

The New
High Speed
Torrent 2.0

“Increase Your Download Speeds By Up To 500%”

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Intro

Hello and welcome to the new High Speed Torrent 2.0. We have upgraded our website with a completely new look and an updated ebook.

This ebook is for informational use only. We are not responsible for any direct or indirect damages incurred by the use of the ebook. Links to other sites and software are provided as a courtesy to you, and we are not responsible for third party software. You should always exercise caution when tweaking your system and back up all your important files to an outside source.

Now that we got the legal stuff out of the way, let's get started!

Chapter 1

(The Different Torrent Clients – Reviewed)

There are many different types of torrent clients available. We give you a list of different Clients we reviewed for you to try, although everyone has their favorite.

Utorrent: Utorrent advertises itself as “A (very) tiny BitTorrent Client” and it really is tiny. The creator of the program was able to squeeze a full-featured client into a small file size of 130KB. The client has been engineered to use a very small portion of the system memory. This is very important to keep your computer running well. The creator said that its typical memory usage is smaller than 6MB. Utorrent doesn’t require much memory usage, which is a great plus.

What’s also great about Utorrent, is the tweaks that we are able to do to it to increase your download speeds by a lot.

Advantages: The small footprint and overall responsiveness of the client are amazing. It also has advanced bandwidth controls. You can cap your bandwidth per seeds, as well as set seed caps.

It has multiple tracker support, letting you download the same files from two trackers at the same time. It also has an integrated RSS reader which monitors tracker RSS feeds.

Coollest feature: Utorrent gives you charts which show what pieces of a torrent you’ve already downloaded and which ones are on their way to

you right now. It also shows you which pieces are most common, least common, and unavailable among the current set of peers.

Disadvantage: The disadvantage with Utorrent is that it's Windows only, no OS X or Unix/Linux client. There is one planned to come out according to the developer, but not sure when. UPnP support is only available for Windows XP users only.

BitTorrent: This was the first and most famous Torrent Client around. The official client is able to handle multiple downloads without any problems. The client also has support for trackerless torrents. There is also a built-in search box for you to find torrents and a built in status indicator which indicates whether or not you're currently behind firewall.

The latest version (version 4.4) was released with UPnP support. A lot of the new clients use UPnP (Universal Plug and Play) to automatically bypass your firewall or routers running NAT (network address translation). Running a torrent behind a router or a firewall results in slower file transfer and fewer connections. UPnP traverses most routers automatically and offers other enhancements to P2P sharing performance, so UPnP is desirable.

Coollest feature: Your upload bandwidth can be capped globally or on selected torrents manually by using the slider in the main interface on the Windows version. In the Mac version, you have a totally customizable toolbar with auto-stop and bandwidth control.

Disadvantages: Overall, it lacks the more advanced features of other clients.

BitTornado: BitTornado offers some enhancements to the original, official BitTorrent client.

Advantages: BitTornado offers real-time stats and settings for each torrent you're currently downloading, as well as some detailed information about the peers you are connected to. It's a very small application. The raw code is under 300KB. It also has

support for multiple trackers, so you're able to connect to two trackers at the same time if they both are hosting the same file.

Coollest features: BitTornado has a built-in yellow status light, which indicates whether you are behind a firewall or not. UPnP support is built-in as well. So you'll be able to transverse NAT routers and firewalls easily.

Disadvantages: There is no official Mac or Unix/Linux GUI. This means you'll only be able to run it from command line with the compiled code, although you might be able to run it with 3rd party GUI interfaces. Also the interface for Windows isn't so organized as other clients.

Azureus: This client is well known as the BitTorrent client with the largest set of bells and whistles. It is written in Java, so it runs on any platform (Windows, Mac, Unix/Linux) as long as your computer supports the latest Java JREs. It has all the standard features that the other robust clients have, as well as global speed limiting and torrent speed limiting for upload and download. The application suffers from being a little bloated. The client's interface is full of buttons and can be very confusing, but on the good side there are tons of features.

Advantages: This client has a built in tracker for non-hosted sharing, and it also supports trackerless torrents. UPnP is supported, so you can bypass those routers with automatic port forwarding. Azureus uses only one port for all your torrent traffic, which minimizes holes in your router. Azureus is simply loaded with features, almost all of which are accessible by clicking on a button in the interface.

Coollest feature: Azureus supports plug-ins. There are some very useful plug-ins, an RSS feed scanner, IRC chat and time-based automatic bandwidth limiter. Also there are some entirely random plug-ins like a Sudoku game.

Disadvantages: Azureus is written in Java, which means it can be a resource hog, taking a lot of memory usage. This client also tends to be unresponsive when you're pushing a lot of downloading. If you have a lot of RAM on your fast computer, this shouldn't be a problem. You also need to make sure your Java installation is up to date with the most recent Java environment.

