The Omnimac series of anti-vibration mounts were developed to provide an affordable and practical way to manage vibration in multirotor and UAS applications.

3D Printing instructions
If you are printing this mount yourself, arrange the two halves in your printer’s software so that the flat edges are facing down. To do this, you will need to rotate the top mount 180° along the Y axis.

Assembly
Four Ø9mm x 13mm dampeners are required to complete this mount. At the time of writing, they can be purchased from Hobby King ([link](#)), Aliexpress ([link](#)) and GoodLuckBuy ([link](#)). Insert them into the top plate first. Tweezers, needle nosed pliers, or a thin, blunt object can be used to push the ‘lip’ into the moulding. Inserting them into the bottom plate is slightly more challenging, but working one by one, and with a bit of patience, completing the mount is easy.

Mounting the controller
Two reliefs are provided at either end of the mount for double sided tape.

Mounting to airframe
Four M3 bolts, spaced at 45mm x 45mm, can be used to fix the mount to your frame. Alternatively, two reliefs are provided on the underside for double sided tape.

Suggestions for controlling vibration
Reducing vibration at its source is still important when using this mount. Well balanced propellers, and dynamically balanced motors will make a significant difference to the vibration your controller receives.

Ensure any cables attached to your controller have a sufficient amount of slack, so that they do not conduct vibrations.

For more comprehensive information on controlling vibration, consult the “Vibration Damping and Isolation of the Flight Control Boards” article made available by 3D Robotics here ([link](#)).