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**This will fix 99% of all disk read  
errors!!!!!!!!!!**

[Jaime](#) (Login [xgamz](#))  
from IP address 66.236.157.20

March 14 2003 at 8:38 PM

---

You're going to be surprised when you find out how easy this is. Read the instructions all the way through before you attempt the repair just so you'll be familiar with the entire process. First take off the outer cover of you PS2. If you haven't done this before, you will have to remove all the screw covers from the bottom of the unit, both plastic and rubber, these will be the only screws you will have to remove in order to take off the outer cover.

To remove the outer cover, lift up from the rear of the unit and pull towards the front in order to clear the controller jacks and the eject/close buttons. As you remove the outer cover you will notice a small metallic ribbon cable inside the machine leading to the

eject/close and reset buttons on the front of the unit, this cable is usually taped to the top of the disc tray. This cable is not as sensitive as it appears; just remove the tape holding the ribbon cable. Once the outer cover is off you need to remove the cover to the disc tray, this will require a rather small phillips screwdriver (I've seen a few that use a standard slotted screw). Now that the tray cover is off, the first thing to do is to clean the laser eye. All you will need is a Q-Tip dipped in alcohol. Just swab the eye a few times and allow it to dry on its own, making sure that no lint was left behind from the Q-Tip.

After the cover is off of the disk tray and the laser has been cleaned you will need to plug the unit back in, (The unit needs to be hooked up to a TV as well to test it while you have it open. You should have a DVD, a game disk with a silver or gold back and one with a purple back in order to fine tune the system to play all three.) It will be necessary to have the unit powered up to perform the repair. Press the eject button so that the tray slides forward exposing the undercarriage. At the back of the unit you should see a small white, geared wheel about the size of a quarter. This little bastard is the cause of all your problems.

This wheel changes the angle in which the disk is held. You will notice that there is a small metal tab that holds the wheel in place. Take a felt-tip marker and mark the point on the wheel that meets the tab. That way you will always know the original position that the wheel was in. Now that the orig. position has been marked, feel free to spin the wheel for a few full rotations in order to see how it changes the angle. It will only alter the angle a few degrees before it goes back to zero, after it reaches the maximum angle it will go back to flat after each full rotation. Once you've toyed with it to see how it works, put the wheel back to the original position that you have marked. Then advance the wheel about 1/8 of a turn and place the disk tray cover back on top of the disk tray. (You will not need to screw the tray cover back down in order to test the machine; you will only need to hold down the cover with your fingers while trying to load/test a disk) Now place a DVD in the tray and press the eject/close button in order to close the tray and load the DVD (hold down the cover as explained above). Wait to see if the DVD loads, you may have to use the browser in order to load each disk you test. If the DVD loads, eject it and load a silver backed disk, if that loads try a purple backed disk. If all three loaded successfully, congratulations you're finished. If not, remove the tray cover, eject the disk and advance the wheel another 1/8 turn and repeat the process. It's just a matter of finding an angle that will facilitate the operation of all three types of disks. Once you've found the proper angle and the system is operating to its full potential, close it up and let'er rip. I also do not recommend placing the PS2 on its side once you have fixed it. Although Sony says they recommend it in the owner manual, I have since seen internal Sony documents retracting the statement and attributing many malfunctions to storing and operating the unit on its side. Keep it flat at all times.

Let me know how it goes or if you are having any problems with the instructions. I have fixed dozens of units with "Disk Read Error" and this has always done the trick

[Respond to this message](#)

**Author**[rj\\_lee](#)*(no login)*

24.187.150.178

**Reply****re 99% of all disk read erros**

March 15 2003, 6:23 PM

good post, can I would suggest using a streak free window cleaner like windex, to clean the surface of the laser lens. Alcohol seems to leave behind a residue. Also dont rub down too hard as the lens is supported by thin wires that could break or become bent, causing it not to focus properly.

[Respond to this message](#)**jman***(no login)*

142.161.0.92

**what about?**

March 15 2003, 11:01 PM

would your solution solve my problem, where dvd and cd games take EXTREMELY long to load, they always goto the browser, enever boot up by themselves. They never DRE but they take forever to recognize. I have cleaned both lenses, with no change. On a rare occasion, it will load up shorlty, and even rarer, it straight boots the game, be it, dvd game, cd game, or dvd movie, all have the same effects.

[Respond to this message](#)**Seraph***(no login)*

67.22.107.37

**Try it.**

August 12 2003, 10:52 PM

It worked for me. I have the same problem, and I Windex'd my lens to death with no result, and I tried that technique and it seems to load faster. *shrug* Good luck!

[Respond to this message](#)**Zero***(no login)*

63.121.114.181

...

March 17 2003, 11:06 AM

"good post, can I would suggest using a streak free window cleaner like windex, to clean the surface of the laser lens. Alcohol seems to leave behind a residue. Also dont rub down too hard as the lens is supported by thin wires that could break or become bent, causing it not to focus properly."

I have found this not to be the case. Alcohol (USP rubbing alcohol, anyway) is 70% isopropyl alcohol and 30% water. The alcohol itself evaporates very quickly and the water evaporates at length on its own.

Windex and other cleansers have, in addition to water and possibly ammonia, dyes, scenting agents, and surfactants that probably will not evaporate on their own. Unless you clean these substances off of your laser with a clean swab yourself chances are they'll just stay there and just make things worse. Some window cleaners can also wear away the coatings on glass, including the protective coatings on CD and DVD lasers and the anti-glare coatings on monitors, which is

why you should never use window cleaner on these items.

