



## User Guide

*On-device speech-to-text for macOS*

Version 1.21

## What is HushType?

HushType is a macOS menu-bar app that turns your speech into text, entirely on your Mac. Hold a trigger key, speak, and your words are typed into whatever application has focus. There is no cloud service involved — all processing happens locally on your Apple Silicon chip using the Whisper AI model.

Because everything runs on-device, HushType works offline, keeps your audio completely private, and responds quickly without network latency.

## Requirements

- **macOS 14 (Sonoma) or later**
- **Apple Silicon Mac** — any Mac with an M1, M2, M3, or M4 chip (Intel Macs are not supported)
- A working microphone (built-in or external)

## Installing HushType

1. **Download the DMG** from the HushType releases page on GitHub.
2. **Open the DMG.** Double-click the downloaded file to mount it.
3. **Drag HushType to Applications.** In the window that opens, drag the HushType icon onto the Applications folder alias.



*DMG window showing drag-to-install layout*

**4. Launch HushType.** Open it from your Applications folder. You may need to right-click and choose "Open" the first time, then confirm in the dialog that appears.

HushType will appear as a small microphone icon in your menu bar (near the clock). There is no main window — the menu bar icon is the app.



*Menu bar showing HushType icon*

## Setting Up Permissions

HushType needs three macOS permissions to work correctly: Microphone, Accessibility, and App Management. On first launch, HushType displays a **permissions window** that shows the status of each required permission at a glance. Each row shows whether the permission is already enabled or still needs to be granted, and an **Enable** button lets you grant it directly.

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*[ Screenshot: HushType permissions window showing permission status ]*

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The permissions window updates live — as you grant each permission, its status changes to a green checkmark. You can close the window once all permissions are enabled. This section explains each permission in detail in case you need to set them up manually.

Tip: You can always check or change these permissions later in System Settings → Privacy & Security.

## 1. Microphone Access

**What it does:** Allows HushType to hear your voice so it can transcribe your speech.

**How to enable:** Click the **Enable** button next to Microphone in the permissions window. macOS will show a system dialog — click **Allow**.

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*[ Screenshot: macOS microphone permission dialog ]*

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**If you accidentally denied it:** Open **System Settings** → **Privacy & Security** → **Microphone**, find HushType in the list, and toggle it on.

Without microphone access, HushType cannot hear you at all. This permission is essential.

## 2. Accessibility Access

**What it does:** Allows HushType to type the transcribed text into other applications on your behalf. Without this, the app cannot simulate keystrokes or paste text into your active window.

**How to enable:** Click the **Enable** button next to Accessibility in the permissions window. This opens System Settings to the correct page. Unlike the microphone dialog, macOS does not grant this permission automatically — you need to add HushType to the list manually. Here are the steps:

1. Open **System Settings** → **Privacy & Security** → **Accessibility**.
2. Click the "+" button at the bottom of the list.
3. Navigate to your **Applications** folder, select **HushType**, and click **Open**.
4. Make sure the toggle next to HushType is switched on.

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*[ Screenshot: System Settings → Privacy & Security → Accessibility with HushType enabled ]*

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Without Accessibility access, HushType will still transcribe your speech, but it can only copy the result to your clipboard. It won't be able to type the text directly into your applications.

## Re-granting Accessibility after updates

macOS revokes Accessibility permission whenever an app's code changes — which happens after every update. This is a macOS security measure, not a bug in HushType. After an update,

HushType's permissions window will appear showing Accessibility as needing attention. The steps to re-grant it are:

1. **Open System Settings → Privacy & Security → Accessibility.**
2. **Select HushType in the list and click the "-" (minus) button to remove it.**
3. **Click "+" and re-add HushType from your Applications folder.**
4. **Confirm the toggle is on.**

This only takes a few seconds and is a one-time step after each update. HushType detects when this has happened and will remind you.

### 3. App Management

**What it does:** Allows HushType's built-in updater to replace the app with a new version.

**How to enable:** Click the **Enable** button next to App Management in the permissions window. macOS will show a system dialog asking whether you want to allow HushType to manage app updates. Click **Allow** to grant the permission.

