

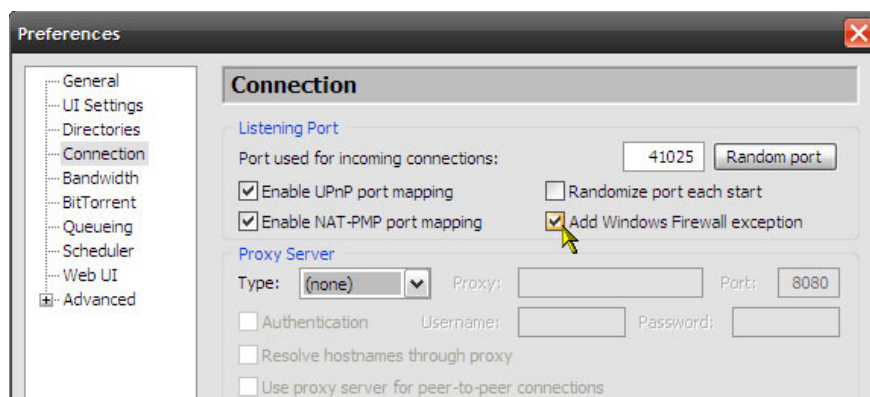


of seeders and preferably lower leechers.

## 4. Firewall

The firewall can block all BitTorrent input connections. In contrast, to ensure, a firewall should be manually configured to accept connections and allow it through that client. Windows XP has the default Windows Firewall. Configure this firewall to accept connections by checking the BitTorrent client on the allowed list.

**Options** -> **Preferences** -> **Connection** -> tick **Add uTorrent to Windows Firewall** . Also, check the Windows Firewall exception (if you want to turn it on) in your client.



*Note* : If the home computer is behind a router, it should also be configured via a feature called Port Range Forwarding to allow torrent traffic .

## 5. Limit your upload rate

A peer to peer network, all sharing is similar, but the upload and download rates are unlimited. Check the speed, find the maximum upload speed and then set your client upload rate to about 80% of the maximum upload speed. You can also try different upload speeds - keep the original speed high and then reduce it to about half the download speed.

*Note* : it is important to remember that speed unit - it can be **kilobits per second** (kb / sec) or **kilobytes per second** (kB / sec). **1kilobyte = 8 kilobit** .

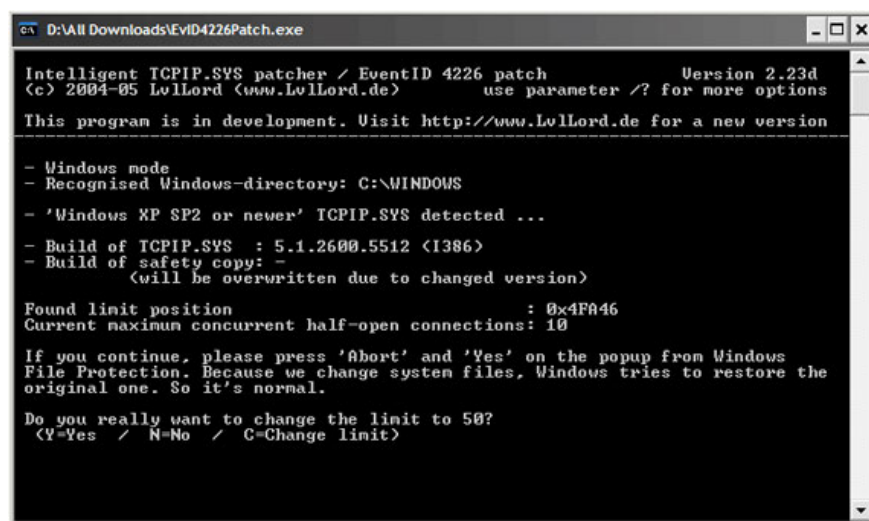
## 6. Go to another port

The default port for the BitTorrent protocol is any port in the range of 6881-6999. ISPs regulate traffic on these ports as BitTorrent sharing includes high bandwidth usage. It's easy to configure another port in your torrent client. Use some over 10000 to pass ISPs and also avoid problems with other applications. By default, the uTorrent port is random every time it starts. Set a specific port by not allowing to set **Randomize Port** .

## 7. Increase the number of Max Half Open TCP connections

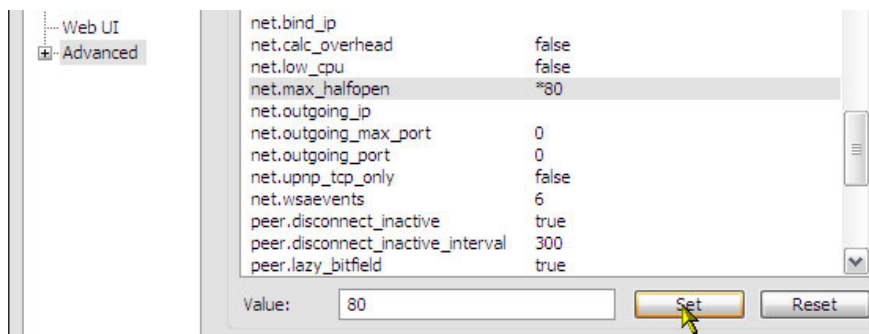
This number specifies how many connections a torrent client tries to set up at the same time at any time. Windows XP with Service Pack 2 (SP2) or newer, the default limit is 10 as a barrier against virus spread. But it is a low figure for torrent speed, torrent needs a large number of concurrent connections.

