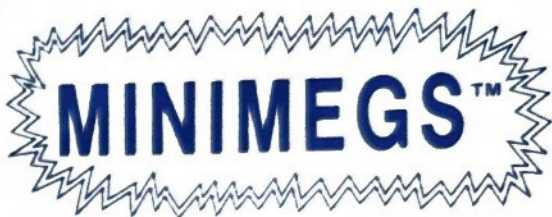


*"The Matchbox Collection"*



**FOR THE A500 AND A1000**

## **INSTALLATION INSTRUCTIONS**

**M.A.S.T. U.S.A.:**  
3881-E Benatar Way  
Chico, CA 95928  
(916) 342-6278  
(916) 342-MAST

**M.A.S.T. AUSTRALIA:**  
178 Pacific Hwy.  
St. Leonards NSW 2065  
Ph: (02) 436-2600  
FAX: (02) 437-4919

# INTRODUCTION

There are two MiniMega models - one for the Amiga™ 500 and one for the Amiga™ 1000. The MiniMega 500 has a flat edge connector, whereas the MiniMega 1000 has the edge connector mounted at a right angle to the metal case. Please ensure that you have purchased the correct version.

Make sure the computer is turned OFF! NEVER attach or remove any peripheral while the power is on!

Remove the plastic cover over the computer's 86 way expansion bus. On the A500, the bus slot is located on the left hand side. On the A1000, the bus slot is located on the right hand side. The MiniMega should be attached so that the red and green leds are pointing towards the front of your computer. Double check that the connector on MiniMega is firmly in position.

Turn on your Amiga™. You will now have extra memory for all those memory-hungry programs flooding the Amiga™ market.

## TIPS ON HOW TO HANDLE YOUR MINIMEGS

NEVER attach or remove MiniMega with the power ON! RAM chips are sensitive to uneven power input.

PROTECT MiniMega from moisture and STATIC ELECTRICITY. RAM chips are static sensitive, so take the usual precautions you would for any static-sensitive material.

NEVER move the Amiga™ with MiniMega attached!

## OPERATION

Your MiniMega is fitted with 1/2, 1 or 2 MegaBytes of Fast RAM. The autoconfiguration PAL on MiniMega will tell the Amiga™ how much memory is available.

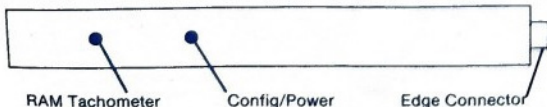
When the Amiga™ is turned on or reset, the Config/Power LED (Green LED) will come hard on, indicating that MiniMega is working and the Amiga is registering the additional RAM. When the system starts loading programs from the floppy, the RAM tachometer (Red LED) will start to flash. This indicates that the MiniMega RAM is being accessed.

MiniMega is true Fast RAM. It is completely independent of the special Amiga chips and will run at full speed regardless of the graphics mode. If you have the Amiga 501 option but don't have ECS (Enhanced Chip Set), run "FastMemFirst" in your start-up sequence to ensure maximum performance from the Amiga.

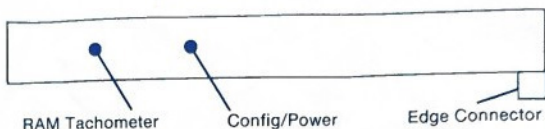
Some games programs may not run with extra memory. Try "NoFastMem." If the program still won't run, you should remove MiniMega.

!!REMINDER . . . . NEVER attach or remove MiniMega unless machine is turned OFF!!

## DIAGRAM OF MINIMEGS 500



## DIAGRAM OF MINIMEGS 1000



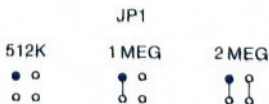
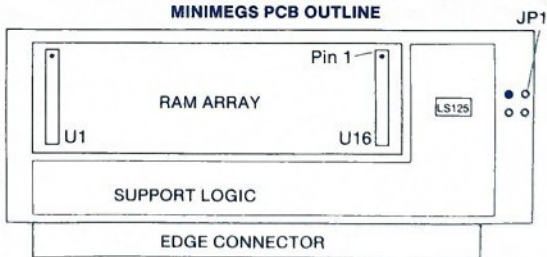
## EXPANDING YOUR MINIMEGS

MiniMega is a high performance, very low profile memory module. The RAM chips in the MiniMega have been soldered directly to the PCB - this enables us to manufacture such a compact package and also contributes to overall system reliability. It was not intended for the user to upgrade MiniMega - should you wish to expand your MiniMega, send it back to M.A.S.T., along with \$10 plus the RAM chips and we will upgrade and burn in your memory. You may also purchase the additional memory chips direct from our factory at the current pricing schedule. If you are purchasing your own memory chips - BE SURE TO BUY ZIP, NOT DIP PACKAGES.

THE FOLLOWING INFORMATION IS PROVIDED FOR THOSE USERS WHO WISH TO DO THEIR OWN UPGRADES: By doing so you will void your warranty.

MiniMega can be populated as 512K, 1 megabyte and 2 megabytes. When installing memory chips make sure that pin 1 is closest to the outside of the MiniMega.

## MINIMEGS PCB OUTLINE



- 512K: RAM chips are located in positions U4, U8, U12 & U16. No jumper is installed in JP1
- 1 MEG: RAM chips are located in positions U3, U4, U7, U8, U11, U12, U15 & U16. A jumper must also be connected between the two pads of JP1 closest to the 74LS125.
- 2 MEG: RAM chips should be installed in all locations U1-U16. In addition to the link installed on JP1 for the 1 meg configuration, a second jumper is required between the two pads of JP1 closest to the edge of the card.

MiniMegs comes with a full 12-month warranty on the board. However, the RAM chip manufacturers only offer a standard 90-day warranty on the chips. All MiniMegs are factory pretested. We guarantee all chips installed here at the factory. If you wish to populate the board yourself, you will not be covered by the M.A.S.T. warranty in any way. Our warranty does not cover transportation costs. Nor does it cover products subjected to misuse or accidental damage.

Please fill out the warranty form, and return to our office within 3 weeks of purchase. Thank you for purchasing another quality Amiga peripheral from our Matchbox Collection.

#### **ATTENTION A100 OWNERS**

A significant number of A1000 computers have problems when any peripheral is plugged into the bus. You may need to provide additional grounding to the programmable logic arrays on the daughterboard to overcome this problem. If you have any problem with your MiniMegs please contact M.A.S.T. This is not a problem with A500 owners.

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