~Zero

[Respond to this message](#)

**Bella**

*(no login)*

67.8.151.213

**problem with ribbon cable thingee**

April 15 2003, 2:57 AM

<<As you remove the outer cover you will notice a small metallic ribbon cable inside the machine leading to the eject/close and reset buttons on the front of the unit, this cable is usually taped to the top of the disc tray. This cable is not a sensitive as it appears; just remove the tape holding the ribbon cable.>>

Thank you for the advise on fixing disk read errors myself. As I was taking off the top cover, the cable came undone from the inside of the unit (it is still attached with tape to the cover. Now I can't eject or do much of anything, and I don't know where the other end of that ribbon cable goes. Please help!!

Thanks,  
Bella

[Respond to this message](#)

**Bazza**

*(no login)*

24.193.249.246

**how to reconnect the cable?**

May 3 2003, 3:34 PM

Where do you reconnect the ribbon cable. It came off mine too.

[Respond to this message](#)

**Steve**

*(no login)*

12.82.132.56

**How to reconnect the ribbon thingy.**

May 6 2003, 4:34 PM

The ribbon thingy is not really easy to connect. I've found out were the other end is because my ribbon thingy broke when i opened my ps2 and messed around with it. The ribbon is connected under the place where that green chip with lots of things on it where the fan is. U have to unscrew 4 of the screws on the side of the chip and then lift it up. After that ull c some ribbons. To the right theres 3 and the middle on is the one u need to reconnect to. Its not easy find or connect its in a small corner and hard to fit ur hand in.

[Respond to this message](#)

**Mark**

*(no login)*

68.96.251.37

**Tanx Man**

July 26 2003, 11:58 AM

dude yor are the best it worked for me i had the same problem if i were gay i would \*\*\*\* u in the ass so hard...hahahaha 😊

[Respond to this message](#)

**corey**  
(Login [clege25](#))  
24.196.209.67

**thanks**

March 16 2003, 5:06 PM

thanks to who ever wrote the article.  
you saved me the money and the hassle of sending my ps2  
off.  
ps  
they make alot of money off of people sending there ps2's  
in,it only took me 30 min. that should be a free service with  
shipping only paid

[Respond to this message](#)

**joe**  
(no login)  
24.198.175.18

**thanks**

August 21 2003, 9:58 AM

thanks guy for helpin me out, it went great. peace

joe

[Respond to this message](#)

**mike**  
(no login)  
64.63.212.235

**Re: This will fix 99% of all disk read  
errors!!!!!!!!!!**

March 17 2003, 12:52  
AM

hmm... i see a disk in the back, but i dont see any metal tab  
it's held by. and it dosent really do anything but move the  
lens back and forth horzontaly, and my connection from the  
close/power button are wires, not ribbon. so i'm guessing we  
have different models of playstations, do you know if this  
method works with those, or what to do differently?

[Respond to this message](#)

**petesmith**  
(Login [petesmith](#))  
204.27.156.146

**thanks**

March 18 2003, 5:20 PM

Great detailed instructions .  
your info got my playstation up and running again after it had  
been dropped . thanks ! .

[Respond to this message](#)

**pwaul**  
(no login)  
213.202.160.120

**didnt work**

March 19 2003, 5:36 PM

I followed all your instructions and it actually made the  
problem worse.The disc tray will not open or close fully  
anymore and even if i try to do it manually it wont lock closed  
like its supposed to.I figure that i might have broken the lock  
that closes the tray.please help.

[Respond to this message](#)**error.ini***(no login)*

66.32.203.103

**re: didn't work**

May 1 2003, 2:32 PM

Uh, that's because you didn't put the tray back on there right. Look for a little white bar that moves in and out, push it all the way to the left and then put the tray back on. It will work fine.

[Respond to this message](#)**Greg***(Login Kailshin)*

24.236.66.37

**Dude.**

March 26 2003, 1:52 PM

Ok, i never owned a ps2. Then my friends stopped working and he bought a new one, thus giving the old to me. I followed the steps(which were really easy to follow) and now it works like new. So, i have a great working system now.

[Respond to this message](#)**andrew***(no login)*

67.86.147.25

**uh**

April 5 2003, 4:23 PM

i did everything u said. so when i tested it it worked but when i put it back to gether it doesnt even turn on anymore. if u no how to fix my problem e-mail me plaese. 😊

[Respond to this message](#)**Brad***(no login)*

64.169.2.47

**Worked like a dream!**

April 11 2003, 10:34 PM

It worked really well. You rock! It did take me a bit longer than expected to find just the right position on the dial but after an hour of going through each notch i was able to do it. I also noticed that the game would work on one notch but the dvd wouldnt on the same notch. really wierd. but after i tinkered with it it was all good and i got both of them working.

Thanks a million!!!

[Respond to this message](#)**Tex***(no login)*

208.191.179.4

**Re: uh**

April 24 2003, 3:29 PM

Hey, you probably ripped out your silver ribbon which connects to the start button, or messed it up. if u pulled it out, it can be put back in.

[Respond to this message](#)**earl***(no login)*

172.163.125.88

**Im with you**

June 13 2003, 10:23 PM

I did exactly whaty he said and my shhit don't even turn on any more. If any onwe knows how to fix this problem please email me. earlmitchell2006@aol.com.

[Respond to this message](#)

**Marty**

(no login)

24.88.84.165

**Elevate this one up**

April 22 2003, 4:38 PM

I spend almost an hour looking for solutions to my read data problem.

My unit (which was given to me by someone that bought another one) would play audio CDs and old Playstation games, but not DVDs or PS2 games.

I did the angle adjustment trick and it worked beautifully.

Many thanks for your assistance.

Someone needs to moderate this answer up so it is the first thing seen.

[Respond to this message](#)

**Marty**

(no login)

24.88.84.165

**Elevate this one up**

April 22 2003, 4:44 PM

I spend almost an hour looking for solutions to my read data problem on this website. Then I found this post.

My unit (which was given to me by someone that bought another one) would play audio CDs and old Playstation games, but not DVDs or PS2 games.

I did the angle adjustment trick and it worked beautifully.

Many thanks for your assistance.

