

## wiTECH 2.0 System Network Requirements

All wiTECH IP addresses should allow and have access to the following domains and all of its sub-domains through Ports 53, 80, 443, 541 and 514 for the proper functioning of wiTECH 2.0 System.

- fcawitech.com
- mixpanel.com
- bugsnag.com
- <http://fonts.googleapis.com/css?family=Roboto:400,300>
- witech2.com
- dcctools.com
- akamai.dealerconnect.chrysler.com.edgesuite.net
- adobe.com
- akamai.com
- akamaiedge.com
- chrysler.com
- dealerconnect.com
- dodge.com
- edgesuite.net
- java.com
- jeep.com
- sun.com
- wiadvisor.com
- witechsystem.com

The firewall also needs to allow .zip files from the above mentioned websites.

## wiTECH 2.0 Bandwidth Requirements

### DESCRIPTION:

- Reliable Internet connection speed and consistency are essential for the wiTECH System to complete flashes.
- It is recommended that the communication speed of your Internet connection be a **minimum of 1.5Mb/sec** (Megabits per second) for the 1st wiTECH Client.
- Each additional wiTECH Client should have **1.5Mb/sec. of additional available bandwidth**. Of course, the better the connection is, the faster the flash files will download before the flashing will commence.

## ABOUT CONNECTION SPEED

- Most Internet Service Providers (ISPs) advertise their Internet connection speeds in Mb/s or Mbps (Megabits per second).
- However, when testing your Internet connection, sometimes the results are displayed as MB/s (note the capital B) which means Megabytes per second.
- *There is a big difference between the lowercase **b** and the uppercase **B**.* If the results are displayed as MB/s then the number has to be multiplied by 8 in order to obtain the speed results in Mbps:

*For example, if the speed test resulted in a speed of 1.5MB/s (note the capital B), then we would calculate Megabits as follows:*

$$1.5 \times 8 = 12$$

*By this calculation, the Internet connection speed is 12Mbps (12 Megabits per second).*

## TESTING YOUR CONNECTION SPEED

- Two popular speed test websites are [www.speakeasy.net/speedtest](http://www.speakeasy.net/speedtest) and [www.speedtest.net](http://www.speedtest.net).
  - Both websites already display the results in Mbps (Megabits per second).
- As resources on the network are used, bandwidth availability can be reduced. Therefore we recommend performing a network speed test **from multiple machines simultaneously** to capture true network speed.

### Speedtest.net:

- [Speedtest.net](http://www.speedtest.net) automatically chooses the test location for you; all you have to do is click on the **Begin Test** button in the middle of the site.
- The results will be displayed once the test is completed.

### Speakeasy.net

- The [Speakeasy.net](http://www.speakeasy.net) speed test lets the user chose the target location of the test.
  - We recommend that you choose the target server that is closest to your dealership.
- After choosing a location the speed test will automatically begin and results will be displayed once completed.