

[Speech](#) / SpeechModule

Protocol

# SpeechModule

Protocol that all analyzer modules conform to.

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

```
protocol SpeechModule : AnyObject, Sendable
```

## Topics

### Checking audio format support

```
var availableCompatibleAudioFormats: [AVAudioFormat]
```

The audio formats that this module is able to analyze, given its configuration.

Required

### Getting results

```
var results: Self.Results
```

An asynchronous sequence containing this module's analysis results. Results are added to the sequence as they are created.

Required

```
associatedtype Result : SpeechModuleResult, Sendable
```

Required

```
associatedtype Results : Sendable, AsyncSequence
```

Required

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# Relationships

## Inherits From

Sendable, SendableMetatype

## Inherited By

LocaleDependentSpeechModule

## Conforming Types

DictationTranscriber, SpeechDetector, SpeechTranscriber

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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` DictationTranscriber

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

`class` SpeechDetector

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

`protocol` LocaleDependentSpeechModule

A module that requires locale-specific assets.