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Book Descriptions:

Corsair nautilus 500 manual



This article will answer questions regarding how COVID19 might affect you and Corsair. Unfortunately, the link to the online manual in the product page does not go to a pdf, it goes to the forums. What I want to look up is info on the Nautilus 500 connection to an Intel 775 mount. And the online demo is for an AMD, not Intel. I just bought an ASUS P5B and an Intel 6600 and haven't attached the Intel stock heatsink retainer to the motherboard yet. Does the Nautilus use the standard Intel retainer or what. In the past the Intel retainers were awful to get off once installed. People on NewEgg reviews have concerns about the 775 mounting, so that's why I want to read up. And it does come with the bracket for both AMD and Intel. The Intel Socket T mount looks a lot easier than the Hydrocool Athlon mount. Is that the same water block as the Hydrocool Do they stand a chance or are they all wet. INTRODUCTION Ever notice how some things were just meant to go together. What!! Yes that's right my disbelieving readers, I said water and electronics and no I haven't gone off the deep end. Anyone over the age of eighteen should remember the days when CPU's were cooled down with nothing more than a chunk of metal discrete video card had not caught on yet. When evolution took its course engineers placed fans atop these blocks of cooling apparatus and all was good in the world. It was about this time that a few people who were likened to mad scientist's thought about using water to cool down their PC's. It had long been known water had much better heat transfer properties than air. That is, water can transfer more heat per volume than air. But no one dared to place the arch nemesis of electronics in such close proximity as to actually impact heat levels. Corsair Nautilus 500 Corsair In case you have been living under a rock for the last decade I will catch you up to speed. Corsair has become a premier manufacturer of memory and power supplies. [http://www.g-flow.com/images/editor/firepower-fp-160-manual\(1\).xml](http://www.g-flow.com/images/editor/firepower-fp-160-manual(1).xml)

- 1.0.



The performance of their memory kits is legendary and their power supplies are fast becoming world renowned. So why the watercooling kit. Well, take a look at this excerpt from their website Corsair has been a leader in the design and manufacture of highspeed modules since 1994. Our focus has always been on supporting the special demands of missioncritical servers and highend workstations, as well as the performance demands of extreme gamers. While maintaining this core focus, in recent years, we've also brought our expertise, technology leadership and legendary quality and reliability to memory and other technology products for the more mainstream consumer. Let's get to it.

PACKAGING Looking at the packaging of the Nautilus 500 shows the box to be undamaged which is a good sign of things to come as we delve deeper into its contents. The front of the box is colorful and eye catching with an abundance of information regarding the features of the unit. Corsair makes a bold move by including results from their testing with this kit on Intel and AMD platforms. We will soon find out if this is a meaningful inclusion of information or a hollow attempt at marketing. One is the installation instruction which are very clear and thorough with full color photos. The other is PR material pertaining mostly to the units features and performance. There are clamps and plates for every major socket available today from 939 up to AM2 and from 478 up through 775. It has been machined smooth and polished to a shine. There are very few marks that can be seen and overall the finish of the block is excellent. This will help with heat transfer. **EXTERNAL** Looking at this unit itself you can see how everything on it is designed for functionality. Very little thought was given to the aesthetics of the unit and in my opinion this is a good thing. A good performing unit beats a pretty piece of garbage any day of the week. <http://www.wistco.co.kr/upload/editor/fireplace-xtrordinair-564-ss-manual.xml>



