



# AE LIGHTGUN SETUP GUIDE

## TABLE OF CONTENTS

- 01**  
Box contents
- 02**  
Display setup & calibration
- 03**  
Configuration
- 04**  
Mame setup
- 05**  
Troubleshooting

## BOX CONTENTS

If your contents do not match the list, please contact your distributor ASAP.



### 1X

AE Lightgun gaming lightgun

### 1X

AE Lightgun 3 meter cable (pre-attached to the AE Lightgun)

### 2X

IR (infrared) points, with USB connection

### 1X

Setup guide

## DISPLAY SETUP & CALIBRATION

### IR POINTS

The two infrared points should be placed on top of a display at minimum distance of 150mm apart



### AE LIGHTGUN

The AE Lightgun must be plugged into a USB socket for power. Once plugged in the device the display pointer will auto detect the centre of the display. The AE Lightgun display will load the AE logo on the mini display.

The AE Lightgun is now ready to be calibrated.

### 02.

### CALIBRATION

To calibrate the AE lightgun:

- Press the calibration button
- Pull the trigger --> The calibration process has started
- The cursor will move to a point on the display. Point your AE Lightgun and pull the trigger at the cursor point
- The cursor will move to another area of the screen. Fire at the cursor
- Your AE Lightgun is now fully calibrated!

### 03.

## DEFAULT BUTTON CONFIGURATION

Once you have plugged in your AE Lightgun your PC/RASPI detect the AE Lightgun as a mouse / joystick input device.



## MAME SETUP

Make sure you are using MAME over the 2019. The following section will explain specific configurations and settings on the game for MAME.

Additional information can also be found by searching the AEL forums:

<https://www.facebook.com/groups/arcadeeurope/>

email - [info@arcadeeurope.com](mailto:info@arcadeeurope.com)

website - [www.arcadeeurope.com](http://www.arcadeeurope.com)



The MAME software will recognize the AE Lightgun device as a Lightgun. It will also correctly identify multiple Lightguns as separate input devices sequentially.

What to do next...

Launch MAME with any ROM:

- Press the tab key (default key) to bring up the MAME configuration menu
- Use the up/down arrows on the AE Lightgun (or joystick) to move the selector and press the enter key (default key) to select input general press Enter
- Locate player 1 controls and press enter
- Use selector (AE Lightgun Up/Down or joystick Up/Down) and find Lightgun X. Press enter and move your AE Lightgun in a horizontal motion and your MAME menu will populate as Gun 3 X
- Again, use selector (AE Lightgun Up/Down or joystick Up/Down) and find Lightgun Y. Press enter and move your AE Lightgun in a vertical motion and your MAME menu will populate as Gun 3 Y

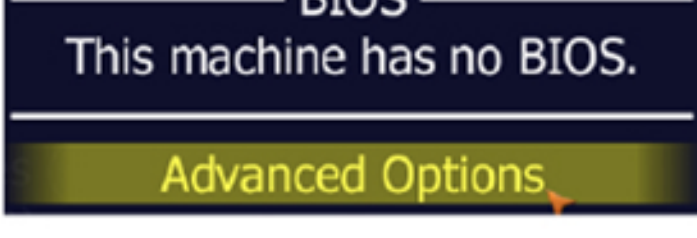
## MAME SETUP

To configure your AE Lightgun buttons you can enter these in the MAME.ini folder or within the MAME Application.

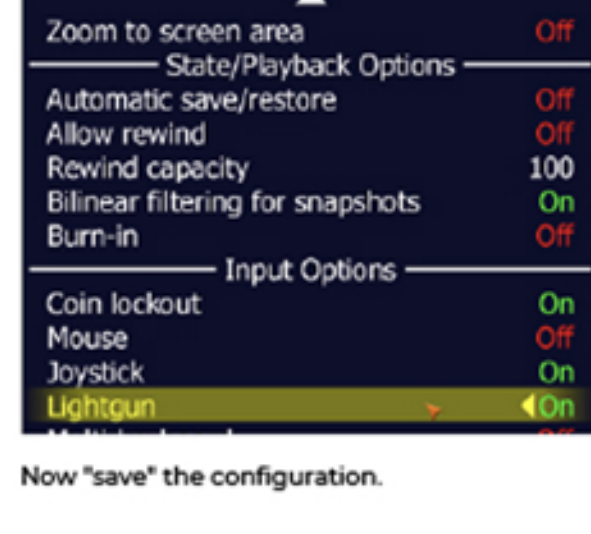
To set your AE Lightgun up directly in MAME start MAME and choose Configure Machine.



Select advanced options:

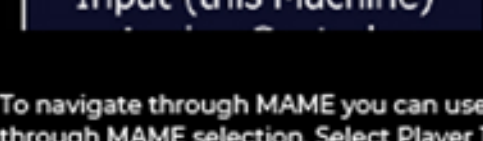


Select Lightgun "ON":

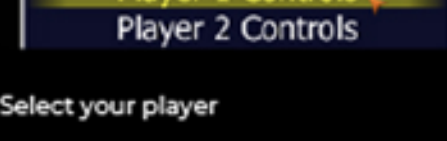


Now "save" the configuration.

Once the settings are saved select your game. Bring up the MAME menu and select Input (general):

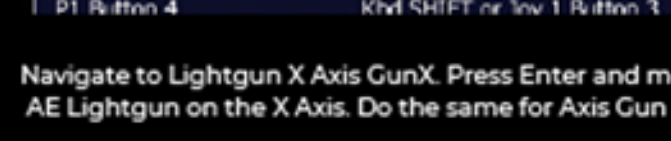


To navigate through MAME you can use the rear buttons up and down to run through MAME selection. Select Player 1 Controls:



Select your player

Select Button 1, press enter and pull your trigger button:



Navigate to Lightgun X Axis GunX. Press Enter and move your AE Lightgun on the X Axis. Do the same for Axis Gun Y.



Your gun is now ready calibrated.

## TROUBLE SHOOTING

Before any trouble shooting try:

- Unplugging the AE Lightgun from the USB socket and then plugging back in the USB.
- Start the calibration process and make sure the AE Lightgun is moving the cursor around the screen.
- Check power to the IR pods
- Check your distance is at least 150cm from the screen (twice the screen size away as rule of thumb)

### I AM MOVING THE AE LIGHTGUN, BUT THE MOUSE CURSOR DOES NOT MOVE.

- Check the AE Lightgun is plugged in to USB power
- Check you have power to the AE Lightgun display for confirmation
- Check you have power to your IR pods. You can do this by pointing a phone camera and/or standard camera to the IR pods to see if you can see the IR LEDs. Apple Products have an IR filter so you may not see the IR LEDs with said device

### I CAN GET THE AE LIGHTGUN TO START CALIBRATION, BUT THE TRIGGER IS NOT REGISTERING ON SCREEN SHOTS.

Follow above steps first. Make sure the IR Pods are in the correct position:

- 150mm apart on the top of the display centrally, 2 pod system
- Centrally on each length of the display 4 pod system

Make sure you are within range of the IR LEDs:

- 1.5/2.0 times the screen distance away from screen on a 2-pod system and no further back than 3-4 meters.

### SOME GAMES WITHIN MAME ARE NOT ACCURATE TO THE CROSSHAIR.

Some MAME games have an in-game calibration. These were included in the original arcade games and those games can be calibrated within the ROM/Game additionally.