BitComet: This client is stable under Windows and runs using a tiny amount of system resources. BitComet also has a clean, professional looking interface that offers detailed stats.

Advantages: Exceeding small footprint and minimum RAM usage means that you will be able to run a lot of traffic through the client and not slow down your computer. BitComet has many of the same features as other clients, like UPnP support, trackerless torrents, and connections to multiple trackers. BitComet stores the status of each torrent in an XML file. So when you continue an incomplete torrent, it accesses the XML file instead of scanning the entire torrented fileset to see what pieces are missing to download.

Coollest feature: Intelligent disk caching is a great feature that many people will want. When you're transferring data at speeds of 1MB per second (which is possible with BitTorrent), your hard disk is going to have problems keeping up. Most drivers simply can't write that fast and drives that can are put under stress doing so. This client caches the data, giving your hard disk time to catch up and improving read/write performance.

Disadvantages: This client is for windows only. However, the minimum system requirements are 128MB of RAM and a 266MHz Pentium. It can be run on the most oldschool computer with slow speeds.

BitLord: This client is described as an updated version of BitComet. Although Bitlord is apparently just a version of BitComet modified to present advertising in the interface. Certainly, the advertising part is true. There are ads that appear in the lower left corner of the client urging you to upgrade to a "pro" version of Bitlord.

Quickly looking at the features, it becomes apparent that it is almost the exact same application as BitComet. BitLord has support for UPnP, torrent prioritization, bandwidth limiting and trackerless torrents. I personally would stay away from BitLord.

So while there are many torrent programs available, I suggest using Utorrent because it can be hacked and tweaked to perform better then it was regulated.

Chapter 2

(Methods To Greatly Increase Your Torrent Download Speeds)

There are many ways to increase your torrent download speeds. I will be explaining each method with a step-by-step procedure you can follow. I was able to increase my download rate by a lot with these steps.

Method 1: Open Up Your TCP port

One method that can greatly increase your download speeds is by opening your TCP port, "dedicated lane" for torrent file download.

"Port Forwarding" might be known by some people, but many are clueless about this important factor. I'll explain to you how it all works.

That blue or green cable that is coming out of your computer/modem/router is one busy highway which comprises of 65,536 tiny electronic lanes and each lane is called a port. Each port is designed to allow only specific types of information through.

Here are some example port assignments. Each port is for a specific type of information to pass through it.

- HTML pages: port 80
- FTP file transferring: port 21
- World of Warcraft: port 3724
- POP3 email: port 110
- MSN Messenger: port 6901 and ports 6891-6900
- Everquest: port 1024

- Bit Torrents: port 6881

Torrents, by default, always look first for port 6881 to enter/exit your computer. If your port 6881 is closed for whatever reason, torrents will then look for port 6882, then 6883, and so on, until it eventually tries port 6999 before giving up in frustration.

You can tell your own personal router and firewall at home to open you ports 6881 and 6882, so then your torrents can have a clear path to get downloaded. This will get them to your computer much faster.

Every ISP, and every home router, can optionally block any of these ports with the intention of preventing hackers and controlling the network.

It's true that opening your ports does increase the possibility of getting hacked by the bad guys, but there are ways to reduce that threat while still getting fast torrent download speeds.

Your Firewall can be blocking all the ports used by P2P clients. To make sure that the torrent ports are open to requested clients, your home router or firewall can be manually configured to accept them. Most home routers have a feature called "Port Range Forwarding" to do this. This feature will allow you to tell the firewall where the traffic for a given port number should be directed.

Sometimes you may have more than one computer connected on your home network. This may slow down the transfer rate. So to avoid that, you may set up different port ranges for each. Remember that torrents travel through ports 6881-6999. So for example you may set one computer to have ports 6890-6899 open and the other computer to have ports 6990-6999 open. This allows a clear path for each computer. (If this sounds complicated don't worry I'll show you exactly what to do.)

One thing many people don't realize is that Windows XP computers have a built in Windows Firewall. If port forwarding is set up on a home router, but your Windows Firewall is running on the computer that you're downloading your torrents, incoming requests will fail to

reach the client. You must ensure that Windows Firewall is either disabled or is set up to allow the appropriate Torrent ports to pass through. The same concept applies to other software firewalls.

Now to set up port forwarding (open your TCP ports up) on your computer: for step-by-step instructions on exactly how to do this you should visit <http://www.portforward.com> and follow the process.

Method 2: Little Trick

A little trick that can help increase your torrent download speed is by manually decreasing your upload speeds. When you decrease your upload speeds your download speeds should increase.

