

Annyang 3.0: Add Voice Commands to Any Website With 2 KB of JavaScript

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2026-06-17

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Annyang 3.0: Voice Commands for Any Site in 2 KB of JavaScript
A TypeScript rewrite built on the browser's Web Speech API

- 2 KB**
Whole library, zero dependencies
- ~5 lines**
To wire up a spoken voice command
- \$0**
No API keys, uses the browser's engine

June 17, 2026

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Annyang, an open-source JavaScript library by Tal Ater, reached [version 3.0.0](#), a full rewrite in TypeScript that adds voice commands to any website. It weighs about 2 KB, has no dependencies, and needs no API keys, because it sits on top of the [Web Speech API](#), the speech recognition engine already built into the browser. Setting up a command takes a few lines: you map a spoken phrase to a function, then call `start()`. Phrases can include wildcards,

so `search for *term` passes whatever the user says after “search for” to your code. Version 3 ships type definitions, works as an `import`, a `require()`, or a plain `<script>` tag, and stays safe to call in browsers that lack speech recognition.

Adding voice to a website normally means wiring up a paid cloud service like Google Cloud Speech-to-Text or Amazon Transcribe, which costs money and takes setup. Annyang skips that by using the recognition the browser already provides, so the feature is free and lands in about five lines of code. For accessibility this matters: someone who cannot use a mouse can move through a site by speaking. It also fits kiosks, dashboards, and hands-free forms, where touching a screen is awkward.

The catch is what annyang inherits from the browser. Speech recognition only runs where the [Web Speech API is implemented](#), mainly Google Chrome and Samsung Internet, and Chrome sends the audio to the cloud to transcribe it, so it is neither offline nor fully private. The real limit now is browser support and privacy, not the library.

Read More: annyang understands speech for free in the browser; [VoxCPM2](#) handles the other direction, generating it.

Sources:

- [annyang 3.0.0 changelog \(GitHub\)](#)
- [annyang live demos and tutorial](#)
- [annyang on npm](#)
- [Web Speech API \(MDN\)](#)
- [Speech Recognition browser support \(Can I use\)](#)

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