

Xbox 360 Slim Fan Accelerator / Failure Alarm

Introduction

This is a small module that is inserted between the fan and the mainboard of an Xbox 360 Slim so that the speed of the fan is increased by about 50% of the speed set by the console. The module automatically tracks the speed demanded by the console so there is never any unnecessary noise created by the fan running at excessive speed.

In addition, the alarmed version of the accelerator will sound a warning if the fan stops rotating. This gives the player instant warning that the console is in danger of overheating and allows the problem to be investigated well before any damage is caused to the console.

Fitting Details

BEFORE YOU BEGIN, PLEASE NOTE THAT OPENING YOUR CONSOLE TO FIT THIS UNIT WILL INVALIDATE YOUR WARRANTY. NO RESPONSIBILITY WILL BE ACCEPTED FOR DAMAGE OR INJURY CAUSED DURING THE INSTALLATION OF THIS MODULE.

The disassembly of your Xbox 360 slim is quite straightforward, and details may be found on numerous websites as well as on Youtube, therefore that information will not be repeated here.

After removing the shell, DVD drive and hard drive mounting plastics from the console, fitting the module is very easy – see the pictorial “storyboard” overleaf or view the video at www.youtube.com/watch?v=v1M-ARX8dyU&feature=plcp

Due to a change in the layout of the motherboard of more recent versions of the Xbox Slim, on which the fan socket is closer to the power socket, the module now comes fitted with a short length of wire to the plug allowing its seating position to be adjusted. In practice this makes very little difference to the installation procedure, although care should be taken to avoid the module making electrical contact with the case of the console or any other exposed metallic parts.



To install your module...

1. Unplug the fan connector
2. Plug the fan lead into the module
3. If necessary, fit the extension lead to the plug of the module
4. Plug the module into the header from where the fan was unplugged
5. To test the unit, the front plate ribbon must be reconnected and the power supply plugged in.
6. If you have the alarmed version, the warning feature may be tested by holding the fan still before turning the console on. *Do not put your finger into a spinning fan – it's likely to hurt!*
7. That's it... Other than testing and reassembling your console, you're done!

Testing and operation

Before fully reassembly it will be a good idea to temporarily replace the dvd drive and reconnect the front panel so that the console may be powered up and the module tested.

The safest way to test the alarm function is to hold the fan **before** switching the console on and keep it still for a few seconds after power has been applied. The warning alarm should sound all the time the fan is stationary and silence when the fan starts to rotate when it's released. Note that there may be a short delay between the fan being released and rotation starting: this is perfectly normal!

It is not a good idea to try to stop the fan once it's rotating. Poking it with your fingers will hurt and inserting something like a screwdriver risks damaging the fan blades. If you really must try stopping the working fan, then use something soft like a rolled up piece of rag. **Please note that I will not be held responsible for any damage caused to your console however it was caused!**

For further information or support, please email colin@circuitsurgery.co.uk





Start



Unplug fan



Plug fan
into module



Plug module
into mainboard



Done!