Looking at the top of the unit we can see the reservoir cap for filling the unit as well as the level of fluid in the system. Also a rather restrictive looking fan grill where the air is exhausted out of the unit. These holes are very small and while they safeguard against curious fingers I would prefer to see a honeycomb design implemented for better air flow. I smell a mod coming. Looking underneath the unit we see an open path to the radiator where air is pulled inwards to cool the passing water. We also see the four foam padded feet for increased dampening of any vibrations. Underneath these

feet are the screws that hold this unit together. More on that in the next section. Turning to the rear we see the good stuff. The connectors for the tubes are quick disconnects which is essential should you ever find the need to rapidly unplug the water tubes from the system without spilling water everywhere. Perhaps in case of invasion from extraterrestrials. INTERNALS Opening up the unit was a pretty straight forward affair. Flipping the unit upside down allowed me to peel back the foam rubber pads on each foot designed for noise reduction. Once removed all that was left was to unscrew each screw and carefully separate the two halves of the unit. And this is where all the magic happens. Its design is so simple its genius. Space is at a premium here and the engineers at Corsair were able to do a first rate job at cramming in all the hardware necessary for dissipating 500 watts of heat. Here I illustrate the flow of water through the system. Starting at the inlet, warm water goes into the reservoir where it then gets pulled into the pump and shot out into the radiator where it cools off through the use of the fan and finally is passed through the outlet tube and into the waterblock cooling off your CPU. Brilliantly simple. INSTALLATION Installing the water block is a very easy task and one that thankfully does not require the removal of the motherboard.

About the only thing this won't fit are those Athlon XP's and the Slot1 Pentium's from yore. Corsair makes a bold claim that installing this kit takes less than ten minutes. I say we put that to the test shall we. Having never used a water cooling kit I would be representative of the typical user Corsair is targeting with this kit so this should be a good comparison. Now I may have cheated by having the motherboard outside the case but searching the rule book made no mention of this so the judges will allow it. With the CPU block in place I would quickly move to setup the tubes other end to connect to the Nautilus. After pouring in the additive I topped off the reservoir with water and started the unit up by itself. As the water level dropped from it passing through the tubes I would top it off with more water until its level stabilized and then it was just a matter of bleeding the air bubbles from the system. Once filling the unit with water and bleeding it of air was finished it was a bit over ten minutes. A very painless process indeed all the while checking and rechecking as I went. I would have never thought it could be this easy. Here is a shot of the unit in its finished state sitting atop my PC. Besides matching rather nicely to the case the unit makes the inside of the case look cleaner without a oversized heatsink and fan. It is important to note that once the unit had been installed and filled, leak testing occurred. As good as the build quality is on this unit you should always take the steps, as I did, to run the unit for an hour or more to ensure tight connections all around. To run the unit without turning on the PC simply remove the 24pin ATX connector from the motherboard and with a paper clip connect the green lead to any black lead ground. This turns on your PSU and in turn will power the Nautilus 500 for testing. Looking good is only half the battle. Now it's time to see if it can live up to the hype.



<https://www.becompta.be/emploi/boss-dual-overdrive-sd-2-manual>

The reason for this is to remove any air flow limitations a case may introduce. We will compare the Nautilus 500 against the stock Intel cooler and the very formidable Thermaltake Big Typhoon paired with a SilenX 120x38mm fan pushing 72CFM. As noted in the previous section I will attempt to uncover any limitations in the setup of the Nautilus by testing it with the top grill installed and then again with it removed. Testing will be done under closely monitored conditions and ambient temperature will be constantly checked for accuracy. Ambient temperature remained a toasty 26C and was measured with a Radio Shack digital outdoor thermometer and crossreferenced with an IR Thermometer for accuracy. If any errors are found then the speed is determined to be unstable and no temperature will be recorded. If no errors are found then the temperature is recorded. RESULTS A picture really is worth a thousand words isn't it. Well, here's a few more for good measure. The Big Typhoon has been a strong performer for a long time now and it was only made better by mating it with the SilenX fan. The numbers posted were strong but the Nautilus had no problem manhandling it to my surprise. I really thought the Typhoon would give it a run for its money but in the end it was no contest. During testing I attempted to test if I could increase the efficiency of the unit by trying different configurations that were easy to do and didn't cost any money. I placed the unit on top of my case with a fan blowing upwards from underneath it directly onto the radiator. The increased airflow had no increase in cooling and actually resulted in higher temps. The turbulence created was most likely the culprit here. Then I tried to remove the fan grill on top of the unit as it looked way to restrictive for good air flow. Well to my surprise the temps did not budge one degree. It seems Corsair really knew what they were doing when they designed this unit.