A patch is available to change the **TCPIP.sys** file in Windows to allow a higher number of TCP connections.



```
D:\All Downloads\Evid4226Patch.exe
Intelligent TCPIP.SYS patcher / EventID 4226 patch          Version 2.23d
(c) 2004-05 LvlLord (www.LvlLord.de)                    use parameter /? for more options
This program is in development. Visit http://www.LvlLord.de for a new version
-----
- Windows mode
- Recognised Windows-directory: C:\WINDOWS
- 'Windows XP SP2 or newer' TCPIP.SYS detected ...
- Build of TCPIP.SYS : 5.1.2600.5512 (I386)
- Build of safety copy: -
  (will be overwritten due to changed version)
Found limit position : 0x4FA46
Current maximum concurrent half-open connections: 10
If you continue, please press 'Abort' and 'Yes' on the popup from Windows
File Protection. Because we change system files, Windows tries to restore the
original one. So it's normal.
Do you really want to change the limit to 50?
(Y=Yes / N=No / C=Change limit)
```

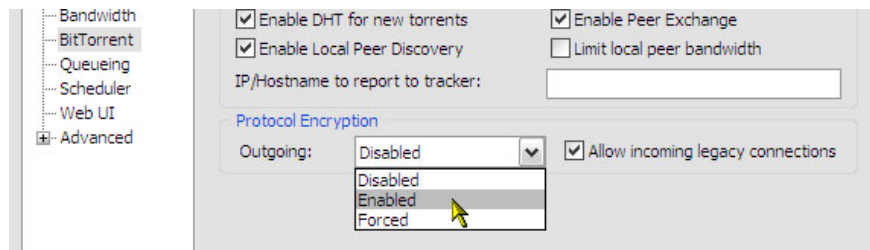
After running the patch, you must set up the connection number in your torrent client, in uTorrent go to **Options** -> **Preferences** -> **Advanced** -> **net.max\_halfopen** . Set any number from 50 to 100. But we see that **net.max\_halfopen** is set lower than the setting value in **TCPIP.SYS** . Always check if it is because sometimes Windows updates will overwrite it.



## 8. Experiment with protocol encryption

Some ISPs like Big Brothers limit bandwidth for P2P protocols. Protocol encryption in most torren clients helps to override this bandwidth arrangement.

Enable encryption of the protocol and check **Allow Incoming Legacy Connections** .

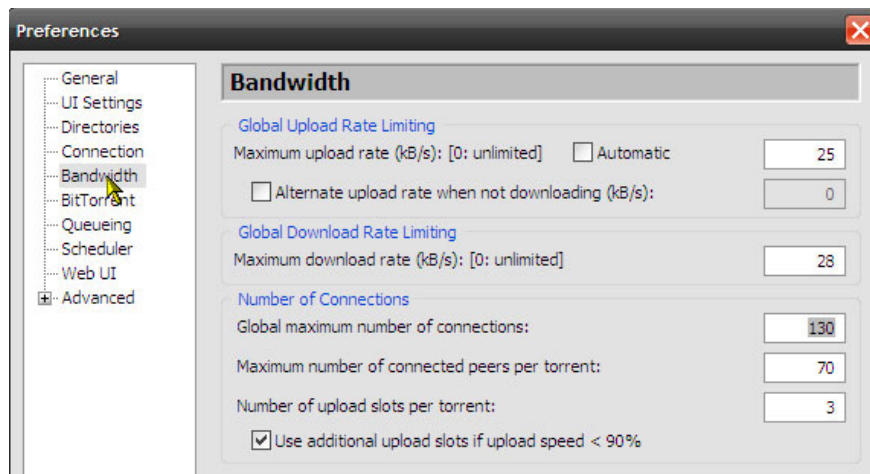


With protocol encryption, ISPs find it difficult to detect traffic coming from BitTorrent. Experiment with enable, disable or other options because you can do better with disabled encryption. No encryption makes a torrent connection more compatible with someone who doesn't use encryption, but as a subtraction it makes the torrent network detectable by an ISP with bandwidth-limiting policies.

## 9. Bandwidth and connection

The option to install your BitTorrent client will allow you to enter the numbers:

- **Global maximum number of connections** for the maximum number of connections that a BitTorrent client can create for any P2P exchange. This setting is too high does not mean higher speeds but will be useless bandwidth consumption. With the 236 kbps connection, we set it to 130.
- **Number of per-torrent upload slots** for the largest number of peers that a BitTorrent client will upload to any P2P exchange. A low setting may affect the download process.



uTorrent has a Speed ??Guid convenient for calculating numbers with a special connection.

## 10. Some common circumstances

Most BitTorrent clients allow us to view individual files during a download session. You can choose to disable the download of the file that you think is unnecessary.

See more:

1. 9 tools to download the best torrent files

## 2. Top 22 most popular torrent sharing sites

You finished reading the article "**10 ways to increase download speed of Torrent**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.

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