



All in all there is a lot to take in, but this is just a review of everything and to fully appreciate the power of the bigNG you will need to go and get one. For the average user I believe there is just way to much stuff here, but for the enthusiast and overclocker, they will love all the options and customizations that are available. Overall though the mCubed bigNG is a great tool, and something that, if in the right hands can be very powerful and useful. DragonSteelMods gives the mCubed bigNG a 4 out of 5 score

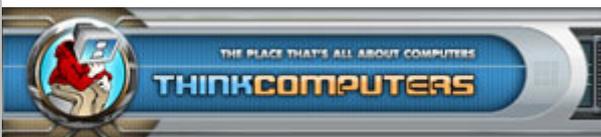


"The Vadim may have more fans than Justin Timberlake bute, thanks to the excellent mCubed T-Balancer bigNG fan controller, the PC is super-quiet, rivalling even the Voodoo PC."

"The Vadim Cepheus is externally impressive, thanks to its elaborate and carefully designed watercooling hardware. It's also very quiet, considering the vast number of fans inside its massive customised case. This is primarly due to the excellent mCubed T-Balancer bigNG controller, which has been programmed by Vadim to increase the fans speed in very small steps, so you barely notice the increase in noise when the fans do rev up."



"What do you get when you put a bunch of talented Austrians into a small room with a bunch of fans, a few silicon chips and a soldering iron? The world smallest and most advanced fan controller, their miniNG is basically a brain for your fans."



The miniNG is a great little product that offers a lot of features in a tiny package, not only is it powerful, but it gives the user the ability to fully configure their cooling solutions.

The controller can also be used to control water pumps as well, the miniNG can 'kick start' pumps that will not start at lower voltages. Having the ability to raise and lower your pump flow according to temperatures is something really cool indeed.

For someone that is into do it yourself systems then this is a great product, it is nice and small and can be hidden many places in your computer. I think water cooling enthusiasts will really like this product, I will be trying it with one of my pumps, I have a Laing DDC-12v, that does not like to start all the time when I turn the computer on, I believe the miniNG will solve this problem by throwing some more volts at it during startup. ThinkComputers give the mCubed miniNG fan controller a 9 out of 10 score, and our Recommended Award.



"We have to admit that this fan controller really surprised. The idea of using a microcontroller to enable not only fan regulation but also monitoring works really well. It gives a possibility to run the fans at a much reduced speed without the risk of them stopping. Unfortunately we haven't had a chance to test it with a T-balancer and all settings has therefore been through hardware. We expect that tuning through software makes it a lot easier to get it exactly the way it is wanted.

Another thing which really sets this controller apart is the high output. 100 W is more than enough to control a water pump. So if you have a 12V pump which doesn't need a full 12V this controller would be a great addition. Unfortunately we haven't had the chance to test with a pump and therefore cannot say anything about this combination"



"The FanAMP is worth the small price tag. If you are an over clocker, or fiddle around with some of your computer electronics their site will interest you. I would recommend the FanAMP to anyone who likes to tinker around, or who just loves to have more control of there PC. "



"This product is the coolest, greatest product I've had the honour to test in my time at this web site. If it was possible it would get three of each of those awards we sometimes grant.

I cannot recommend it enough, it's simply exactly what I have been dreaming about and hoped that someone would create.

It's still early into the month, so go order one - or arrange an overdraft if necessary. You HAVE to get one of those!"

"For the first time in our history we grant a product two awards at the same time. The reason for that is that this is the first time we've had a product which fulfills the conditions for both, and doesn't have any noticeable drawbacks which might influence the overall impression.

Therefore the T-Balancer is granted our "Unique product" award for being the first product to use a brand new technology which far surpasses any earlier technology on the market.

And as that award is not sufficient to cover our enthusiasm it is also granted our "Editor's Choice", given to products which excels in all aspects without any noticeable drawbacks.

This is the highest award a product can get from us, and it means we can unconditionally recommend it.

We must also say that we think this product is the most advanced and innovative fan controller available anywhere in the world, we are simply unable to find words to praise it as much as it deserves."



**Final Rating (5 out of 5 stars)**

Rarely does a product emerge that is truly new and different. The T-Balancer from mCubed is exactly that. There are many ways to control the speed of fans on a computer. The most common involves some sort of a fanbus or rheostat with knobs on the front... The T-Balancer is nothing even remotely close to a fanbus.

**Conclusion:**

Even with the problems I encountered in the delivered software and the somewhat unfinished version 2 software that m-Cubed has on their website, I found the T-Balancer an incredible device with no match or even close second in the industry. I can tell that m-Cubed is working on some incredible software to go with the T-Balancer and look forward to integration with third party software monitoring programs. I have yet to dig all the way into the possibilities of what this device can do. I am so impressed with the mCubed T-Balancer I give it the coveted 5 out of 5 stars.