<https://www.euralux.com/images/89-ski-doo-tundra-manual.pdf>



I wonder what would happen if we strung two of these units together in series I'll save that for another day Hint Hint. Noise Noise testing is somewhat relative in that what sounds loud to me may be perfectly acceptable to you. As such I will share with you my relative experiences with this unit. I have my computer set up in a quiet room of the house where the only noise would be from the outside world coming through the window. My impressions were good as this unit does not sound any louder than a couple of fans running in a PC. I had four fans running before so this unit was a bit quieter than before but those only using one or two fans may notice the noise levels more. Switching the unit from low to high resulted in such a slight increase in fan noise I had to hold my ear to the unit to notice the change. While not the quietest water cooling kit in existence it is certainly not the loudest. For the level of performance it offers along with the reduced amount of fans required the little noise coming from the Nautilus 500 is easily ignored. CONCLUSION I have to say I am really impressed with this product. I have been toying with the idea of trying water cooling for some time now and even went as far as to learn how different pumps work with different radiators, etc. Corsair takes out all the guess work and gives you a rock solid item that offers very good performance. I was

also shocked how easily it beat out the Big Typhoon. I knew it would do well but it really flexed its muscles when the heat got turned up. The sound from the unit was also easy on the ears. If you run multiple fans at full speed then this unit will give you a much quieter experience. Though if you typically run 1 or 2 low flow fans you may notice a small increase in sound, mostly from the pump. It is rare that I find a product as well thought out as this. There is always something, not matter how small, that I can find to improve the product in some manner.

<https://www.hotel-forsthaus.com/images/89-suburban-manual-transmission.pdf>



In this case nothing I did helped the Nautilus cool any better and that was a pleasant surprise. I would strongly suggest anyone thinking about getting into water cooling to give this unit a hard look. It is a great way to try out water cooling without the fear of destroying your system. FINAL WORDS To give you a clear picture of how I rated this product I chose four distinct areas of interest and scored them out of a possible 10. I am concerned about the PCI bracket pinching the tubes especially if your case has sharp edges. It cools your CPU better than a good heatsink and fan combo. There are better performing components out there but none this easy to handle. Share Facebook Twitter Previous Coolink Silentator Next Calibre P860, GeForce 8600GT Related Articles Daily Roundup 20200903 September 3, 2020 EVGA announces RTX30series cards. AMD has tried to break in to the market but not had much success. The laptop I am looking at today, ASUS ROG Zephyrus G15, is another challenger to the old partnership. Leave a Reply Cancel reply. Please email us if youre running the latest version of your browser and you still see this message. The actual Open Box product may differ in packaging and included accessories, but has been tested to ensure basic functionality. The new Nautilus500 brings a new cooling solution to overclockers with its allcopper CPU block and Micro Channel Technology. The Nautilus500 CPU cooling block provides maximum heat absorption and most efficient heat transfer. Fan speed can be adjusted to suit individual needs. When high fan speed is enabled, cooling performance is maximized. When low fan speed is selected, the Nautilus500 cools effectively with minimum noise generation. Ultimate Ease of Use Complicated installation processes and unproven reliability have traditionally been barriers of entry for enthusiasts looking to use watercooling solutions. Corsairs new Nautilus500 features a QuickInstall.

