

[Speech](#) / DictationTranscriber

## Class

# DictationTranscriber

A speech-to-text transcription module that's similar to system dictation features and compatible with older devices.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst 26.0+ | macOS 26.0+ | visionOS 26.0+

```
final class DictationTranscriber
```

## Overview

This transcriber uses the same speech-to-text machine learning models as system dictation features do, or as [SFSpeechRecognizer](#) does when it is configured for on-device operation. This transcriber does not support languages or locales that [SFSpeechRecognizer](#) only supports via network access.

Several transcriber instances can share the same backing engine instances and models, so long as the transcribers are configured similarly in certain respects.

## Improve accuracy

You can bias recognition towards certain words, supply custom vocabulary, or adjust the transcriber's algorithm to improve the transcriber's accuracy.

To bias recognition towards certain words, create an [AnalysisContext](#) object and add those words to its [contextualStrings](#) property. Create a [SpeechAnalyzer](#) instance with that context object or set the analyzer's [context](#) property.

To supply custom vocabulary, create an [SFSpeechLanguageModel](#) object and configure the transcriber with a corresponding [customizedLanguage\(modelConfiguration:\)](#) option.

To adjust the transcriber's algorithm, configure the transcriber with relevant [DictationTranscriber.ContentHint](#) parameter. For example, you may use [farField](#) hint to improve accuracy of distant speech.

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## Topics

### Creating a transcriber

```
convenience init(locale: Locale, preset: DictationTranscriber.Preset)
```

Creates a transcriber according to a preset.

```
convenience init(locale: Locale, contentHints: Set<DictationTranscriber.  
.ContentHint>, transcriptionOptions: Set<DictationTranscriber.  
TranscriptionOption>, reportingOptions: Set<DictationTranscriber.  
ReportingOption>, attributeOptions: Set<DictationTranscriber.Result  
AttributeOption>)
```

Creates a transcriber.

```
struct Preset
```

Predefined transcriber configurations.

### Configuring transcription

```
struct ContentHint
```

Expected characteristics of the spoken audio content and its delivery.

```
enum ReportingOption
```

Options relating to the transcriber's result delivery.

```
enum ResultAttributeOption
```

Options relating to the attributes of the transcription.

```
enum TranscriptionOption
```

Options relating to the text of the transcription.

### Checking locale support

```
static var installedLocales: [Locale]
```

The locales that the transcriber can transcribe into, considering only locales that are installed on the device.

`static var supportedLocales: [Locale]`

The locales that the transcriber can transcribe into, including locales that may not be installed but are downloadable.

`static func supportedLocale(equivalentTo: Locale) async -> Locale?`

A locale from the module's supported locales equivalent to the given locale.

## Getting results

`struct Result`

A phrase or passage of transcribed speech. The phrases are sent in order.

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# Relationships

## Conforms To

`LocaleDependentSpeechModule`

`Sendable`

`SendableMetatype`

`SpeechModule`

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## See Also

## Modules

`class SpeechTranscriber`

A speech-to-text transcription module that's appropriate for normal conversation and general purposes.

`class SpeechDetector`

A module that performs a voice activity detection (VAD) analysis.

`protocol SpeechModule`

Protocol that all analyzer modules conform to.

`protocol LocaleDependentSpeechModule`

A module that requires locale-specific assets.