



Bandwidth & VoIP

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NOTE: Bandwidth can affect your sound quality if there is not enough available or it is being consumed by the computers, and other IP phones on the network.

- Your Broadband internet connection will generally have more download speed than upload speed.
- Each call uses roughly 80 kilobits (kb not kB) of both upload and download.
- Remember that computers and other internet devices will lower your available bandwidth.
- If you are using near the full capacity of your connection, latency may increase and affect sound quality.
- A good rule is to plan to use only 85% of your connections ability

Test Your Connection:

Below are a couple links where you can test your bandwidth.

The result will give you two numbers -- upstream and downstream. Divide the lowest of the 2 numbers by 80.

This is the number of consistent calls your connection can support.

Example:



Take the upload result and divide by 80.

In this example there would be enough bandwidth for 21 phones ($1724 / 80 = 21.55$).



However, please remember you should only use 85% of you connection for better quality of service.

(21 * .85) = 17.85 or 18 consistent calls can stably be held by this connection.

NOTE: This is assuming nothing else on the network is consuming your bandwidth (ie computer traffic)

1. SpeedTest.Net
2. dslreports.com/speedtest?flash=1