

[AVFoundation](#) / [AVCaptureAudioFileOutput](#)

Class

AVCaptureAudioFileOutput

A capture output that records audio and saves the recorded audio to a file.

macOS 10.7+

```
class AVCaptureAudioFileOutput
```

Overview

AVCaptureAudioFileOutput implements the complete file recording interface declared by [AVCaptureFileOutput](#) for writing media data to audio files. In addition, you can configure options specific to the audio file formats, including writing metadata collections to each file and specifying audio encoding options. AVCaptureAudioFileOutput does not, however, support [startRecording\(to:recordingDelegate:\)](#)—use [startRecording\(to:outputFileType:recordingDelegate:\)](#) instead.

Topics

Discovering supported types

```
class func availableOutputFileTypes() -> [AVFileType]
```

Returns an array containing UTIs identifying the file types AVCaptureAudioFileOutput can write.

Starting a recording

```
func startRecording(to: URL, outputFileType: AVFileType, recordingDelegate: any AVCaptureFileOutputRecordingDelegate)
```

Tells the receiver to start recording to a new file of the specified format, and specifies a delegate that will be notified when recording is finished.

Configuring output

```
var audioSettings: [String : Any]?
```

The settings used to decode or re-encode audio before it is output by the receiver.

```
var metadata: [AVMetadataItem]
```

A collection of metadata to be written to the receiver's output files.

Creating output

```
init()
```

Creates a new audio file output.

Relationships

Inherits From

AVCaptureFileOutput

Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSObjectProtocol

See Also

File capture

Recording movies in alternative formats

Change the default format for capturing movie files.

`class AVCaptureMovieFileOutput`

A capture output that records video and audio to a QuickTime movie file.

`class AVCaptureFileOutput`

The abstract superclass for capture outputs that can record captured data to a file.

`protocol AVCaptureFileOutputDelegate`

Methods for monitoring or controlling the output of a media file capture.

`protocol AVCaptureFileOutputRecordingDelegate`

Methods for responding to events that occur while recording captured media to a file.