Compared to other watercooling solutions currently available, the Nautilus500 is undoubtedly the most userfriendly solution. Each complete kit includes prefitted, pressure tested tubing that can be adjusted to any length without the fear of accidental leakage. For mobilityminded users, the kit also includes quick connect selfsealing connectors to avoid having to drain the liquid during transport. To deliver maximum configuration flexibility, the cooling unit is adaptable with additional GPU and north bridge blocks. Both blocks are sold separately and can be daisy chained to the CPU block without cooling performance degradation. I love this cooling system, but there hasnt been one in existence anywhere near the price point ever since. I would buy 5 of these today if corsair still made

them. I originally bought this back in October of 2006, from Newegg. Here we are 5 years later. I have upgraded my computer many times over, but I've always kept the Corsair Nautilus 500, because it has always worked well. I just recently upgraded to an i5 2500k, and have it overclocked to 4.7Ghz, being cooled by the Nautilus 500. The Laing pump is of great quality. I even added a 240mm XSPC radiator into the loop, to go along with the Nautilus 120mm rad. The pump easily handles the 240mm radiator, as you can see the air bubbles whip through the tubing. The cooling is excellent. I ran Prime 95 stress test and Real Temp, my temps were 23.25c Idle and 42.45c full load. Make sure to keep your radiator clean of dust, up the top and the bottom, and your cooling will be great. I had to take mine apart, to clean the radiator, because I let too much get clogged inside of it, but now it works like new, no dust at all. In low fan mode, you can't even hear the fan. At high fan mode, you can hear the fan, but it's not very loud or annoying. There is definitely no whining noise, like I read in some other person's review. There is also no gurgling sound whatsoever from the Laing pump.

<https://casheroregon.com/wp-content/plugins/formcraft/file-upload/server/content/files/16285d526cb326---C10-repair-manual.pdf>

The only thing that I had to do recently, with my newest build, is to purchase a new water block, since there was no i5 or i7 mounts back in 2006. I went with a Swiftech Apogee XT, and it looks great, and works great. I always saved money purchasing OEM cpus, and I always get double the performance over a stock cpu, because the Corsair Nautilus 500 keeps all of my overclocked processors as cool as ice. Almost 5 Years to the day later, when I originally purchased this kit from Newegg, and it's still working like a top, as I said in my initial reviews, and follow up review, a couple of years later. All fans on low cpu gets to 110f and video gets to 125f with everything maxed. Primoflex works the best. Use only distilled water in case you do have a leak. I didn't buy this from Newegg because they were out of it but I wished I did because they are great! Cooling is as good as I expected from it. It connects to the PC's power supply so there is no worry about forgetting to turn it on. Also unlike my previous liquid cooling product, it does not leak when you tip it. Corsair tech support confirmed this problem by listening to it over the phone. The unit does still work and cools my CPU but the pump makes an unbearable loud buzzing noise my computer sounds like a jet engine. Corsair is unable to support or standby this product at this time, according to them. They offer a partial refund but no suggestions as to how to cool my computer with that. Good design, works well except for the noise. My original reviews with temperatures, etc. The temperatures are exactly the same as the day I set it up. Just make sure to clear the dust from the bottom of the radiator every so often. Corsair support is laughable at best see other thoughts. So I sent in 4 emails and no response. I had to call them with the threat of a formal complaint against the company to get any support at all. I ended up having to try to contact the manager to get a hold of the supervisor who was supposed to refund my money.

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I'm still waiting on the check. As it is, my setup has some kinks. Click here for more details. Secure shopping made faster. Check out with PayPal. Some manufacturers place restrictions on how details of their products may be communicated. Some manufacturers place restrictions on how details of their products may be communicated. Some manufacturers place restrictions on how details of their products may be communicated. Removing them is done by pressing down on the part that juts out from the Nautilus. It takes a fair amount of pressure to disconnect them so you shouldn't be able to do it accidentally. To power the Nautilus the 4 wire connector is plugged from the backplate to the back of the unit the lead carries voltage and the tach signal wires for both fan and pump. The use of the inbuilt power for the Nautilus is a good option as it powers up with the system and powers down as you shut it down unlike the likes of the Reserator that uses its own mains power lead. This avoids the scenario when your system is on but your external watercooling is still switched off.

