

[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.

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.ResultAttributeOption>)
```

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.

Relationships

Conforms To

LocaleDependentSpeechModule

Sendable

SendableMetatype

SpeechModule

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.
```