Someone needs to moderate this answer up so it is the first thing seen.

[Respond to this message](#)

**ZMan**

(no login)

24.188.183.100

**Awesome Tip**

April 29 2003, 2:28 PM

Good Tip!!!! Before this my PS2 didn't play any old games like Street but now it works GREAT!!!! THANX A LOT!!!! Now I dont have to spend \$120 to get it fixed, and it only took me like 20 minutes. Thanx Again

[Respond to this message](#)

April 29 2003, 2:29 PM

**ZMan***(no login)*

24.188.183.100

**Awesome Tip**

Good Tip!!!!!! Before this my PS2 didn't play any old games like Street but now it works GREAT!!!!!! THANX A LOT!!!!!! Now I dont have to spend \$120 to get it fixed, and it only took me like 20 minutes. Thanx Again

[Respond to this message](#)**superman***(no login)*

207.30.145.6

**Thanks a lot**

April 30 2003, 10:36 AM

Thanks a lot. I thought I had to ship it off to sony which is stupid.

[Respond to this message](#)**superman***(no login)*

207.30.145.6

**Cool!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!1**

April 30 2003, 10:45 AM

As i said before thanks a lot. The instructions were very detailed and i thought i would have to buy another one. And yes that little bastered was the problem

[Respond to this message](#)**error.ini***(no login)*

66.32.203.103

**Amazing.**

May 1 2003, 2:35 PM

This trick worked beautifully. I'm getting another "broken" PS2, with the same problems. Now i'm going to fix it and throw it in my Expedition.

[Respond to this message](#)**alex***(no login)*

172.171.166.74

**necessary?**

May 4 2003, 7:50 PM

i got my first DRE when i rented a copy of splinter cell. the disc seems to be in good condition, and this is the first time it has happened to my system. is there any other way to fix the occasional disc read error without taking the system apart and whatnot? i ask this because im 15, and not being confident in my skills with a screwdriver, a more quick fix would be appreciated. i was thinking it might just be dusty or something, so would a can of compressed air do the trick?

[Respond to this message](#)**Anonymous***(no login)*

4.23.29.194

**Come on man**

July 8 2003, 3:19 PM

If a can of compressed air would do the trick, dont you think wed all save ourselves some time and do that too? You will eventually have to take it apart like the guy said, trust me.

If you wanna give your PS2 a blow, there are other ways to do it, but thats up to your discretion.

If you want to FIX your PS2, learn how to use a screwdriver.

[Respond to this message](#)

**[alex](#)**  
(no login)  
172.171.166.74

**necessary?**

May 4 2003, 7:51 PM

i got my first DRE when i rented a copy of splinter cell. the disc seems to be in good condition, and this is the first time it has happened to my system. is there any other way to fix the occcasional disc read error without taking the system apart and whatnot? i ask this because im 15, and not being confident in my skills with a screwdriver, a more quick fix would be appreciated. i was thinking it might just be dusty or something, so would a can of compressed air do the trick?

[Respond to this message](#)

**[Steve](#)**  
(no login)  
66.109.192.101

**Um confused!**

May 4 2003, 9:40 PM

I did wat u told me to do and the blue discs works, but when I put in a white disc it won't work. So every angle I find works with only 1 color. So whats with this?

[Respond to this message](#)

**[Anonymous](#)**  
(no login)  
4.23.29.194

**The right angle**

July 8 2003, 3:22 PM

If the angles you found only work with one color, then you havent found the right angle yet.

Dont expect to finger your PS2 for a few seconds and get results.

Just like when you finger anything, you better be prepared to go at it for a while.

[Respond to this message](#)

**[Anonymous](#)**  
(no login)  
66.109.197.187

**Re: The right angle**

July 9 2003, 7:29 PM

I tried tweakin the laser for like half a day.

[Respond to this message](#)

**[joe](#)**  
(no login)  
67.168.224.128

**diagrams**

May 4 2003, 10:25 PM

is there any way of getting pictures or diagrams of the infamous white gear, so i may fix my system. I read your fix

but i am more understanding of pictures

[Respond to this message](#)

**Mike**

(no login)

63.230.47.173

**NOT THE CORRECT SOLUTION**

May 7 2003, 1:53 AM

I've been a video game repair tech for over 2 years and have fixed hundreds of playstation 2 systems.

the tilt adjustment wheel is not the solution to disc read error problems.

although it sometimes gets a system to work for a month or more, it is basically a cheap way to get a system to read a little while longer until the eye completely burns out.

plus, it only works on certain models, and not very well.

the real problems lie within the eye itself. there are 5 lenses inside the laser eye unit itself, all of which can get dirty. also, there are magnets inside the eye that control the height and focus of the eye that sometimes cause disc read errors.

fixing a system the right way is a painstaking process that really should not be done at home.

i run a video game repair center in Omaha, NE, so I can perform the necessary repairs for anyone living in the area, and I would even be interested in doing mail order repairs.

if you're interested, email me at [gamerepair@hotmail.com](mailto:gamerepair@hotmail.com)

thanks

[Respond to this message](#)

**lowtech**

(no login)

65.87.145.134

**Correct**

May 7 2003, 3:21 PM

You are correct. It fixed mine for three days.

Instead of sending it to someone else, I sent it back to Sony for a FREE fix.

Yes, I'd taken off the sticker, but it wasn't modded and I didn't screw up anything, so they accepted it for repair.

What do you have to lose? Call Sony. They seem to be more than willing to fix PS2's that are out of warranty with the DRE problem.

[Respond to this message](#)

**Anonymous**

**contact sony??**

May 23 2003, 4:57 AM

(no login)  
81.152.173.222

How do I contact sony?

[Respond to this message](#)

**Edward**  
(no login)  
62.8.114.158

**re: how do i contact sony?**

August 18 2003, 3:21 AM

Don't you keep the manuals for products you buy in a safe place. You would find this sort of info in a Sony manual, or since you seem to have online abilities why don't you just go to their website?

