Advance MAME Installation Guide

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This Guide accompanies Mouser Electronics’ Retro Arcade project article and provides steps for installing Advance MAME software as it pertains to the PocketBeagle and BeagleBone family of products.

# Installing Advance MAME

## Verify the Debian Installation

1. Run these two commands at the debian@beaglebone:~$ prompt:
2. sudo apt-get update
3. sudo apt-get upgrade

## Verify Libraries are Installed

1. Verify that the libraries needed to run Advance MAME are installed:

debian@beaglebone:~$ sudo apt-get install build-essential git autoconf automake libsdl2-dev libasound2-dev libfreetype6-dev zlib1g-dev libexpat1-dev libslang2-dev libncurses5-dev

## Clone Advance MAME

1. sudo git clone https://github.com/amadvance/advancemame.git
2. cd advancemame
3. sh autogen.sh

## Make and install Advance MAME

This can be a timely process so please be patient.

1. Type the following command:   
     
   ./configure $ make -j3 $ sudo make install

Note that -j3 in this command indicates the number of parallel processes that run during the make process. When attempting to make and install this on the PocketBeagle I had a number of issues and finally ended up using “-j1” so this may be something you play with. Of course, a lower number of processes will increase the length of time needed to complete.

## Verify Advance MAME Starts

1. Type the following command (output will depend on whether the product is currently configured with a display output):

advmame robby

# Troubleshooting

Access documentation, support, and forums on Advancemame’s website for additional information about installing, launching, and using Advance MAME.