Method 3: Tweaking Performance

The connection limit was introduced by Microsoft with Service Pack 2 for Windows XP and Service Pack 1a for Windows 2003. What it does is it limits the connection request at a time to 10. This is so it prevents malware from spreading its seeds rapidly all around the network. (If you protect your computer properly with a good antivirus this shouldn't be a problem.) Some programs, an example would be file sharing software, sometimes reach the limit and therefore cannot perform as require without the limit. You can easily check yourself if your system reaches the limit. Just take a look in the event viewer (Press start, click run, and enter Eventvwr.msc) When you click the system entry, just take a look at the row named Event ID. If you see the number 4226 displayed, then your system has reached the limit at that time. Now the following steps will tweak your computers performance. Reminder, while I have used the software on my own system and haven't experienced any issues, I cannot be held responsible for how the software acts on your system.

(This will only work on Microsoft Windows XP Home/Professional and Microsoft Windows 2000 Professional)

Step 1: Download the utility [here](#). (Download the first one)

Step 2: Install it.

Step 3: Open it up.

Step 4: Select Profiles>Suggested and it should highlight all the important settings.

Step 5: Click "Apply Settings" and restart Windows for it to take effect.
Step 6: Open it up again. To increase the connection limit go to Special>Connection Limit, which will bring up a dialog box with a message.

Click "Yes, I got it".

A second dialog box will show up displaying your current Connection Limit. If the limit set on your computer is 10, then change it to 50 and click "Patch".

Applying this tweak is very useful for file-sharing software.

Method 4: Tweaking UTorrent

Step 1: Go to Options>Preferences>Network.

Step 2: Under "Port used for incoming connections" enter any port number. It's best to use a port number above 10000. I personally use 45682.

Step 3: Make sure you uncheck "Randomize port each time Utorrent starts. If you have a router it's very important. If you don't have a router or a firewall, then you can check it for extra security.

Step 4: Uncheck the "Enable the UPnP port mapping" (Windows XP or Later Only). If this is checked, you will experience it slowing down speeds. It's not necessary if you manually forward your ports.

Step 5: Uncheck "Add Utorrent to your firewall exceptions." (For Windows XP SP2 or Later only) [Do this if you have Windows Firewall disabled.]

Step 6: Set your "Global Maximum upload rate (kb/s) [o: unlimited]" to 22. This will upload at a maximum of 22 kb/s. [I mentioned before reducing your upload rate will increase your download rate.]

Step 7: Set your "Protocol Encryption" enabled. I recommend to everyone to enable this because this can help increase speeds with many ISPs.

Step 8: Make sure you check "Allow incoming Legacy Connections"

Now go to Options>Preferences>BitTorrents

Do all of this:

Step 1: Set your "Global Maximum Number of Connections" to 130. (For 256K connections) Setting this number to low will limit your speeds, and setting it too high will cause too much bandwidth to be used, and can cause slowdowns.

Step 2: Set "Maximum Number of Connected Peers per Torrent" to 70. (For 256K connections) If you see that the peers connected to a specific torrent are exactly that number, or very close, then increase this number to improve seeds.

Step 3: Set "Number of Uploaded Slots Per Torrent" to 3. (for 256K connections) This depends how much you want to upload to other users. If set too low it may affect download speeds.

Step 4: Check "Use additional upload slots if upload speed <90%"

Step 5: In Options>Preferences>Queuing, Set "Maximum Number of Active Torrents" to 2 (for 256K connections)

Step 6: Set "Maximum Number of Active Downloads" to 1 (for 256K Connections). [If you download more than one torrent at a time you will experience slow speeds. It is best to download one file, and then download one after.]

Step 7: In Options>Preferences>BitTorrent, Check "Enable DHT Network" (This is recommended to be checked to improve speeds. More people will be available for sharing if it is checked.

Step 8: Check "Enable DHT for New Torrents"

Step 9: Check "Enable Peer Exchange"

Step 10: Check "Enable Scapping"

Step 11: Under Options>Preferences>Downloads, Check "Pre-Allocate All Files"

Step 12: Under Options>Preferences>Downloads, Uncheck "Append .!ut to Incomplete Files"

Step 13: Now Go To Options>Preferences>Advanced, and Set "net.max_halfopen" to 50.

“How to Calculate Optimal Setting for Your Connection”

Now the above settings are set for 256K connection. But you may have a slower or faster connection.

In order to actually apply the following, you will need to know what your maximum upload and download speeds are. You can test to see what your bandwidth is [here](#).

Maximum Upload Speed

If you are uploading at your maximum upload speed, then there may not be enough space left to maximize your files that are downloading. So you will need to cap your Maximum upload speed.