Filling the Nautilus is simple too open the filling cap with a coin, pour in the included additive, top up with distilled water, power up and top up as the loop fills with coolant. It takes a while for the bubbles to clear from the tubing but this will not affect the system too much, allowing you to get up and running quickly. Its worth noting that when you fill the reservoir it is important not to fill it completely to the top. If you do, as we did, when you put the cap back on some liquid will disappear into the unit, finding its way through the bottom screws. This can initially be confused with a leak but Corsair have assured us they have amended the instruction manual to explain how to avoid overfilling.

The selfsealing connectors are an excellent addition to the Nautilus and although removing them is not a completely dry operation, the liquid spillage is minimal. Perfect if you move your system frequently to LANs for example. We recommend you check coolant levels though more often if you do move it more than a couple of times, a process easily done though through the coolant indicator on the front. The Nautilus 500 took us nearly three times the claimed eight minute build time but this is not a bad thing in our eyes. Reading the instructions first was essential, checking all fittings for damage was also unavoidable and a steady, careful build was more likely to be successful than a race against the clock. We have no doubt that with practice we would be down to the Corsair lockandload times but frankly that would be totally unnecessary as installation is usually a one time event if done correctly. More than 8 minutes 14 seconds later, lets see how it works. And were letting you guys get a piece of it once again. Canadabased CoolIT seems to think it has a solution that beats the preboxed watercooling sets hands down while remaining simple. Does it succeed Its made by a different OEM to the HXseries everyone is so fond of, so has Corsair managed to eke out the same level of quality. Lets find out. The BOG Book Money Savers! When the package was opened, we were immediately greeted by theUnderneath it, bubble wrapFinally, the mounting kit as well as the actual water block were located after the flap on the left hand side was lifted. A wellprepared, detailedA wellprepared AND manual in fullcolor is simply unheard of! This clearly deserves an honorable mentionTheres also the PCI passthrough bracket, various mounting components and male quick connect fittings. At the back of the bottle. The BOG Book Money Savers!

Corsair claims that it can be installedIt utilizes a veryCombine that with the ease of installation, this makes it a veryIts nice, of course, as it avoids having toWe also felt that the tubingBut thats just a minorIt certainly didnt feel cheap. But we wonder why they decided to go with an aluminium radiator, as opposed to a fullNote that most of these heatsinks are no slouches. Two of them are actually the best in the market. However, we feel that its not really that quiet.We believe that theBut we do not believe that it will be able to do so while maintaining the same level ofNot on a single 120 mm radiator, and an aluminum one at that. We feel that its aNautilus 500 comes ready to use, right out of the box. Well, except for the distilled waterIts also offered at a relatively low price, compared to other highperformance external watercoolers. Congratulations, Corsair! Review ! PriceGrabber Price Review As part of our continuous efforts to improve the value of our reviews to you,This new system also allows you to quickly get the gistThis can be very useful, especiallyWe shift throughThis allows you to quickly find out all the pertinentThe purpose of a pictorial reviewReview, you can always read the summary of the review as well as examine theIn all our new reviews, weIf the product is listed. Have you ever considered using water. As with so many other manufacturers, though, this company is expanding their product line to cover a more widespread DIY market. Of course, this isnt the companys first water cooling endeavor. You might remember a full blown water cooling solution called the Corsair COOL. This product featured several components very similar to the vaunted Swiftech water cooling series. The Nautilus takes a bit different approach than the COOL, however. According to the friendly folks at Corsair, this water cooling solution is reportedly one of the easiest and quickest to install products on the market.

