

Installation Instructions Atari Laser Board

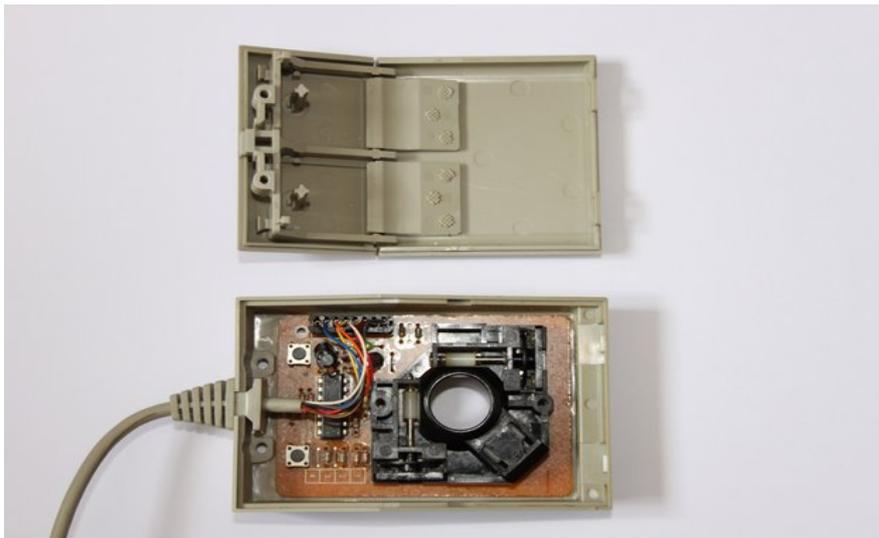
Important for the installation, take your time and do everything in peace, so mistakes are avoided and you get a good result.

There are many different original ATARI mice, from the outside they almost all look the same. Unfortunately you can only distinguish them from the inside .

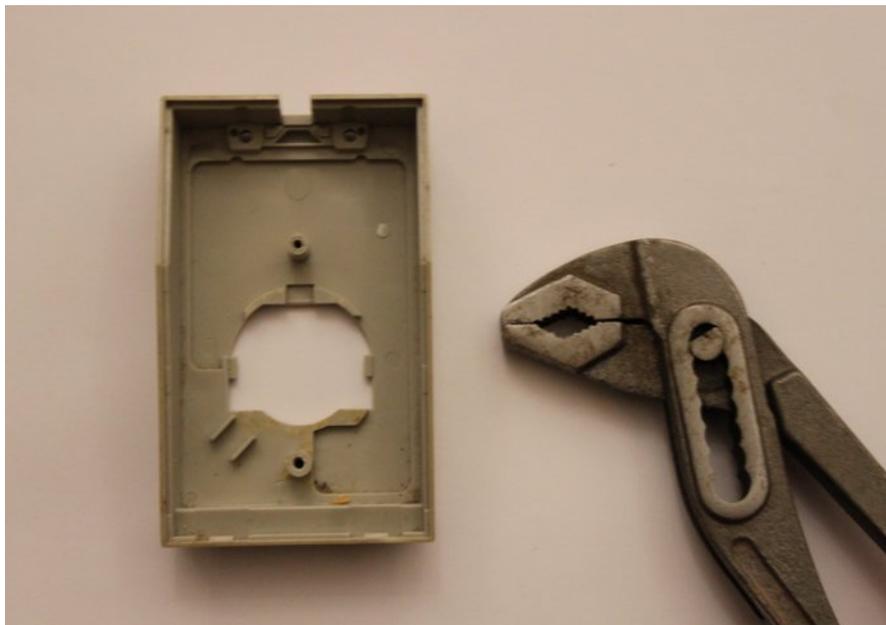
There are different connections, pressure switches and different housing insides.

The board is built to fit in almost all mice, some models need to be modified.