Your optimal upload speed will be 80% of the maximum upload speed. So if your maximum upload speed for example is 200, then you will want to set it to 160.

Maximum Download Speed

Setting your maximum upload speed to unlimited will hurt your connection. You will want to set it to the optimal speed. Set your maximum download speed at 90% of the maximum download speed you're capable of. So for example your maximum download speed is 200, you want to set your maximum download speed at 180.

Maximum Connected Peers Per Torrent

You will want to set this to $1.3 * \text{upload speed}$. So if your upload speed is set to 100, you will set this to 130.

Maximum Upload Slots

Set this to $1 + (\text{upload speed}/6)$

$[1 + (\text{upload speed} [\text{divided by}] 6)]$

Disable Windows Firewall

Windows Firewall hates P2P so disable it and get a decent Firewall like

Zone Alarm.

You also want to optimize your connection with [TCP Optimizer](#).

Method 5: Firewall and Router

If you have a firewall you may want to set it to allow your file sharing program to have access to the internet. Do the following step to set this up.

Step 1: Open up the options/preferences/settings for your firewall. Usually your firewall has an icon at the bottom right inside your start bar.

Step 2: Look for the keywords "allot list" or "program"

Step 3: Add the application you want (your file sharing program) to give access to the internet.

Step 4: Save your setting when you're done.

If you have a router then you will want to forward your ports. Do the following to fix your router to forward the desired ports.

Step 1: Go to your start menu and click run.

Step 2: type in "cmd" and press enter.

Step 3: Type ipconfig, and press enter.

Step 4: Remember both your ip address and your default gateway.

You might want to write them down somewhere.

Step 5: Type in your default gateway into your default browser.

Step 6: A password prompt may come up. The default username and password are admin for my router. If you don't know yours then you should call your ISP to find out what it is.

Step 7: Under "Applications" fill out one line for each p2p client you use.

Step 8: You need to use your ip address, the correct port range, and set either TCP or UDP.

Step 9: You can find and change the ports in the p2p client's settings, just make sure they are the same ports that you have forwarded for your router.

Step 10: Most p2p apps need both TCP and UDP checked, if you are not sure check your p2p client's FAQ.

Step 11: Now save your settings.

Check PortForward.com to forward ports for uTorrent.
Some of the settings I mentioned above are relative to my bandwidth.

Chapter 3

(Software to Help Boost Your P2P Download Speeds)

There are a few programs said to accelerate your torrent Clients performance, but all of those programs are filled with viruses and spyware. Installing one of those programs will ruin your computer.

There are 6 FREE programs ready for you to download that are completely free of any spyware or viruses Guaranteed!

These programs are created by the best team, TrafficSpeeders, LLC.

Program 1: The first program is used to Increase Azureus download speeds. If you have an Azureus Client then this is for you.

To get the Download for this program click [here](#).

This add-on applies a technology that can multiply the speed of any torrent download. It will boost download speed of large files.

Program 2: This program increases your Morpheus downloads. Not many people use Morpheus anymore, but it's still a big P2P downloader. This program will increase our

download speeds greatly.

Your link to download this program [here](#).

Program 3: This program will increase your BitComet downloads. This program incorporates most up to date technologies to increase your download speeds for the client.

Download link for the program [here](#).

Program 4: This program is an add-on for BearShare to help boost the download speeds.

Your download link for this program is [here](#).

Program 5: Limewire is very popular. This program is for the very popular Limewire Client. It will increase your download speeds a lot.

To download the program click [here](#).

Program 5: This program is very popular. It helps increase the most popular torrent client, BitTorrent. BitTorrent was the first torrent client to hit the scene. If you want to use a program to boost your client, go with BitTorrent, and get this program.

To download the program click [here](#).

Chapter 4: (Quick Tips)

Disable Windows Firewall

It sucks. Windows Firewall hates P2P and often leads a life of its own. So disable it and get yourself a decent (free) firewall, Kerio or Zone Alarm for example.

Optimize your Internet connection

[The TCP optimizer](#) is a freeware utility that optimizes your Internet connection. I found it very useful and it helped speeding up my connection for regular Internet activity and for downloading torrents. Just download it, and move the slider to your maximum download rate (note that it's in kb/s). Don't try to set it higher because that will hurt your download speeds!

Download the Internet Booster Software [HERE](#)

And Last, but Not Least: Make sure your system is clean or malware

To do this, just download the Best Software on the Planet dealing with this, [SpyBot Search and Destroy](#)

To surf in privacy you can visit: <http://www.freeproxy.ca/>

For COMPLETE Internet Privacy, visit: www.findnot.com

Anonymous P2P: www.nodezilla.net

And now you can download your Satellite for PC bonus [HERE](#)

ENJOY!