86) to check for errors.
 - Ensure your system's BIOS is up to date.
 - Verify that the memory speed and timings are correctly set in the BIOS (though usually auto-detected).

If issues persist after these steps, contact A-Tech support or consult a qualified technician.

7. SPECIFICATIONS

Feature	Specification
Product Name	A-Tech 2GB KIT (2 x 1GB) DDR Non-ECC PC2700 333MHz RAM Memory
Model Number	AM105567
Capacity	2GB (2 x 1GB modules)
Memory Type	DDR DIMM
Error Correction	Non-ECC
Speed	PC2700 (333MHz)
Form Factor	DIMM (for Desktop/Workstation)
Compatible Devices	Shuttle ST Series: ST20G5, ST61G4, ST61G4B, ST61G4L, ST62K, ST62KS, ST64G4B
Product Dimensions	6.7 x 3.6 x 0.4 inches
Item Weight	1.8 ounces



Multitask with Ease

Take on more and multitask with ease
by expanding your computer's ability
to handle greater workloads

Image: A close-up view of an A-Tech RAM module, highlighting the quality and construction of the memory stick.

8. WARRANTY AND SUPPORT

A-Tech stands behind the quality of its products.

- **Lifetime Warranty:** This A-Tech memory kit is backed by a Lifetime Warranty. For detailed terms and conditions, please refer to the official A-Tech website.
- **Technical Support:** For technical assistance, troubleshooting, or warranty claims, please visit the official A-Tech website or contact their customer support.

Official A-Tech Website: atechmemory.com

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Details

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

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