

## Changing the Fan in your Vantage-HD

These instructions relate to changing the internal cooling fan on your Vantage-HD. Please note that all new fans run from the 5v terminals. The original fans ran from the 12v terminals which can be identified as below.

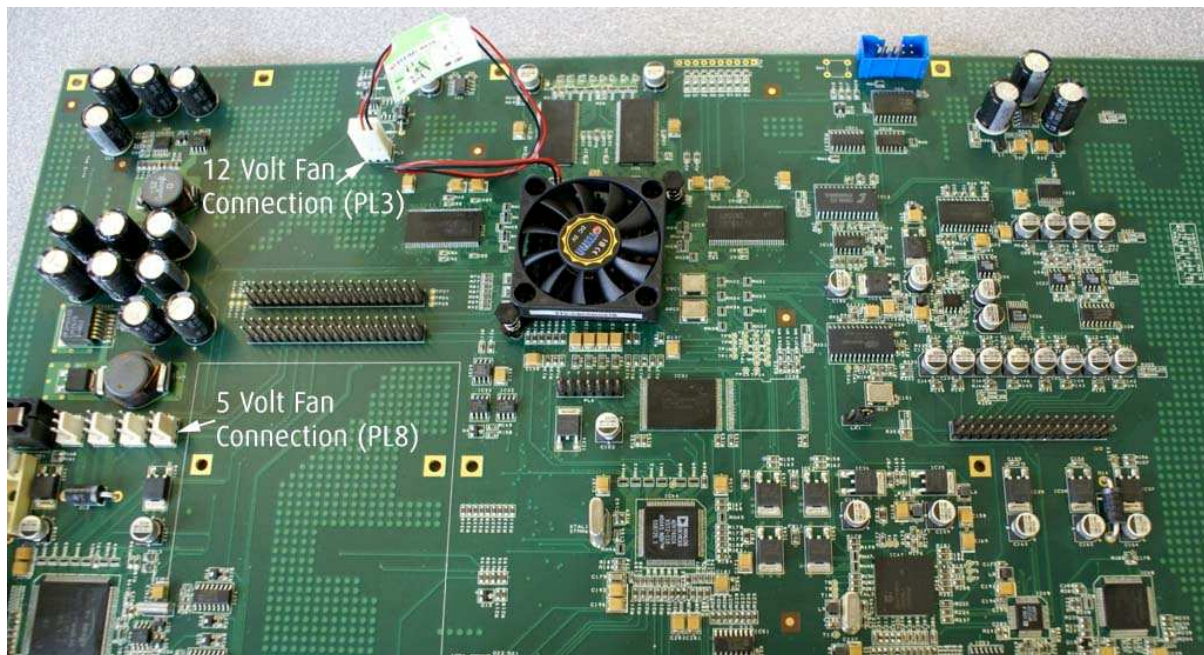
*Please note: As with all electronic goods it is important that you are grounded to protect the PCB and all cables and power should be removed before attempting to remove the cover. Failure to do so can result in damaging your Vantage-HD.*

### Case Removal

Each Vantage has 6 case screws at the back of the unit (some newer units also have 4 rackmount screws fitted as standard, two in each side), all of which need to be removed. To remove the lid, it needs to be slid backwards and then lifted once clear of the clips.

### Changing the Vantage-HD Fan.

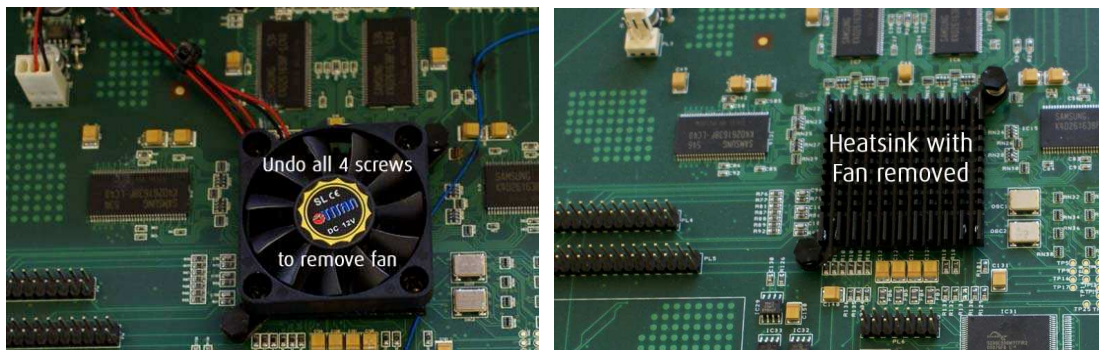
Depending on the unit's age, your Vantage-HD may either be fitted with a 12v fan or a 5v fan. The current fans are referenced TB at the end of the fans model number. The 12v fan connects to PL3 and the 5v fan connects to PL8. It is important to ensure the fan is connected to the correct power connector



The Figure above shows the location of the connectors.

*If you have a version 1.2 board then there is no 12v connector on the board only 5v*

The Fans are screwed into the heat sink using 4 cross slot screws; **do not attempt to remove the heat sink from the Vantage-HD Mainboard, this could damage the PCB.**



Remove the fan power connector, then remove the 4 black fan screws and lift the fan from the heat sink.



When you receive the new fan, it will already be attached to a heat sink which must be removed prior to installation on the Vantage-HD Mainboard.

Install the new Fan and secure to the heatsink using the 4 screws provided with either the original fan or the replacement. Once secure, fit the power connector to PL8 and refit the Vantage-HD lid and refit all screws as removed.



Calibre UK Ltd, Cornwall House,  
Cornwall Terrace, Bradford, West Yorkshire,  
BD8 7JS, England

Tel +44 (0)1274 394125  
Fax +44 (0)1274 730960  
Email [vantage@calibreuk.com](mailto:vantage@calibreuk.com)  
Website [www.calibreuk.com](http://www.calibreuk.com)