

# Fitting satellites Altec Lansing FX 6021 with Apple Cinema Display 23"

## MY NEED

I wanted a 2.1 Speaker System for my computer, Apple Power Mac G5 and HD Cinema Display 23", to replace the poor internal speaker.

## THE SOLUTION

I bought these speakers for their aesthetics adapted to my screen 23 " brushed metal. I fast realized that, put on my small desk, they turned out cumbersome; furthermore, when you make turn the screen, they do not follow.



*Fig 1*

Fast measure shows that the height of satellites is practically identical to that of the screen: the solution is imperative of itself: hang on satellites on each side of the screen, but how?

The screen Apple is fixed to its foot by a very discreet pivot; no fixation is foreseen for speakers.

Furthermore, it is necessary to keep accessible buttons situated on right side.

It is enough in fact to clamp a polycarbonate plate between the screen and the foot, without preventing the rocking movement and without damaging screen!

A first assembly is prototyped and tried during some time.

The attempt is satisfactory, but a defect appears: the plate is too flexible and satellites are not solid with display.



*Fig 2*

You can notice on this picture the two polycarbonate guides between display and satellites to prevent lateral tilting. They are obviously inefficient.

## **SECOND VERSION**

The second version is implemented with angles to stiffen the plate and press at the back of the display.



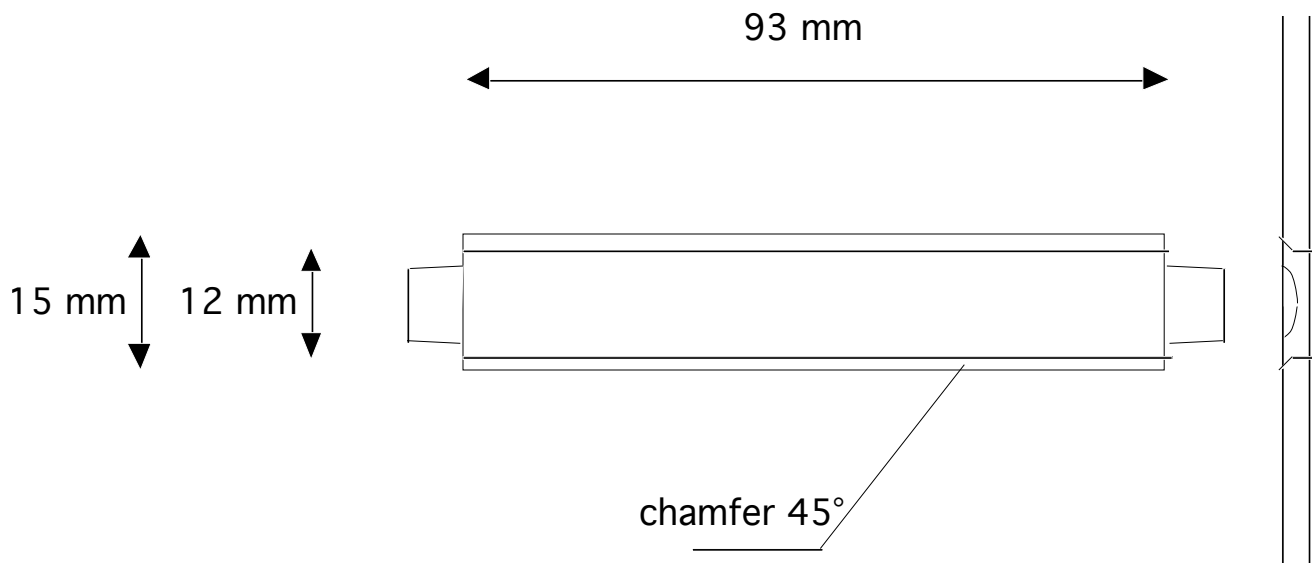
*Fig 3*

We detail here the shape of the oblong opening with chamfer edges.



*Fig 4*

You can notice protection film and adhesive tape to outline opening.



*Fig 5*

Plate thickness: 4 mm  
Approximate dimensions.

And the fixation on the stand.



*Fig 6*

## THE RESULT

And here is the finished assembly.



*Fig 7*

Nice, isn't it?

Well, it remains to replace keyboard and mouse by wireless devices....

### **NEXT VERSION**

It's yours!

Improvement: cut angles shorter, so that they will be invisible.

Material list:

- Polycarbonate plate 70 x 22 cm x 4 mm ; cut a 63 x 22 cm plate and two 2 x 22 cm plates
- Two light alloy angles 20x10 mm length 53 cm
- Screws and nuts (3 mm diameter for angles).

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About the author(s)...

Bernard Escaich is a Apple and 4D maniac since 22/19 years !

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