RealSpeed

RealSpeed is for Consumers to self-diagnose problems, without having to contact their ISPs.

Testing

A RealSpeed test runs in two parts: part one measures the router speed while part two measures the device speed. Testing for the device speed automatically begins after the router speed test has finished.

During the test, measurement data is sent from the test agent to the browser.

As the tests run, the numbers are greyed out. When the test is complete, the final results are in black. A blue bar underneath the numbers indicate the test’s progress.
Mobile device limits

Due to hardware and software configurations, mobile devices have a maximum speed limit. Often these limits can be below the available speed you’re trying to test, obscuring the real speed. These figures aren’t published or readily available, so SamKnows uses machine learning to sift through our vast dataset of previous tests to create a database of device limits. We need a minimum sample of results before we can display a device limit.

If a test result looks like it has been limited by the hardware, not the available speed on the network, we notify the user.

Examples:

- iPhone 11 limit: 930 Mbps
- iPhone 7 limit: 476 Mbps
- iPad mini 2nd Gen limit: 150 Mbps