*[ Screenshot: macOS App Management permission dialog ]*

**If you accidentally denied it:** Open **System Settings → Privacy & Security**, scroll down to **App Management**, find HushType in the list, and toggle it on.

Without App Management permission, the first automatic update will fail. macOS will prompt you again at that point, so the permission can also be granted then. You only need to grant this once.

### Permissions at a glance

Permission	What happens without it	How to grant
<b>Microphone</b>	App cannot function at all	System dialog on first use
<b>Accessibility</b>	Text copied to clipboard instead of typed	Manually add in System Settings
<b>App Management</b>	First auto-update may fail	System dialog on first launch

## Using HushType

Once permissions are set up, HushType is ready to use. The basic workflow is simple:

1. **Click into any text field** — an email, a document, a chat window, a search bar, anything.
2. **Hold the Fn key** (or whichever trigger key you've configured in Settings).
3. **Speak clearly.**
4. **Release the key.** Your words will be transcribed and typed at the cursor position.

A small floating overlay will appear at the top of your screen while recording, showing audio levels so you know your microphone is picking up your voice.

By default, HushType uses real-time transcription: text begins appearing in your active application while you are still speaking, rather than waiting until you release the key. This means you get immediate feedback as you dictate. When you release the key, a final transcription pass runs over the complete audio and applies any corrections.

## The Menu Bar

Clicking the HushType icon in the menu bar opens a dropdown with the following items:

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*[ Screenshot: HushType menu bar dropdown ]*

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**Hold [key] to Dictate** — shows the current status. While idle it displays the trigger key to hold. During recording it changes to "Recording...", and during transcription it changes to "Transcribing...". You can also click this item to start or stop recording manually without using the trigger key.

**Model: [name]** — shows which Whisper model is currently loaded (for example "small.en"). This is a display-only item; to change the model, use the Settings panel.

**Settings...** — opens the Settings panel where you can configure all of HushType's options (see below).

**Check for Updates...** — manually checks for a new version of HushType. The app also checks automatically in the background.

**About HushType...** — shows the version number, build number, copyright information, and open-source acknowledgements for WhisperKit and OpenAI Whisper.

**Quit HushType** — exits the application.

## Settings

The Settings panel is organised into seven sections. Open it by clicking the HushType menu bar icon and selecting "Settings...".

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*[ Screenshot: HushType Settings panel ]*

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### General

**Start HushType at login** — when enabled, HushType will launch automatically each time you log in to your Mac. This integrates with macOS's built-in Login Items system (visible in System Settings → General → Login Items), so you can also toggle it from there.

### Activation

**Trigger key** — the modifier key you hold to start recording. Choose from Fn (the default), Control, or Option. The trigger key must be pressed alone; holding other modifier keys at the same time is ignored to prevent false triggers from keyboard shortcuts. Shift and Command are deliberately excluded because they conflict with too many system and application shortcuts.

**Real-time transcription** — when enabled (the default), text is transcribed and typed into your active application while you are still speaking. Every two seconds, HushType takes a snapshot of the audio captured so far, transcribes it, and updates the text on screen. When you release the trigger key, a final pass corrects any remaining inaccuracies. When disabled, HushType waits until you release the key before transcribing and typing anything. Real-time mode requires Accessibility permission; if it is not granted, the app falls back to the standard (transcribe-on-release) behaviour.

## Whisper Model

**Current** — displays the name of the Whisper model currently loaded. The default is "small.en", which provides a good balance between speed and accuracy for English.

**Show all models (advanced)** — tick this checkbox to reveal a dropdown listing every available model, from the fastest (tiny) to the most accurate (large-v3). Smaller models transcribe faster and use less memory; larger models produce better results, especially for non-English languages or difficult audio. If the model you select is not already on your Mac, HushType will download it automatically (a progress window will appear).