[Respond to this message](#)

**Pero**  
(no login)  
66.156.120.178

**Re: Correct**

July 2 2003, 2:37 PM

I'm sending mine in to sony for a free fix. I just mentioned the DRE message popping up and after asking a bunch of questions they agreed to waive the \$98 fee. I took off the warranty void sticker while trying that repair thing and got stuck at the disc tray opening part because I didn't have a small enough screwdriver. Darn I hope they still repair it free!

[Respond to this message](#)

**homb77**  
(no login)  
68.101.198.66

**HEY READ THIS, MR."NOT THE CORRECT SOL."**

May 7 2003, 7:27 PM

First off, people like you give capitalism a bad name, not to mention, humans in general. This is a website where people come to get much needed information on self repairs, the last thing they want is some butthead trying to cop a spot advertisement for his worthless repair shop. Like it says on the front page, this site is free, don't abuse it. If you need to advertise, drag your lameness somewhere else.

[Respond to this message](#)

**Mike**  
(no login)  
63.230.47.173

**you read this**

May 7 2003, 9:30 PM

all im doing is telling people what is really involved with repairing a playstation 2 from a professional standpoint.

you might want to think about things before you reply with a post designed to attack another person. running a repair service doesn't give capitalism a bad name, it IS capitalism.

i wasnt telling people the only way to fix a playstation 2 is to give it to me. i merely provide another option.

many people are not comfortable opening up their system, as it is a delicate process. that's why I provide my services.

the real point is, i was trying to let people know that these "fixes" on the internet are not the correct way to solve the problem, and that it involves much more.

now you can get back to your everquest game or whatever you do when you're not attacking people you don't know.

[Respond to this message](#)

**Mike**

*(no login)*

63.230.47.173

**and this**

May 7 2003, 9:36 PM

besides, not many people have the necessary equipment available to them in order to correctly repair a playstation 2.

it requires a magnetic video head cleaner, an oscilloscope, a magnetizer, and the knowledge to disassemble and reassemble each of the 7 ps2 models. its quite a bit of work.

[Respond to this message](#)

**Anonymous**

*(no login)*

82.43.66.113

**Re: and this**

June 2 2003, 8:10 PM

I repair tv's videos and hi fis etc, we have scopes and other hi tech tools, but we rarely have to use them. Multimeter and soldering iron at the best of times. you are boring us now. If there is a simple working fix, why give it all that tech bollocks? Opening a ps2 is not scray to make a few adjustments, they are not exactly installing a messiah 2!!!!

[Respond to this message](#)

**nation1**

*(no login)*

207.6.51.24

**Re: Re: and this**

June 9 2003, 6:01 PM

Do you have the multimeter settings for ps2 350001? If you do pm, been looking to fix my son's.

[Respond to this message](#)

**Brian**

*(no login)*

129.41.55.200

**I see where you're coming from.**

May 23 2003, 3:32 PM

Mike,

I understand and respect your professional judgement. I think what got everybody so wriled up is the fact that you threw in that "shameless plug" for your business. I think you right about the quick fix, but please don't try to sell anything here. If I had the money to get my station fixed professionally...I

wouldnt be here. I'm actually gonna send mine to sony and make 'em fix it. for free!!

Take care.

[Respond to this message](#)

**Chris Buzzell**

(no login)  
66.32.80.13

**Not what omaha wants to hear**

May 11 2003, 7:00 PM

Lemme guess.....you'll fix it for 150 bucks .....right????!!!!!!  
You jerk!!!!!!

[Respond to this message](#)

**ukman**

(no login)  
82.43.66.113

**Cr@P**

June 2 2003, 8:06 PM

you are in the trade and do not want people knowing trade secrets that affect your business. Thank god for the internet. I have seen to many people purchasing lasers to find problem still exists.

I am in a similar trade and no a lot of tricks!!! you are just advertising your business!!!

[Respond to this message](#)

**DaBeau**

(no login)  
24.243.3.189

**a break**

July 6 2003, 11:54 PM

Geez...give the guy a break. I took my PS2 apart to install a mod chip and had to have a friend help me get the thing back together without ruining it. Sure some people are able to do-it-yourself but for others that aren't, he's offering his services.

[Respond to this message](#)

**[benj](#)**

(Login [gnladue](#))  
68.130.95.181

**mod chip fine - but still trouble**

July 8 2003, 9:36 PM

Hi -- I got the mod chip in fine but the heavy connector for the controller pulled the ribbon out and then the plastic lid snapped while trying to get it secure. Have you seen that happen? any way to reattach it?

thanks,  
Benj

[Respond to this message](#)

**Scott**

(no login)  
216.208.193.60

**Thanks, Awesome!**

May 7 2003, 6:24 PM

Thanks to this article I just saved over 100 bucks that sony wanted to look at my PS2. Thanks again for saving me the hassle, time, and money for something so simple.

[Respond to this message](#)

**karl**  
(no login)  
67.210.16.95

**cant get it to work**

May 10 2003, 12:08 PM

Ive tried it but ut still wont play blue discs  
please help

[Respond to this message](#)

**Koslov**  
(no login)  
24.116.93.160

**Why does the White wheel not rotate fully?**

May 10 2003, 7:51 PM

feel free to spin the wheel for a few full rotations

The white wheel that is in my play station does not rotate at will. It will only rotate to 350 degrees then stop. It will rotate this way both clock wise and counter clock wise but only up to 350. Also the wheel readjusts itself after I test it.