So we will put this concept to test and also take a look at the performance numbers. My past

experience with external water cooling rigs has shown an unimpressive collection of lowperformance components, so we will take a hard look at this aspect to see if Corsair can do the job right. In The Box Once you get the box open, youre greeted with a very neat layout for components. The external unit is protected by plastic and the other main components are safely tucked away under the cardboard flap. So lets get everything out of the box and see what we have to play with. A quick inventory shows that we should have everything we need to get set up except for distilled water. There is even a small tube of Thermal Interface Material, but I will go ahead and resort to my standard of Arctic Silver 5 for testing. Before we get into the testing, lets take a little closer look at some of the major subsystems. Beginning with the external unit, we see a component that actually has a bit of style. While there is nothing extravagant in the design, we do see an effort in giving it some flowing curves. Since it is going to be sitting outside the case, its good to see that somebody has finally figured out that ugly just doesnt cut it. Inside the black plastic shell is the radiator, reservoir, cooling fan and pump. While I was not able to get the housing assembly apart, I did manage to gather some information about the internals to give us at least some idea as to what we can expect as far as cooling potential. The reservoir is a plastic type and has a visible slit on the front of the external unit. This allows you to verify water level at a glance so you can make sure that the unit doesnt start pumping air. This is never a good thing when it comes to liquid cooling of any variety. The fan sits under the metal mesh you see above. It is pretty standard and has two speed settings adjustable on the back of the unit to allow you to adjust the speed and volume levels.

With regards to the volume levels, even the high setting was not too loud. The fan spins at only 1800 RPM so the noise levels stay relatively low as a rule. During our testing phase, Ill make sure to check on results from both fan settings to give us as complete a picture as possible with regards to the difference the speed makes. The pump used in this cooling solution is a lowpressure model suited to the other components used in the system. Turning the external unit around shows us the business end of it. From left to right you will note the fan speed selector, and port for the power cable, and the two quickconnect couplings for the tubing. A nice feature of the Corsair Nautilus 500 is its ability to handle any supported socket design right out of the box. You wont have to figure out which processor you want to support when buying it because theyre all available in the standard offering. Besides the mounting hardware shown above, you will also see the two quickconnect tips, quicksnap fasteners for those tips, and a small tube of what looks to be a silicone based thermal interface material. The waterblock included is factory attached to the tubing of the unit. I was not able to discover much about this exact feature, but it works out to having a slim block with channels throughout to keep water flowing in as smooth a manner as possible. A closer look at the base of the block shows a very fine finish. Even the carpet fibers are reflected back with good clarity, showing an effort to make sure that the base is as flat as possible. This smoother surface will aid in the dissipation of heat into the copper material of the block. Installation Notes If youll recall the introduction, you will remember that one of the big claims from Corsair was regarding the ease of installation of this device. Having worked intimately with almost every style of water cooling in the past, it isnt that uncommon to spend the better part of an hour setting up all components.

Even the allinone units tested in the past generally require anywhere from 1530 minutes under good conditions. I can say right from the beginning that the boasts of an easy installation are generally true. The entire installation of the hardware took maybe six minutes total after beginning with a clean processor and a dab of Arctic Silver 5 in the center to finish and ready to bleed. Before we begin the installation process, I wanted to show off what a manual is supposed to look like. Full color pictures and a stepbystep detailed set of instructions that will make this an easy task even for the novice. When Corsair makes claims about the ease of installation of this product, this is where it starts. Mounting the waterblock is a thing of ease. Were working with an Athlon64 processor in our tests today and the installation was very simple. The bracket itself is not attached to the screws commonly used when using a heatsink and this type of processor. Just set the block onto the

processor, place the included foam pad and metal shim onto the block, then snap the mounting bracket into place. The only precaution to note here is to make sure that the foam pad and metal shim are set so that it can go in between the metal hose clamps. The foam pad ensures a proper amount of pressure between the block and the processor core. For those concerned about how the tubing will pass from the exterior to the interior, the answer is quite simple. This PCI bracket passthrough allows you to get the tubing set up properly. Just feed it through the bracket and cut to an appropriate length. Attach the quickrelease tips and insert them into the back of the external unit. I had a concern with this area of the installation. While it is a simple and quick step, the hose is quite tight going through the PCI bracket and there are no rubber grommets to protect the tubing.

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