Available models, in order from fastest to most accurate: tiny, tiny.en, base, base.en, small, small.en, medium, medium.en, large-v3, and large-v3-turbo. Models ending in ".en" are English-only and slightly more accurate for English speech.

## Language

**Language** — choose the language you will be speaking. The default is "Auto-detect", which lets Whisper identify the language from the audio. Setting an explicit language can improve accuracy. HushType supports 30 languages including English, Spanish, French, German, Chinese, Japanese, Korean, Arabic, and many more.

If you select a non-English language while using an English-only model (e.g. small.en), HushType will automatically switch to the equivalent multilingual model (e.g. small).

## Text Injection

This controls how HushType types the transcribed text into your active application. There are two methods:

**Clipboard paste (⌘V)** — the default and recommended method. HushType temporarily copies the text to your clipboard, simulates a Cmd+V paste, and then restores whatever was on your clipboard before. This handles all Unicode characters, punctuation, and special characters perfectly.

**Simulated keystrokes** — types each character individually by simulating keyboard events. This can feel more natural in some applications but is limited to the US keyboard layout and may miss certain symbols. Use this if clipboard paste causes issues in a particular application.

When real-time transcription is active, HushType always uses keystroke-based injection for the incremental updates (regardless of this setting), because it needs character-level control to correct text as it goes. This setting still applies when real-time mode is off.

## Audio Input

**Input device** — choose which microphone HushType uses. The default is "System Default", which uses whichever microphone macOS has selected. If you have multiple microphones (for example a built-in mic and a USB headset), you can select a specific one here.

## Display

**Show recording overlay** — when enabled, a small floating indicator appears at the top of your screen during recording. It shows audio levels in real time and, in real-time mode, a preview of the transcription so far. The overlay never steals focus from your active application. Disable this if you find it distracting.

**Menu bar icon** — choose between the custom HushType icon (the default) or a standard system microphone icon (SF Symbol). The HushType icon is designed to be easily distinguishable from Apple's own microphone icons that may appear in the menu bar.

## Automatic Updates

HushType includes a built-in update mechanism powered by Sparkle. The app periodically checks for new versions in the background, and when one is available, it will prompt you to install it. Updates are downloaded and applied automatically — you just need to confirm when asked. You can also check for updates manually at any time by clicking the menu bar icon and selecting "Check for Updates...".

All updates are cryptographically signed to ensure they are genuine and have not been tampered with. The update files are hosted on GitHub and verified before installation.

**Remember:** after each update, macOS will require you to re-grant Accessibility permission (see the Setting Up Permissions section). HushType will remind you when this is needed.

## Troubleshooting

### Text goes to clipboard instead of being typed

This means Accessibility permission is missing or was revoked after an update. Follow the Accessibility steps above to re-grant it.

### No sound is being captured

Check that Microphone permission is granted in System Settings → Privacy & Security → Microphone. Also check that the correct input device is selected in HushType's Settings panel.

### The app won't open / shows a security warning

Right-click the app in your Applications folder and choose **Open**. macOS may show a warning for apps downloaded outside the App Store. Clicking Open from the right-click menu bypasses Gatekeeper for that specific launch. You only need to do this once.

## Updates are failing

Make sure App Management permission is enabled in System Settings → Privacy & Security → App Management. If the first update fails, macOS should prompt you to allow it — accept that prompt and try again.

## Transcription is inaccurate or repeats phrases

Try switching to a larger Whisper model in Settings (for example, from "small.en" to "medium.en" or "large-v3"). Larger models are significantly more accurate, especially with background noise, accents, or complex vocabulary. If you are speaking a language other than English, make sure the correct language is selected in Settings and that you are using a multilingual model (one without the ".en" suffix).

## Real-time text appears garbled or corrects itself frequently

This is normal behaviour in real-time mode. Each two-second transcription pass only has partial audio to work with, so words may shift or be revised as more context becomes available. The final transcription on key release uses the complete audio and is the most accurate. If you find the corrections distracting, you can disable real-time transcription in Settings → Activation.

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