[Respond to this message](#)

**noodleboy**  
(no login)  
66.58.103.178

**RE: Why does the White wheel not rotate fully?**

June 3 2003, 1:29 PM

I have the same issue. The wheel cannot rotate fully because the gear has a section where there are no teeth. It is designed to stop the rotation at that point. And I don't know why it resets. It's very frustrating. I watched the dang thing do it, too! I adjusted the gear until all of the different disks were working properly. Then, as soon as the reset button is pressed, the white gear spins back and forth and resets right to the center again! Gah! It is quite obviously a different version of the machine than the one in the instruction set. The other difference that I noticed is that there is no "metal tab" holding the gear in place. It is held by a smaller gear.

Oh well. I was able to get it to work for a while, so I guess I'll live with it for now and will give Sony a call to see if they will still repair it for free.

[Respond to this message](#)

**she2003**  
(no login)  
68.211.192.180

**Only lets the CD spin faster**

May 15 2003, 5:39 PM

I tried it, and it spins only faster, but the cd still does not load. At first the disc does not read because it spins slowly, then I tried the trick and then it started to spin faster. I thought there was hope, but it still did not work. Is it because I have to put the ps2 back together why it doesn't load?

[Respond to this message](#)

**she2003***(no login)*

68.211.192.180

**Only lets the CD spin faster**

May 15 2003, 5:41 PM

I tried it, and it spins only faster, but the cd still does not load. At first the disc does not read because it spins slowly, then I tried the trick and then it started to spin faster. I thought there was hope, but it still did not work. Is it because I have to put the ps2 back together why it doesn't load?

[Respond to this message](#)**Junker***(no login)*

64.233.218.10

**2nd time around**

May 16 2003, 9:01 PM

I was getting the DRE message on my PS2, and I contacted Sony. They originally wanted \$100.00 + to repair the problem. After a bit of arguing and raising my voice, they agreed to fix it for "free"(I had to pay shipping charges). When they sent it back it worked fine for about 2 months, now I am getting the DRE message again. Thanks for posting these instructions, I don't want to be without my PS2 for another 6 weeks again.

Junker

[Respond to this message](#)**wolf***(no login)*

211.26.132.92

**excellent**

May 17 2003, 8:34 AM

thnx heaps mate you saved me time and money by your in depth explanation i cant thank you enough in one post but you can understand when i hadnt played da station for ages and then i bought two new games and they didnt work grrrrrrrrrrrr!!!!!!!!!!!!

after readin this ten minutes later i had it sussed and i was overjoyed cause i thought it was stuffed anyway thnx again dude

[Respond to this message](#)**Tidus***(no login)*

24.100.236.137

**worked great, thanks a lot**

May 21 2003, 8:06 PM

took about a half an hour, got the gear turned to the right position on the first try. Feels good to finally get ps2 fixed, it's been broken so long and I had sorta dismissed it until now. thanks a lot!

[Respond to this message](#)**Paul***(no login)*

66.156.13.162

**Thanks**

May 22 2003, 7:35 AM

Thank you for this fix. It worked great. I almost trashed the unit until I read your message. Now it works like new again.

[Respond to this message](#)

**Apollo**  
(no login)  
24.147.110.144

**Thank you I spent half my life waiting for  
Madden to load** May 22 2003, 11:17 AM

People this is real just be careful of the cable,keep the ps2 level and stand the lid straight up so the cable does not get pulled out everything else is right on.

[Respond to this message](#)

**mike**  
(Login [mike94s](#))  
65.31.47.10

**ty** May 22 2003, 3:11 PM

Hey man thanks for the tip. I didn't adjust that cog, I just cleaned my lens and the games even load right off the start without going to the browser menu. They haven't done that for a long time.

[Respond to this message](#)

**Awad**  
(no login)  
66.171.34.244

**I love you** May 28 2003, 11:14 AM

Thank you very much, I thought I was screwed

[Respond to this message](#)

**James**  
(no login)  
24.42.100.87

**CANT READ BLUE DISC!!!!** May 31 2003, 7:56 PM

ok , i burned a few dvd's with blue discs and they always \*\*\*\* up , someitmes I can play one but it skips and my other silver bottom dvds play perfecty, does anyone know anyhitng about how to play a blue disc?? I have played blue disc's before and i havnt got one to work in a while , i try for about half an hour someimtes to try and get it to work again but it just dosnt read it , goes strate to the browser screen , please someone help me!!!

email me with a response  
[jamesery27@hotmail.com](mailto:jamesery27@hotmail.com)

[Respond to this message](#)

**James**  
(no login)  
24.42.100.87

**CANT READ BLUE DISC!!!!** May 31 2003, 8:26 PM

ok , i burned a few dvd's with blue discs and they always \*\*\*\* up , someitmes I can play one but it skips and my other silver bottom dvds play perfecty, does anyone know anyhitng about how to play a blue disc?? I have played blue disc's before and i havnt got one to work in a while , i try for about half an hour someimtes to try and get it to work again but it just dosnt read it , goes strate to the browser screen , please

someone help me!!!

email me with a response  
jamesery27@hotmail.com

[Respond to this message](#)

**Sir Onyx**  
(no login)  
68.184.44.228

**Wow**

May 31 2003, 8:56 PM

It worked nicely, many thanks.

[Respond to this message](#)

**Neo**  
(no login)  
67.87.184.63

**Quick help pleez!.....=\* (**

June 1 2003, 12:44 AM

Okay..so I go through all ur steps....works out beautiful...but then....problem! Only the blurple discs play! No dvd's or silver back discs at all.

Now, when u say 1/8th of a turn....approx. how many "clicks" does that take? I'm what I like to call an "exactist".....Thanx a bunch!