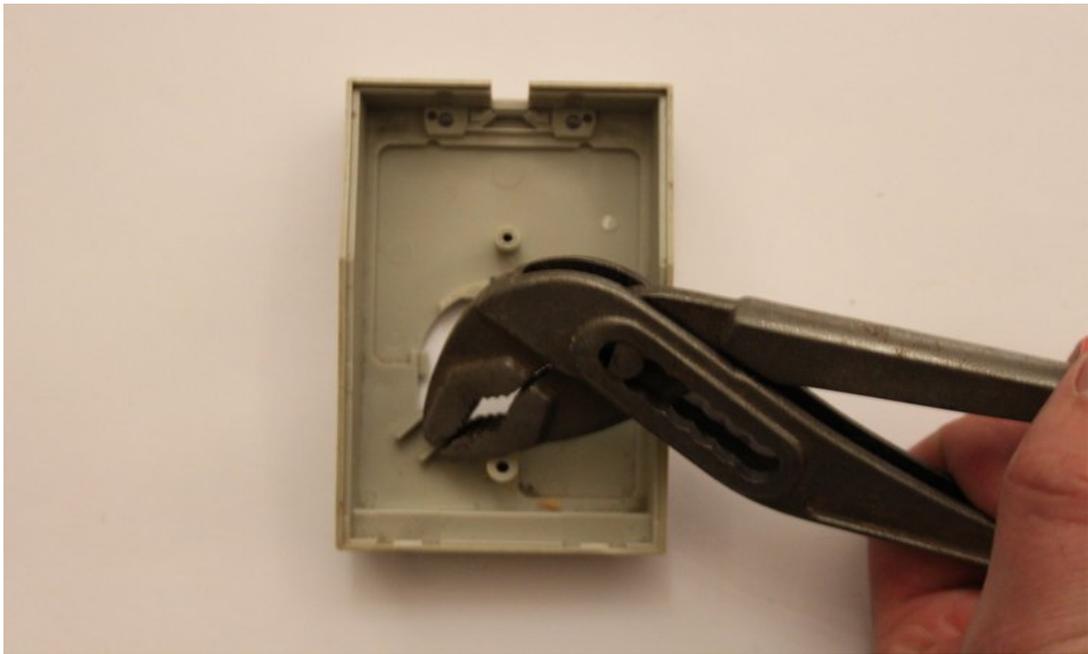
Open your mouse and look at how it is set up:



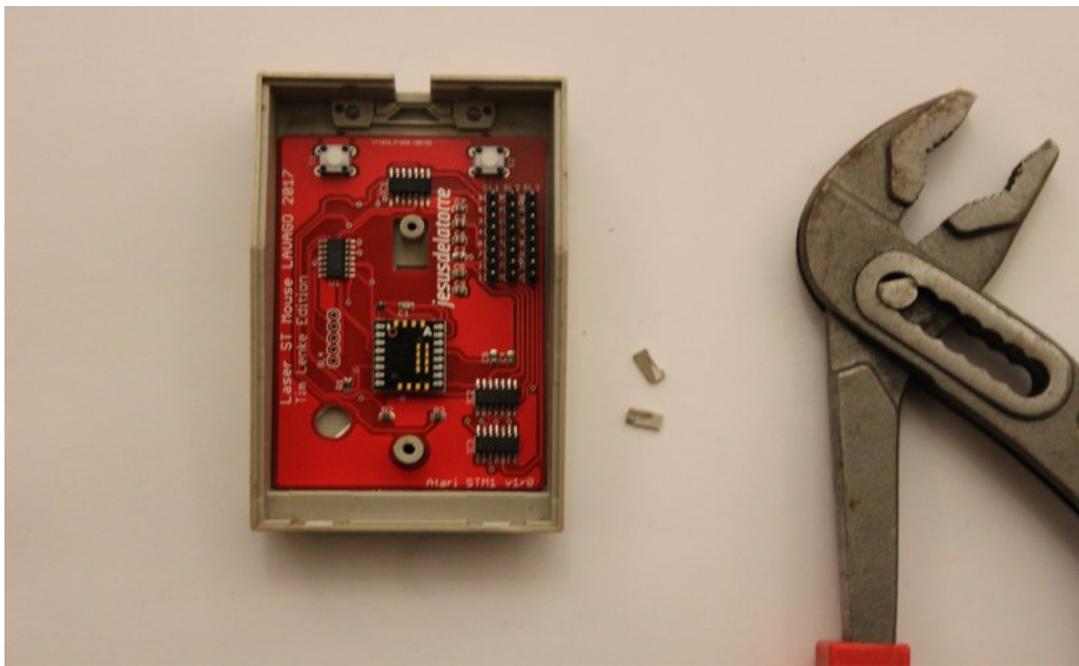
Take the old board and insert the laser board. On some models, sometimes elevations inside the mouse may be in the way , so that the board can't lie properly. The board must just be firmly on the caseback.