In my opinion, the T-Balancer is one of the greatest computer modding accessories on the market today. It is perhaps the most sophisticated fan controller currently available. This is because of its ability to lower fans speeds all the way down to 0% and to configure unique relationships between fan speed and sensor temperatures.

In addition to fan controlling, the T-Balancer can also be used to control computer lighting products to create totally unique light shows. For anyone looking for maximum control of their case fans and lighting accessories, whether it be automatic or manual control, the mCubed T-Balancer is the only way to go.



"In many ways, mCubed is the ultimate thermal / noise / fan control system for the dedicated silent PC enthusiast. Amazingly, their base model, TBAN-SL4, is just US\$59 direct from mCubed in Vienna, Austria."



In use I found it easy to set up. It's a pretty simple device and the temperature range is more than adequate - it can be set for temps between 20°C to 120°C. I set the temp such that when I held the thermistor in my hand, the fan kicked up to 100%. I tried this repeatedly for about five minutes and it kicked on every time. Simple to set up and use - mCubed's Fan Amp gives users a means to isolate 12 volt devices and control them based on temperature.



"It may be a little complicated to set up, but once installed the T Balancer SL4 is a nifty bit of kit. The power management of fans and temperatures will be perfect for those that like to retain control over the minutiae of their systems to keep them running in an optimal state equilibrium when balancing cooling and noise.

Whilst it is true that new motherboards are starting to ship with far more fan control features, none have the software to match the ease of use and control of the T Balancer software. We would certainly recommend it if you're a fan. Fan."



"The mCubed T-Balancer is definitely a cool toy. And beyond being a "geek gadget", it has some very practical uses, such as being able to control fans in a situation where a fanbus is not practical or possible, such as in a case with a door that might not have enough clearance, or in a rig with all the bays already being used. The T-Balancer has now made the fanbus obsolete.

As far as I know, the T-Balancer is not yet available in the states. I searched some dealers in Europe, and the going price is 59,90 Euros, which is just over \$70 USD, but I have no idea what they would actually sell for. Keep your eyes open, as it will soon be on this side of the pond!"



"I cannot praise this fan controller enough. Even though it is a bit tricky to set up, it is well worth the time since the end result will impress anyone. The only negative points I can think of is that it only supports up to 4 fans, is tricky to set up and .... Well, that's it. With the right set of 120mm fans and a larger case with good airflow, I'm pretty sure you could get a virtually noiseless machine, but I'm very satisfied with what it did to my small and cramped HTPC machine.



mCubed has also released the TBAN-SH, which is an analog sensor hub with support for both analog sensors as well as flowmeters. They also have the LightBlaster, which is a T-Balancer with a modified firmware with more light effect functions and less fan control functions. The control unit, however, is the same, and you can flash between the two firmwares."

# madshrimps

"Well I'm happy to say that it does do exactly as advertised. You won't encounter a more advanced fan controller on the market right now which offers you completely control over the fans in your system which react to the temperature readout of up to 8 sensors. After using the T-Balancer in my once noise A64 system for over 2 weeks I'm pleased to report that it does quiet down "the beast" by an impressive amount."

"mCubed can, without a doubt, be proud of their first child, the T-Balancer, world's most advanced fan controller!"



## tom's hardware guide

"The T-Balancer from mCubed monitors the system through heat sensors positioned by the user and works with four system fans. The individual fans and sensors can be configured in the program in such a way that the PC is well protected against overheating. The TBAN was originally intended to be a fan controller only. But with software like the Lightblaster, for example, it takes on a whole new role as a light controller. The four connectors on the board can be used for cold cathode fluorescent lamps (CCFLs) or other light sources. If system fans with integrated LEDs are used, air circulation and lighting effects can be combined.

However, the four channels for fans or lighting effects on the T-Balancer cannot be expanded. The sensor interface is different in this respect, since the package contains four heat sensors that can be bumped up to eight with the TBAN-ES expansion kit.

Despite initial problems, the T-Balancer and its Lightblaster software proved convincing - and help is on the way, as well. The gadget is a worthwhile investment not only for modders, but for anyone who would like their PC to run a tad quieter. This is achieved by intelligently regulating and monitoring the system and CPU fans. Two channels on the T-Balancer are enough for this. The other connectors can be used to cast a bit of light into the computer's dark insides."

# MadCase

"This is probably the best fan controller I've ever seen.

The T-Balancer has a lot of different possibilities so it is perfect to make a rather stealth casemod, or if you want to control the noise and temperature level of your pc without using an ordinary bay-bus. It's a very good device for people who want a silent system because you can upload the formulas to the unit and unplug it so it becomes a stand-alone device. But on the other side it is a very good fanbus for every casemodder because you can control everything with it and you can even use more than one on a single pc."



The T-Balancer lives up to mCubed claims!! It does all it can and actually doing excellent in it. The engineers at mCubed have really made a unique fan controller that differentiates it from others. No more manual adjustments, no more annoying humming and one could rest in peace knowing that the intelligent T-Balancer is doing the thinking in assuring your computer's health. It seems to have a brain of itself.....

