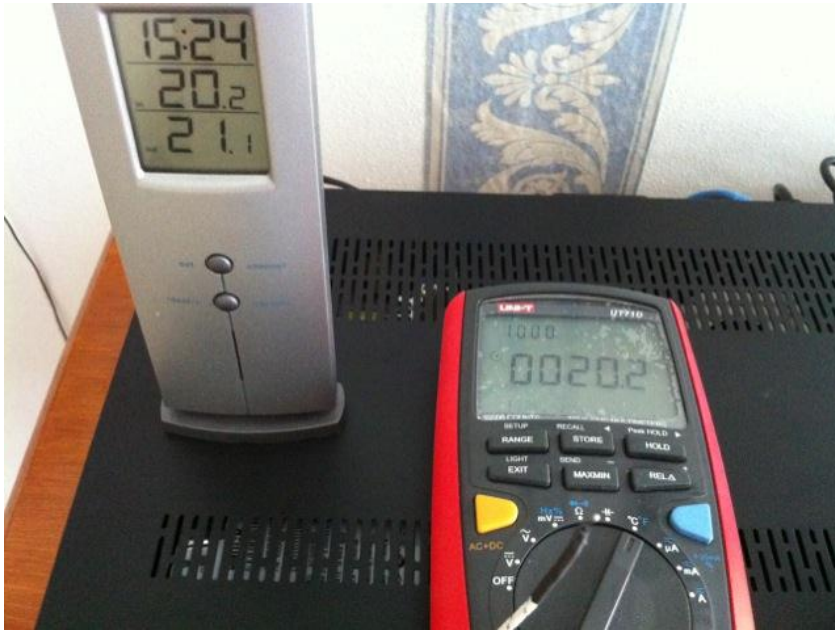


My ET9000 Cooling modification Results

Written by BB2000 © 2011 (Member: www.sat4all.com)

Here you find some results after the modification with both the fans running and no recording!!



In the front, look very closely, you see the temp sensor. The following pictures show the temperatures with the fans turned on at 20.2 degrees room temperature as starting point.



The power supply temperature. For your information, the box is running for several hours before I made these temperature measurements.



This is the tempature around the tuners and voltage regulators



And here you see the temperature around the card reader.

After making this document so far, I made the second part of this document...

Oke, now turning off just the Fan on the cpu and see what happens after just a two minutes 😞

Keep in mind that these measurements are done without harddisk recording, think about what would have happened when this took also place and you don't have a modified ET9000



Just a couple of minutes after turning off the fan mounted on the CPU heat sink you can see the temperature rising inside the ET9000. Also notice that the temperature around the ET9000 rose 1 degree in this short time!



Now the temperature around the tuners just 2 minutes later..



Here the temperature around the voltage regulator, again 1 minute later. These numbers and much higher (Before the mod I measured 65-72 degrees) where the reason for the modification.



Finally, the temperature around the card reader..

The temperature was still running up when I stopped measuring.

Under these conditions, where the ET9000 is standing in the open, using this box without active cooling is not a good idea. Placing the ET9000 in a stereo closet without proper cooling will kill it or definitely shorten its lifetime !!!