

MEMORY CONFIGURATION FOR THE NewLife 25 MHz Accelerator

The NewLife 25 Accelerator accepts on board memory in the form of four **Single In-Line Memory Modules (SIMM's)**. The Motorola 68030 CPU accesses memory 32 bits at a time, 8 bits from each memory location. Therefore all four SIMM sockets on the accelerator must be filled if you choose to install memory on the board.

RAM on the NewLife 25 Plus for the Mac 128K, 512K, 512Ke, and Plus may be configured in one of three ways:

1. With no SIMM's, for 0 MB of on board memory
2. With four 256K SIMM's, totalling 1 MB of RAM
3. With four 1 MB SIMM's, totalling 4 MB of RAM

RAM on the NewLife 25 SE for the Mac SE may be configured in one of five ways:

1. With no SIMM's, for 0 MB of on board memory
2. With four 256K SIMM's, totalling 1 MB of RAM
3. With four 1 MB SIMM's, totalling 4 MB of RAM
4. With four 2 MB SIMM's, totalling 8 MB of RAM
5. With four 4 MB SIMM's, totalling 16 MB of RAM

In order to access more than 4 MB of RAM, VIRTUAL™ by Connectix Corporation is required. With 4 MB of RAM installed on the NewLife 25, VIRTUAL™ also allows you to use any unused space on your hard drive as additional application memory, up to 16 MB.

The ROM's of a Compact Macintosh (Plus, SE and Classic) allow the system to address no more than 4 MB of memory. Consequently, RAM on the motherboard cannot be used as application memory. A small portion of this memory is required for the Mac's internal screen video data, but with VIRTUAL™ or the NewLife 25 Support Software the remaining motherboard memory may be used as a RAM Disk. A RAM Disk operates significantly faster than a hard drive, but also constitutes volatile memory. As a result, any new documents which you create and store on your RAM Disk must be saved to a non-volatile media (a hard drive or floppy diskette, for example) before you turn off the power to your computer. VIRTUAL™ offers a feature which performs this task automatically.

If you are installing the NewLife 25 on a Mac Plus or Mac SE, at least 1 MB of memory must be left on the motherboard. If you change your motherboard memory configuration, please ensure that the motherboard RAM configuration jumpers/resistors are changed accordingly.

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