

The Tech

Talkler is packed with new technology and innovations* that set it apart from any other email or voice-powered app. Here are just a few of them...

"Hey, Talkler" Always-Listening Voice Trigger

To get Talkler's attention anytime, just say, "Hey, Talkler." Talkler uses the latest voice-trigger technology to pluck the magic words — "Hey, Talkler" — out of the noisiest acoustic settings. Simply say, "Hey, Talkler: Read my email" (or any of Talkler's three dozen voice commands).

Diverse Multimodal UI

More than just text-to-speech (TTS) or speech recognition (ASR) or onscreen gestures... Talkler also leverages iPhone's proximity sensor for Raise-to-Ear Privacy Mode™, and iPhone's accelerometer for the unique Talkler TripleTap™. Talkler tracks sound, sight, touch, motion, distance — to make possible a diverse range of user interactions unmatched by any other email or speech-only solution.

Talkler Teleprompter™ TTS-Synchronized Auto-Scroll

Talkler Labs has developed an auto-scrolling, oversized text display that is always in sync with Talkler's TTS engine. Similar to a TV studio teleprompter, the Talkler Teleprompter* is easily readable at a glance and at a distance — and specially timed so that a hard-to-catch word remains visible on screen for just the right number of seconds.

Talkler TripleTap™ Accelerometer Trigger

Three swift taps on the iPhone will get Talkler ready and listening for a voice command. Talkler has developed new techniques for reading the "fingerprint" of each tap's amplitude, timing and direction, so that Talkler can intelligently differentiate between a user's intentional TripleTap* vs., say, too many potholes in the road.

* Patents pending.

Talkler TapAnywhere™ Heads-Up Onscreen Gestures

No hunting for tiny onscreen buttons... Built with driver safety in mind, these specifically designed onscreen gestures are "as easy as your turn signal" — and just as heads-up. Users can tap or swipe across nearly any part of the screen to pause or play emails, skip to the next message — even pinch anywhere to delete.

Raise-to-Ear Privacy Mode™

Using iPhone's proximity sensor, Talkler detects when the user raises iPhone to the ear for close-range privacy. Talkler switches instantly from the speakerphone speaker at iPhone's base to the private speaker near the top. Talkler simultaneously locks the screen so the user's ear won't trigger any unwanted onscreen gestures.

MP3 Recorded Replies

To avoid the classic problems associated with proofreading, unintuitive spoken punctuation schemes and unreliable round trips to the Cloud for transcribing, Talkler instead records the user's voice (just like leaving a voicemail message). Talkler employs silence detection to sense that the user is finished, then attaches the recording as an MP3 file to the email reply and sends it.

On-Device Speech Recognition

Talkler performs state-of-the-art speech recognition right on iPhone's processor. This approach is more secure, faster and more reliable than typical speech recognition (which requires round trips to the Cloud, where servers interpret utterances and send back a transcription). On-device processing means Talkler understands voice commands from the user, even when traveling through cellphone dead zones with no bars.

