



PC problems troubleshooting

Possible problem	Possible solution
PC overheating	<p>Clean up the PC</p> <p>If you haven't cleaned your PC in a while, then dirt is most probably the cause of the heating PC. It is easy to clean a desktop, but laptop users may prefer to take it to a repair shop and get it serviced. If you want to clean the PC yourself, follow the below-mentioned steps:</p> <ol style="list-style-type: none"> 1. First, completely turn off the PC and unplug it. 2. Now open the cover and you should be able to see visible dust. To clean it up, you can use a can of compressed air or a leaf blower (at slow speed). Blow the main PC components with air, especially the fans, from both front and back sides. 3. You can also use cotton buds to clean up the narrow spaces. However, don't worry if you can't get it sparkly cleaned, as we are just looking to get rid of any blockage caused by dust.
PC is slow	<ul style="list-style-type: none"> • Make sure no viruses have attacked the PC • Execute cleaning operations on the disk (defragmentation and similar) • Run a diagnostic program to check that the hardware of the PC is in good conditions. • Check if company routines, running on the PC, might impact on the PC performance • Check if Windows automatic updates have been recently installed on the PC • If the PC is outdated a RAM upgrade might be necessary • Read What are the periodic maintenance operations for the PC of the test bench?
PC beeps	<p>Out of place RAM</p> <p>If the RAM inside your PC gets loose or out of place, then your PC will beep 2-3 times and won't boot at all. The solution is simple, open up the PC (laptop users should let an expert handle this) and reinsert the RAM. Here's how:</p> <ol style="list-style-type: none"> 1. Take out the RAM completely and clean any dirt inside the slot using a cotton bud. 2. Now insert back the RAM and put enough pressure on both ends to ensure it is fully inside. 3. Afterward, close the clips and make sure they're properly locked. Even a slightly loose RAM will be unable to work. <p>Recently added hardware</p> <p>A damaged or wrongly installed hardware component could lead to beeps. Take out any newly added hardware components and see if it solves the problem. If the PC works fine afterward, then either get it installed properly or get it fixed (or replaced).</p>
Blue Screen of Death	Read How to solve Blue Screen Of Death BSOD?
Blank monitor	Read Monitor problems troubleshooting



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PC crashes before loading the OS	<p>If your PC only shows manufacturer logo and then crashes right before it was supposed to load the operating system, then it's a problem with RAM or hard disk. As the OS is unable to load, then either the RAM is corrupted and can't hold the boot loader or the hard drive is damaged and can't load data inside it.</p> <p>If you have multiple RAM slots, then taking out each one of them one by one and starting the PC will help find the cause. In the end, you will have to replace the corrupted RAM or the hard disk, whichever has the issue.</p>
PC isn't powering on	<p>If your PC is not powering on at all – not even a single light in it, then it must be a problem with the power source.</p> <p>Desktop users: If your PC's extension cord, power outlet, and other connections are working fine, then the problem may be with the PC's power cable. Replace the power cable.</p> <p>Laptop users: Take out the battery and put it back before starting the laptop. If this doesn't work, then take out the battery again and connect the charging cable to the laptop. Start the PC on charger power and see if it works. You will have to replace the battery if it fixes the problem.</p> <p>Note: You should also remove all types of external devices connected to your PC while trying this. A malfunctioning device might cause this issue.</p>
Noisy PC	<p>If you hear a lot of extra noise while using the PC, then most probably it is a reason to clean it up. Get it cleaned or use a can of compressed air to clean it up yourself. If you have overclocked your PC GPU and CPU, then they could be the reason for the noise as well.</p>
Noisy hard drive	<p>If you hear clicking or grinding sound from the hard drive, then it might be time to get a new one. Hard drives have a limited lifespan and loud sounds are the main sign of a near hard drive failure. You can use hard drive monitoring tool to check the health of your hard drive.</p>
Serial communication problems	<ul style="list-style-type: none"> Read Troubleshooting communication with appliance control board Read Electric Safety Test (EST) unit troubleshooting
Scanner problems	<p>Read Scanner troubleshooting</p>