I've always been a do-it-myself type of guy...and if I can get through this it would be spanktastic!  
Thanx a lot once again. =D

[Respond to this message](#)

**pmp**  
(no login)  
69.34.59.221

**clicks**

August 2 2003, 7:52 PM

dude forget about the 1/8th clicks just set ur white gear at exactly were the lens resets to 0 degrees and its flat across when u have that done turn the gear about 10 clicks then test each type of cd. if they dont all work move the gear another ten clicks and test all the cds again. keep turnin about 10 clicks till they all work it took me about 30 clicks for all my types of cds to work

[Respond to this message](#)

**rob**  
(no login)  
65.96.184.118

**saved the day**

June 1 2003, 4:41 PM

thanks to you im back on ythe playing grounds thanks

[Respond to this message](#)

**Topher**  
(no login)  
68.17.236.53

**Another Success!**

June 5 2003, 4:53 PM

Well I regret to say that I found this AFTER buying my 2nd PS2, but I fixed the broken one anyways... and I'm headed off to my local videogame trading store to see if they'll let me swap it for a diff. used console. Cross your fingers.

[Respond to this message](#)

**Topher**  
(no login)  
68.154.239.153

**HA!**

June 9 2003, 6:09 PM

Turns out babbages will give you a hundred bucks for a used PS2, one controller, and the hookups in the back (power cord, av cables). I find that a fair swap for a mixture 5 minutes of effort and a little closet junk.

[Respond to this message](#)

**dave**  
(no login)  
151.196.112.225

**it works**

June 7 2003, 11:36 AM

thanks alot for youe help it works fine now i can call the repair guy an tell him il spend my \$80 on a game lol thanks again

[Respond to this message](#)

**Anonymous**  
(no login)  
68.55.128.4

**Re: This will fix 99% of all disk read errors!!!!!!!!!!**

June 8 2003, 9:17 PM

Excellent post, fixed my system really fast. Just be careful taking off the case because it is possible to tear the wiring inside.

[Respond to this message](#)

**Madd Dogg**  
(no login)  
68.62.99.184

**Thanks it worked , Now if only modchips were that easy to do**

June 9 2003, 11:00 PM

Thanks it worked , Now if only modchips were that easy to do

[Respond to this message](#)

**a\_dude**  
(no login)  
193.128.109.45

**PS2 Disc Read Error - NO LONGER**

June 10 2003, 1:23 AM

Your instructions were clear, concise and worked very well for us. An eight-year old boy is much happier due to your assistance.

I found that the toothed-wheel did not require as much as an 1/8 turn. This would be relative to how much elevation the laser-eye required. After a couple of attempts with an 1/8th turn I went in at 1/16th turn and got the setup bang-on. The system was out of position by a very small amount, I bet this would be the case with most units, but I recommend using 1/8th turns initially to get a feel for settings.

Thank you very much!  
the d

[Respond to this message](#)

**M\*\*\*\*\***  
(no login)  
172.135.245.36

**IT WORKS!!!!!!!!!!!!!!**

June 11 2003, 8:37 PM

At first I thought this was a joke, but it actually worked!  
Thanks.

[Respond to this message](#)

**Jon**  
(no login)  
195.93.49.8

**It worked at first, then seemed to cause a new problem!**

June 15 2003, 11:57 AM

I followed the instructions to the letter, and my problem discs loaded, but after ejecting the game disc and trying another, they had trouble loading and I got more disc read errors. Now each time one loads up, I cannot turn off the PS2 and have it load again without fiddling with the white cog setting every time, and even then the game fails to load up.

This method may work with some machines as replies seem to indicate, but I can't believe I'm the 1% it doesn't work properly for!

[Respond to this message](#)

**Jago**  
(no login)  
66.27.173.173

**Call SONY for a free fix....**

June 15 2003, 3:47 PM

and I explained my problem and they walked me through the diagnostics steps and I was still getting the disc read error. She apologized that I was having the problems and said she would issue me a free repair service and I would just have to pay for shipping to Sony. I didn't even have to argue or anything, I was very polite. So if you are still having the disc read error please try that route!!

I believe Sony knows that this is a huge problem and are trying their best to take care of it.

my PS2 model number is SCPH-30001 and I purchased it over 2 years ago... it is wayyyyyy out of warranty.

Sony's repair number is 1-800-345-7669 and just listen for the menu prompts.

Good luck!!

[Respond to this message](#)

**johng602**  
(no login)  
69.19.27.21

**About calling sony**

July 11 2003, 9:10 PM

Before you sent in your PS2 did you take it appart and void your warrenty or not? And how is your PS2 working now?

[Respond to this message](#)

**dan**  
(no login)  
68.160.116.118

**Thanks alot it worked**

June 17 2003, 9:02 AM

Thanks alot it only took a little time, and it was so easy. you made my ten year old so happy and you've saved me from buying another system... thanks again

[Respond to this message](#)

**Anonymous**  
(no login)  
137.28.242.20

**Longterm**

June 17 2003, 1:18 PM

What are the long term effects of this "fix" anyone? If it only works for say, a month or so then I'd rather send it to Sony for a proper fix. Thanks for the person who took the time to post this though.

[Respond to this message](#)

**jebus**  
(no login)  
68.165.24.160

**thnks worked great**

June 18 2003, 12:34 PM

worked perfectly  
10 min. to fix worked on first try  
thnks

[Respond to this message](#)

**MATT**  
(no login)  
63.149.125.97

**TOOK FOREVER TO CHECK EVERY CLICK  
AND STILL DID NOT WORK!**

June 20  
2003, 5:02 AM

VERY TEMPORARY SOLUTION! I DID WHAT WAS STATED AT THE FRONT OF THE PAGE BUT IT WOULD ONLY START TO READ THE BLUE DISCS! AND AS SOON AS YOU SWITCH GAMES THEN YOUR \*\*\*\*\*ED. EVEN IF IT IS ANOTHER BLUE DISC. BUT AT LEAST I GOT TO PLAY FOR ONE NIGHT!!!!!!!!!!!!!!!  
BUT THIS IS NOT THE ANSWER FOR EVERYONE. SOME MY GET LUCKY AND HAVE IT WORK OUT FOR THEM BUT I DIDN'T.  
THIS PS2 IS GOING THROUGH THE DAMN WALL IF I HAVE TP SPIN THAT LITTLE WHITE DIAL FOR THE 100TH TIME!  
IF ANYONE HAS ANOTHER SOLUTION PLEASE LET ME KNOW!

