

# AudioSettingClass

## Description

A class used to initialize audio stream parameters for the audio codec.

## Syntax

```
class AudioSetting
```

## Members

### Public Constructors

<code>AudioSetting::AudioSetting</code>	Constructs a AudioSetting object.
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# AudioClass

## Description

A class used to configure and initialize the on-board Audio Codec to generate an audio data stream.

## Syntax

```
class Audio
```

## Members

### Public Constructors

<code>Audio::Audio</code>	Constructs an Audio object.
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### Public Methods

<code>AudioClass::configAudio</code>	Configure audio module by setting up audio parameters.
<code>AudioClass::begin</code>	Open audio module.
<code>AudioClass::end</code>	Close the audio module.
<code>AudioClass::printInfo</code>	Print out current configuration of audio channels.

# AudioClass::configAudio

## Description

Initialize audio stream settings for the audio codec.

## Syntax

```
void configAudio(AudioSetting& config);
```

## Parameters

config: AudioSetting object

## Returns

NA

## Example Code

NA

## Notes and Warnings

"Audio.h" must be included to use the class function.

# AudioClass::begin

## Description

Start audio streaming.

## Syntax

```
void begin(void);
```

## Parameters

NA

## Returns

NA

## Example Code

StreamRTSPSingleVideoWithAudio

([https://github.com/ambiot/ambpro2\\_arduino/blob/dev/Arduino\\_package/hardware/libraries/Video/examples/StreamRTSPSingleVideoWithAudio/StreamRTSPSingleVideoWithAudio.ino](https://github.com/ambiot/ambpro2_arduino/blob/dev/Arduino_package/hardware/libraries/Video/examples/StreamRTSPSingleVideoWithAudio/StreamRTSPSingleVideoWithAudio.ino))

## Notes and Warnings

"Audio.h" must be included to use the class function.

# AudioClass::end

## Description

Stop audio streaming.

## Syntax

```
void end(void);
```

## Parameters

NA

## Returns

NA

## Example Code

NA

## Notes and Warnings

"Audio.h" must be included to use the class function.

# AudioClass::printInfo

## Description

Print out current configuration of audio channel.

## Syntax

```
void printInfo(void);
```

## