

# Forum:[Hack Forums](#)

Thread: [\[Tutorial\] Speed up uTorrent in 5 steps \[HOT\]](#)

carecare - April 23, 2011, 6:10 am

Speed up uTorrent in 5 steps!

- Difficulty (Easy): \*\*\*\*\*?\*\*\*\*\*? -

[IMG]<http://img850.imageshack.us/img850/2329/utorrent.png>[/IMG]

Intro

I know there are many other tutorials around this topic but I didn't find one which used my methods so I decided to write this short HQ one since my speeds jumped from 2MB/s to 5.6MB/s :)

Download uTorrent

In order for this tutorial to work you obviously need the BitTorrent client uTorrent, it can be downloaded here: <http://www.utorrent.com/downloads>

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STEP 1 Run the uTorrent Speed Guide

[img]<http://img62.imageshack.us/img62/3024/speedtesteu.png>[/img]

Go to Options -> Setup Guide -> BitTorrent. (Or press CTRL + G

In Bandwith; Choose a location which is nearest to where you live.

In Network; Choose an appropriate Incoming Port, in this example it's "31821"

After that just click "Run Tests" and wait.

The first thing we want to do is running the Speed Guide, by doing so uTorrent will automatically set default settings for your connection, hence giving you some optimized and pre-defined settings!

STEP 2 Portforward

[img]<http://img687.imageshack.us/img687/6458/portforwardv.png>[/img]

Remember the port we used in the Speed Guide earlier? If your behind a router that port needs to be forwarded in order to work properly with uTorrent.

Please refer to my [Portforwarding Guide](#) if you have any problems with Portforwarding.

STEP 3 Enable Protocol Encrypting

[img]<http://img101.imageshack.us/img101/3204/protocol.png>[/img]

Go to Options -> Preferences -> BitTorrent.

Set Outgoing under Protocol Encryption to "Enable", check "Allow incoming legacy connections".

Most ISP's may filter packets containing P2P traffic in order to reduce their bandwidth requirements. Leaving this option disabled may result in download speeds becoming slow, by using Protocol Encryption uTorrent will encrypt the traffic; resulting in the ISP hopefully treating the BitTorrent traffic as ordinary traffic.

STEP 4 Advanced: net.max\_halfopen

[img]http://img854.imageshack.us/img854/1723/advancedmax.png[/img]

Go to Options -> Preferences -> Advanced.

Set net.max\_halfopen to "100"

The net.max\_halfopen setting is a TCP Connection limit option in uTorrent, by increasing it's value we can enable more simultaneous connections, hopefully resulting in an increased download speed.

NOTEThe recommended values are anywhere between 50-100 , any number lower or higher may result in unstable or poor performance.

If your using Windows XP/Vista you may need to upgrade the tcpip.sys before editing, you can do so by downloading this tool: [http://half-open.com/download\\_en.htm](http://half-open.com/download_en.htm)

STEP 5 Torrent connections & Download limit

[img]http://img39.imageshack.us/img39/1228/connectionrate.png[/img]

Go to Options -> Preferences ->Bandwith.

Set Global Maximum download rate (kb/s): [0: unlimited]: to a value higher or equal to 90000

Set Global maximum number of connections to a value between 200-400

Set Maximum number of connected peers per torrent to a value between 200-400

When you download a torrent your are downloading it from multiple users ([P2P](#)) each user has their own bandwith limits.

So by increasing the number of max connections we can download from more users and thereby increase our speed.

Now, this is the part that you really shouldn't miss, In 4 years I believed that leaving the setting "Global Maximum download rate" to "[0: unlimited]" would as described make uTorrent download torrent at the highest possible speed, however lately I've came to realize that it was not the case at all.

uTorrent have some kind of preset value on "[0: unlimited]:" (I suspect it coming from the Speed

Guide) which prevent downloads from reaching their highest speed.

NOTE More is not always better, you won't jump higher in speeds by changing the connections values to like 700+ or more, it will most likely affect uTorrents performance and make it slower.

## Final words

I hope this short guide helped you in boosting your uTorrent downloads!

Do notice that changing for example the "Global Maximum download rate (kb/s):" to 958340958309531 won't magically increase your download speeds.

There is always a limit. By following this guide; your uTorrent downloads will hopefully be at their MAX speed :)

**PhineasPhreak** - April 23, 2011, 6:33 am

No replies = Why?

Very clean and organised tutorial with explanatory screenshots. You have done well, sir. I'm a bit doubtful if they work, so I'll check it out.

EDIT: I can confirm step 3 and step 4 worked. I got around about 20% boost.

EDIT2: WOOOAH. A 48mb ebook that was predicted to take 30mins to download, downloaded in less than a minute! Maybe more seeds and peers but it still worked.

**Barneyyz™** - April 23, 2011, 6:47 am

I will definitely try this out when I get home! Good work buddy!

**carecare** - April 23, 2011, 7:44 am

(Apr 23, 2011 06:33 AM)PhineasPhreak Wrote: [\[CITE\]](#) No replies = Why?

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Ah that's great to hear :D

**Developer** - April 23, 2011, 3:01 pm

Another beautiful tutorial. I'll test this out when I download something.

**Chocolate** - April 23, 2011, 3:15 pm

Downloading a movie or two in a while, will be trying this method out before I do, hopefully it works. Bookmarking

**itechhack** - April 23, 2011, 3:37 pm

can u help me ? on teamviwer.

**carecare** - April 24, 2011, 5:19 am

Sure, PM me with TV info and I'll be glad to help :)

**-Liam** - April 27, 2011, 3:21 pm

Your layout is extremely tidy and straight to the point, I also like all the explanations on altering the different features so that you actually know what you're doing. Thanks again, hope to see a few more decent tutorials in the future too.

**carecare** - April 30, 2011, 5:45 am

Thanks! :) The more views my current tutorials get, the more tutorials I will post.

**girmal5** - April 30, 2011, 7:01 am

bookmarked this ill check it out later  
looks working

**bazook2301** - April 30, 2011, 7:04 am

Verry good tuto, thank you man

**carecare** - May 7, 2011, 6:55 am

np, please use the poll if it worked :)

**Happiness** - May 8, 2011, 3:16 am

I love you! Went from 0-10 kbs to 3-5 mbs oO

**Bryden1122** - May 14, 2011, 3:09 pm

Thank you so much :) This turned my 5 hour download into 20 minutes :D

**c00ldodo** - May 17, 2011, 4:23 pm

wow this tutorial defiantly deserve a

Clean and Really HQ. TY bro !

**Rokrvabhav** - May 18, 2011, 10:44 am

Love ya man! Jumped from 40kb/sec to 70kb/sec :DDD

**princeofindia** - May 18, 2011, 11:05 am

Excellent tutorial... thanks for the share.  
Increased my speed upto 20-25%

**Terick** - May 18, 2011, 1:28 pm

from 4mb/s to 7mb/s download films in like 1min. haters gonna hate!

**carecare** - May 25, 2011, 5:51 am

(May 18, 2011 10:44 AM)Rokrvabhav Wrote: [\[CITE\]](#) Love ya man! Jumped from 40kb/sec to 70kb/sec :DDD

Hahaha :D Nice jump there!

**RussianFederation** - May 25, 2011, 5:59 am

Good tutorial nice job bro

**Salman Khan** - May 25, 2011, 6:00 am

awesome TUT.  
thanx sir to share it.

**Fenghuang** - May 25, 2011, 11:56 am

Thanks for sharing this great tutorial with us.

Cya

**Epoxi** - May 26, 2011, 2:10 am

Thank you man. Great informative tutorial

**?3?** - May 26, 2011, 2:13 am

A nice copy and paste please thank the publisher of the writer thanks

<http://www.free3g.co.cc/2011/04/tutorial-speed-up-utorrent-in-5-steps.html>

**carecare** - May 26, 2011, 8:41 am

(May 26, 2011 02:13 AM)ethanol Wrote: [\[CITE\]](#) A nice copy and paste please thank the publisher of the writer thanks

<http://www.free3g.co.cc/2011/04/tutorial-speed-up-utorrent-in-5-steps.html>

Lol get your facts straight before accusing me of anything, that's a direct copy of my tutorial..

<https://hackforums.net/showthread.php?tid=1235577>

Notice when I posted my tutorial, which date..

**Mr Vendetta** - May 26, 2011, 8:56 am

Great Guide! Thanks ?

**?3?** - May 26, 2011, 11:23 am

(May 26, 2011 08:41 AM)carecare Wrote: [\[CITE\]](#) Lol get your facts straight before accusing me of anything, that's a direct copy of my tutorial..

<https://hackforums.net/showthread.php?tid=1235577>

Notice when I posted my tutorial, which date..

Then I am sorry pall well done for a good tut I take my hat off to you, and I am a silly sod for writing what I did.

**xeramon** - May 29, 2011, 11:58 pm

Quote:Now, this is the part that you really shouldn't miss, In 4 years I believed that leaving the setting "Global Maximum download rate" to "[0: unlimited]"

would as described make uTorrent download torrent at the highest possible speed, however lately I've come to realize that it was not the case at all.

uTorrent have some kind of preset value on "[0: unlimited]:" (I suspect it coming from the Speed Guide) which prevent downloads from reaching their highest speed.

That rly helped me ?

I have now, 1,6 MB/s instead of 1,4 MB/s

**Wickedness** - August 27, 2011, 10:02 am

Thanks for the info I have tried this and it really does help boost.