[Respond to this message](#)

**Sam Mitchell**  
(no login)  
66.138.178.53

**Be sure that you try a disk after cleaning  
the eye before you mess with anything  
else!!!**

June 21  
2003, 8:36 PM

This fixed mine by just cleaning the laser eye with alcohol.

[Respond to this message](#)

**Chris**  
(no login)  
66.215.166.138

**Worked fine after just alchahol**

June 23 2003, 2:35 PM

I followed the instructions and after cleaning it with alcohol i tested it and it worked perfectly PERFECTLY!!!! thx alot im so glad i can finally play ps2 games with no problems

[Respond to this message](#)

**Chris**  
(no login)  
64.110.159.165

**No luck.....**

June 26 2003, 8:10 PM

Greetings all,

I was really hoping to post my own success story... but unfortunately, last night i had a go at the whole thing by a friend, and we just got the gist of the whole process, with no luck.

I had discovered prior to this that it plays cd's fine, but no dvd's at all, anymore. It actually quit while my brother was playing a game, which was Dynasty Warriors, and all of a sudden there were no allies, and no enemies. He was all alone on a vast field with nothing to do.

I have Contra - Shattered Soldier here, which is a cd, NOT a dvd, and it works PERFECTLY. I just had a go for about an hour, moving by the SINGLE CLICK, ALL THE WAY AROUND, but unfortunately, i had no luck at all.

I guess i'm in that 1% now. Anyone else have a similar experience? If anyone has had a similar experience, and found a solution, feel free to Email me. Best of luck, from Trinidad

[Respond to this message](#)

**Jennifer**  
(no login)  
24.154.62.99

**Re: This will fix 99% of all disk read errors!!!!!!!!!!**

June 28 2003, 9:25 AM

After trying every notch, this still did not work for our playstation 2 so I called Sony and went through a troubleshooting process with the representative. She said that because I mentioned the Disk Read Error and because she could not diagnose this problem over the phone, we could sent it in to be fixed free of charge and only pay shipping.

[Respond to this message](#)

**Logie Bear**  
(no login)  
203.220.161.39

**Thanks for help**

June 29 2003, 7:11 PM

Cleaning the lense did the trick for me, saved a few dollars to boot, never thought I could have repaired a PS2 myself.

[Respond to this message](#)

[Jazzy](#)  
(no login)  
141.151.112.232

**HELP, Didn't work, caused more problems**

July 4 2003, 7:07 AM

Ok, well i opened my ps2 up last night and tried the whole cleaning the lens and moving the white disc around on every click, but of course no luck. Well, now when I put the disc in, it won't even start to spin. I didn't really touch anything else in there, except i slid the lens alittle up the track just to make sure it was moving. So, what did I do wrong here??? Why won't it spin anymore??? HELP!!!!!!

jazzy

jazzys2@yahoo.com

[Respond to this message](#)

[Dillon](#)  
(no login)  
24.207.173.7

**Re: This will fix 99% of all disk read errors!!!!!!!!!!**

July 8 2003, 6:13 PM

When I turn the white geared wheel it will play certain games. In some spots the purple games will read and in other spots the gold disc and dvd's will read. Do you have any more sugestions??  
Thanks

[Respond to this message](#)

[Dillon](#)  
(no login)  
24.207.173.7

**Re: This will fix 99% of all disk read errors!!!!!!!!!!**

July 8 2003, 6:15 PM

When I turn the white geared wheel it will play certain games. In some spots the purple games will read and in other spots the gold disc and dvd's will read. Do you have any more sugestions??  
Thanks

[Respond to this message](#)

[Evan](#)  
(no login)  
66.108.72.186

**laser doesn't power though**

July 9 2003, 3:25 PM

I found your post very informative but alas it did not fix. My problem is that the laser moves and extends upwards but never powers on - the spindle only does a small 180 degree turn and stops.

Do you know if this is a laser replace issue ... a ribbon replace issue

or something further?

I am happy to do whatever it takes but I would love some guidance in the right direction.

Any help would be greatly appreciated.

[Respond to this message](#)

**Chris**

(no login)

216.12.120.77

**Gagged, really gagged!!!!**

July 12 2003, 10:38 PM

I bought the EQOA and the first hour I played the DRE popped on me. A month later after sending my PS2 to sony (they fixed for free) I started playing again. Fast forward 2 months and now DRE is back. I mean damn!!! So I am writing this before contact with sony again who gave a 90 day warranty for the fix. Is this going to plague me every 90 days or what? Or should I just go get a newer model? Mine is one of the first they made (You know paid 299+tax) the Christmas they came out. Anyway "I am very disappointed!" to quote Zogg? ( Or whatever his name is from THE FIFTH ELEMENT). Anyone know what I should do? VERY GAGGED!!! BTW it will still play DVD movies, but not any games.

[Respond to this message](#)

**Nick**

(no login)

66.238.152.79

**Thanks**

July 19 2003, 2:00 PM

Thanks man. My PS2 has been sitting for about 6 months. Every once in a while I would try to put a disk in and it would always get the DRE. I tried your fix and it worked! Thanks again.