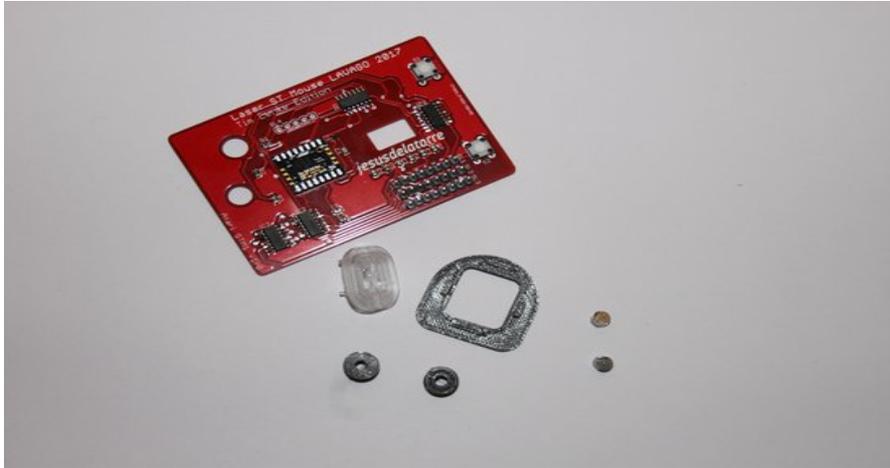
Elevations can be carefully turned off with a water pump pliers.



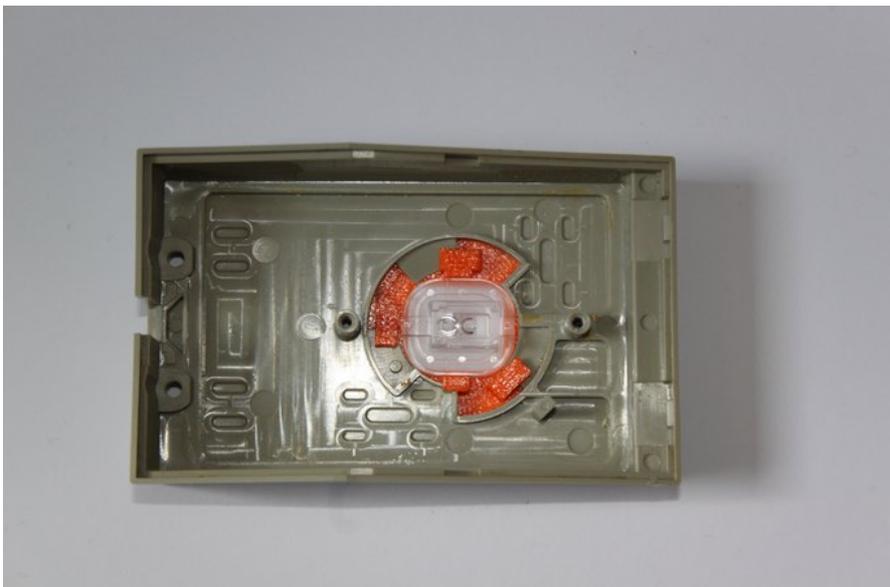
Insert the board so that there is no space between the board and the back, there can be some space between the board and the front of the housing.



Your accessories will help you with the installation



Insert the cover with the laser lens into the housing, the covers are included as an option, it may be that they will not fit in some model. Or have to be fixed with power glue. You can also use your original cover when you enlarge the opening with a Dremel, so that the lens has a clear view. Even operation without cover is possible, then please put the lens on the board and fix it with hot glue.

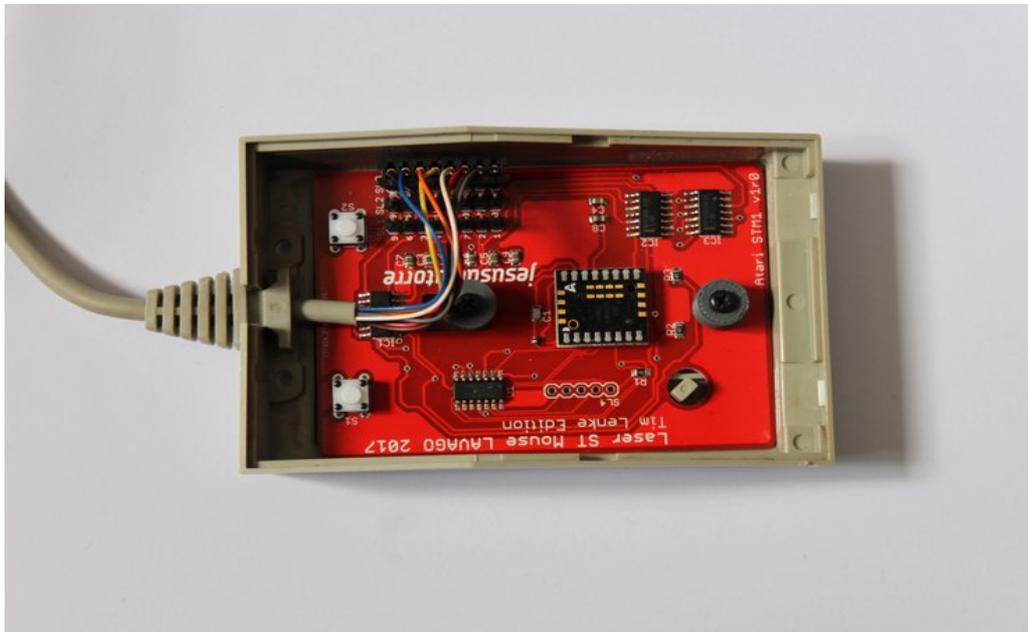




Installation without cover



Unscrew the new black covers with the old screws of the mouse and thus fix the board, if the board still has play fix with hot glue. The board must be firmly installed.



A few ATARI mice have large pressure switches installed, which are 3mm to 4mm higher than the new switches on the board.

If so, the pushers must be changed by applying bumps. So that they are 3 to 4mm higher.

If the old board has small pressure switches nothing needs to be changed.



If everything is installed you can test the mouse. If no function is shown, when you try all different slots, there are three choices.

Tips for occupancy and a manual for solving can be found in the extra instructions of the connections. With some models the connections have to be changed.



If everything works, screw the mouse together. The old Atari mouse board can be used as a replacement for other mice.



Troubleshooting:

My mouse cursor moves hesitantly and jumps:

The distance from the lens to the table is too small or too big. See if the board rests properly on the case back, it may not have a game .

If you have no game and the problem persists, increase the board (glue two strips of tape under it).

Look at whether the lens sits properly, as well as the aperture. Remove the bezel if it does not fit properly.

The board shows no function:

Measure your cable and change the pin assignment.

The switches have no function:

Build an increase of 3-4 mm, or your elevation is too low, you can play a bit with different heights.

If you pay attention to everything you will have a lot of fun with your "new" mouse.

Technical specifications:

ADNS-9800 Laser sensor features:

- – Resolution up to 8200 cpi with ~200 cpi step
- – Frame rate up to 12,000 fps
- – X and Y axes independent resolution setting
- - Compliance to IEC/EN 60825-1 Eye Safety
- – Class 1 laser power output level
- – 1 to 5 mm lift detection
- – On-chip laser fault detect circuitry
- - Self-adjusting frame rate for optimum performance
- - Motion detect pin output
- - Internal oscillator – no external clock input needed
- - 16-bits motion data registers
- - High speed motion detection up to 150 ips and acceleration up to 30 g
- - Advanced technology 832-865 nm wavelength VCSEL
- - Single mode lasing
- – Sleep and wake up times

(C) by LAVAGO GbR / Germany / 2018

LAVAGO GbR
Burgdorfer Str. 2
30989 Gehrden
info@lavago.de