

EMNET RAM UPGRADE MEMO

The Pennsylvania Association of Broadcasters and Comlabs have purchased a memory upgrade to increase the reliability of your EMnet system. It is urgent that you install this update immediately. The EMnet system has experienced some random EAS message delivery problems due to low memory. Currently your system only has 128 Megs of system Memory. This was adequate when the system was first installed but all the Microsoft updates throughout the years has dramatically increased the amount of system Ram needed to keep your system running. PEMA has no plans to upgrade any of the EMnet hardware at this time, so the PAB and Comlabs felt they needed to take action and provide this update for you.

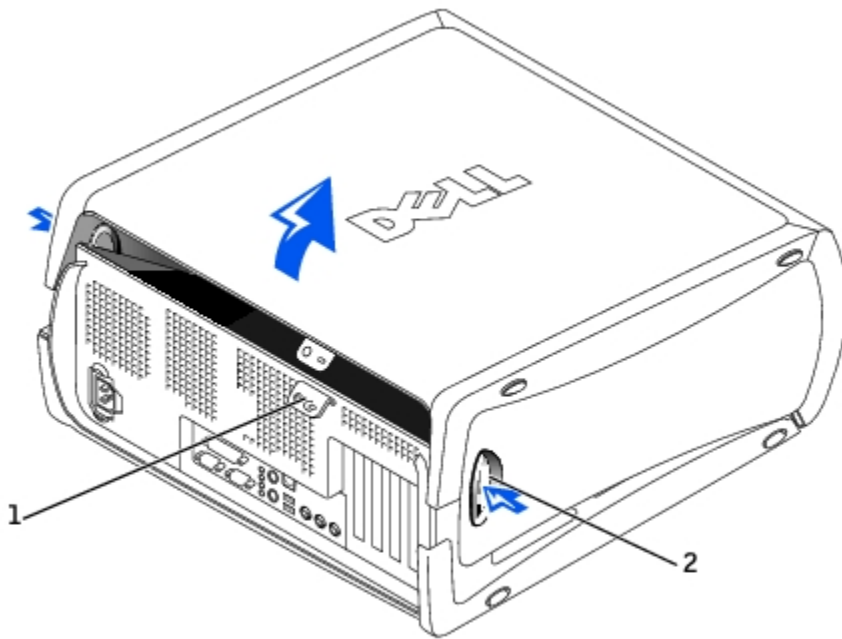
Please follow the steps below to install the RAM into your Machine. Instructions from the Ram manufacturer are also attached to this letter.

- 1. Press the Start Button and then select Shut Down.**
- 2. Unplug the AC Power Cord from the back of the computer. Please wait 60 seconds before proceeding to next step.**
- 3. Open the computer (Instructions Attached to this letter)**
- 4. At this point it would be a good idea to take a can of canned air and blow out all the fans and the memory slot were you will insert the new ram.**
- 5. Ground yourself by using a ground strap or at least by touching a metal grounded object as you pick up the new Ram. Take the Ram out of the package and insert it into the empty Ram socket in your machine. Please take care to align the ram properly. (See the attached instructions and Diagram.)**
- 6. Follow attached instructions for reassembling the computer.**
- 7. Plug all cables back into the rear of the computer, including the Audio cable that goes to your EAS unit.**
- 8. Power on the machine. It should notice the extra Ram and ask you to enter into the BIOS to confirm the Ram change. Follow the onscreen instructions, and then boot up the machine. It should work Normal.**

If you get random crashes after performing this update try removing the old ram. On rare occasions Dell used a non standard ram module that is not compatible with the new Ram upgrade. After you install this update please send a message to EAS@LightnerElectronics.com so we can update the database. Please call me if you have any questions.

Matt Lightner
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Pennsylvania Association of Broadcasters Engineering
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PA.008 EMnet

Opening the Dell Case



1 Padlock ring

2 Release buttons (one on each side)

1. Remove the padlock from the padlock ring, if present.

➡ NOTICE: Do not open the cover if the computer is on the edge of a desk or table. Doing so may cause the computer to tip over and fall. Make sure that the computer is situated so that there is at least 12 inches of desk- or table-top for the cover to rest on.

➡ NOTICE: Open the computer cover slowly to prevent damage to the system cables.

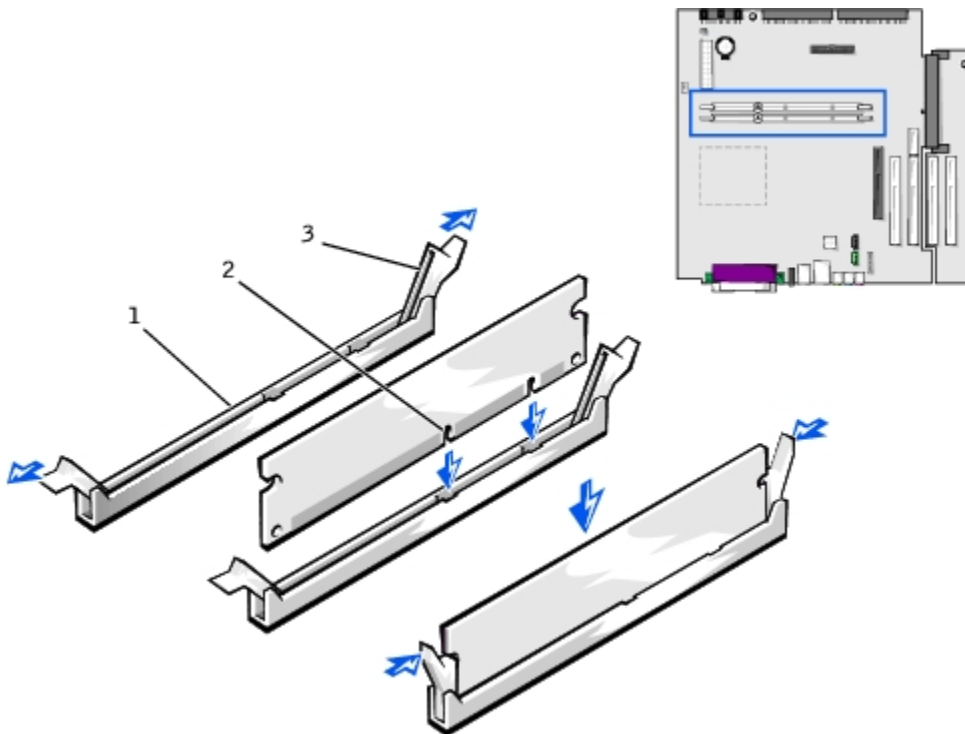
2. Press in on the two securing buttons until the cover is free to swing up.

➡ NOTICE: On the small mini-tower computer, to prevent damage to the system board, open the cover until it catches at a 45-degree angle. Then remove the drive data cables from the system board and open the cover to a 90-degree angle.

Adding a Memory Module

1. Press the module fully into the socket while closing the securing clips to lock the module into place.

Memory Module Replacement



1	Socket	2	Slot	3	Securing clip
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Closing the Computer Cover

1. Check all cable connections, especially those that might have come loose during your work. Fold cables out of the way so that they do not catch on the computer cover. Make sure cables are not routed over the drive cage—they will prevent the cover from closing properly.
2. Check to see that no tools or extra parts (including screws) are left inside the computer.
3. On the small mini-tower computer, close the cover to a 45-degree angle and connect the drive data cables to the system board.

4. Close the computer cover by pivoting the cover down toward the back of the computer and into position. Make sure that the securing buttons click into place.
5. Replace the padlock, if required.