[Respond to this message](#)

**Lindsay Thomas**

(no login)

12.214.235.29

**Thank you very much**

July 20 2003, 8:23 PM

Your message allowed me to fix my psx in 20 minutes, saving me a bunch of costly repairs. Thank you very much for your help, I will refer to this site for further inquiries if I have any. Again, I really appreciate it!!!!!! Peace

[Respond to this message](#)

**Lindz**

(Login [Pyroflower](#))

12.214.235.29

**Thank you!**

July 20 2003, 8:36 PM

These directions were easy to follow and fixed my ps2 right away. Sure ended alot of frustration on my behalf! Not to mention saved me a bunch of \$. Thanks alot, man!!! Peace!  
Lindz

[Respond to this message](#)

**redavis**  
(no login)  
64.112.205.144

**THAAAAAANG Q!!!!!!!!!!!!**

July 23 2003, 6:28 PM

WELL I FOLLOWED THE INSTRUCTIONS AND BY GOLLY SO FAR IT'S WORKING. THANKS FOR YOUR VAST AMOUNT OF KNOWLEDGE. RUSS

[Respond to this message](#)

**Martin**  
(no login)  
166.50.70.165

**Your Fix Worked for Us**

July 30 2003, 8:39 AM

My son and I followed your instructions, made one 1/8 adjustment and everything was back to normal! Thanks for the help!! BTW- For those who have not figured it out, the "metal tab" is the top of the metal post that holds the white gear on. Looks like a small silver disk. Also- We originally called Sony and they offered to fix this problem at no charge even though our unit is out of warranty (just in case someone does not feel comfortable opening their PS/2).

[Respond to this message](#)

**Anonymous**  
(no login)  
24.233.131.19

**Re: Your Fix Worked for Us**

July 31 2003, 11:44 AM

TTT

MODERATORS ? If there are any.....

This should be a sticky thread on page one. I believe it would help out a lot more. There would be a lot less threads about DISC READ ERROR and the people having the problems would find there answer a whole lot faster.

If there are no moderators, people please nring this page back to the top when it gets past page 2.

Later & good luck.....

[Respond to this message](#)

**CHRIS MOCHAN**  
(no login)  
80.194.149.165

**the laser**

August 1 2003, 8:42 AM

wher is the laser also how do i open the disc tray thing

[Respond to this message](#)

**Brooks**  
(no login)  
64.123.190.213

**Works for about 10 minutes**

August 1 2003, 5:06 PM

After following the instructions, the ps2 will work for 10 minutes and then the reset button will start flashing red and

the system shuts off. Does anyone know how to fix this?

[Respond to this message](#)

**Melissa**

*(no login)*

12.219.240.161

**volume question**

August 1 2003, 11:53 PM

I just found this site and am really anxious to see if this fix will work on my machine....we were getting disc read errors sporadically, but just this week we can't get anything to play.....but was also wondering if anyone could answer another problem I seem to be having....or let me know if this fix might work for this too.....

Whenever we play a DVD movie in our machine we have a really hard time hearing the volume even though the TV is turned up all the way....I've tried looking for a way to adjust the volume through the PS2...but to no avail.....anyone else have this problem??

[Respond to this message](#)

**andre**

*(no login)*

68.11.179.4

**the seal**

August 3 2003, 6:05 PM

opening this up does it void the warrenty? i talked to playstation and they said they would fix it for free it just takes too long so i wanna do it myself.

[Respond to this message](#)

**Karl**

*(no login)*

207.218.232.168

**this actually works**

August 4 2003, 2:52 PM

hey the method worked. After playing with the wheel for about an hour, my playstation was back to normal. thanks

[Respond to this message](#)

**Eli**

*(no login)*

216.100.254.100

**it really works**

August 6 2003, 8:27 PM

Thanks a lot for posting those instructions. I did exactly as you said and now the ps2 works as well as when i first got it. Doin it yourself is a lot better than havin to pay freakin sony a 100 bucks or more, and it is actually really easy. Thanks a lot, i really appreciate it!!!!!!!

[Respond to this message](#)

**Joshua**

*(no login)*

24.196.23.62

**THANK YOU**

August 9 2003, 3:48 AM

Thank you man, i was about to spend money to get this fixed but i found this. I dont have to pay 100 bucks now 😊.

[Respond to this message](#)**Chrono***(no login)*

66.142.84.138

**Fixed all but Gold**

August 9 2003, 10:10 PM

I followed the instructions, and my PS2 plays black, purple and silver discs, but not Gold. Normally, I wouldn't have a problem with this, because Gold is usually just for DVDs, but Xenosaga Episode 1 (ps2 game) is a gold-backed disc, so I'd really like to know why it wont play gold discs. Thanks if you can help.

[Respond to this message](#)**Giovanni***(no login)*

24.167.227.232

**MY PS2 wont read PS1 games or CDS, however will read PS2 games...**August 13  
2003, 12:23 PM

HELP PLEASE!!!

Gio

[Respond to this message](#)**Christian***(no login)*

194.77.48.136

**Yes, yes, yes**

August 14 2003, 1:29 AM

Yes,  
it really works! I bought a 5 DVD Box and none of these DVDs were loaded by the playstation. After adjusting the wheel (which took about 30 Minutes) really every DVD, every PS2-CD-ROM and every music-cd runs.

Great tip!!! Thank you!!!

Greetings from Hamburg.

Christian

[Respond to this message](#)**Edward Scissorhands***(no login)*

62.8.114.158

**Amazing**

August 14 2003, 4:40 AM

I might try that.

[Respond to this message](#)**krackermost***(Login krackermost)*

68.42.202.15

**worked perfectly!!**

August 15 2003, 10:23 PM

hey my man,great piece of info! worked like a charm! too freakin easy. your saving people tons of loot on this easy fix. thanks! you are a lifesaver.....

[Respond to this message](#)

**joe**  
(no login)  
24.198.175.18

**it costes nothin**

August 19 2003, 10:48 AM

if you want to send ur ps2 into the company, by law they have to replace and fix any faulty equipment, this includes the lens. if you want it profesionally repaired (not saying this wont work) but if you do, just menttion to the that the law does say this, and if they do make you pay then you'll bring them to court. peace.

[Respond to this message](#)

Current Topic - **This will fix 99% of all disk read errors!!!!!!!!!!**

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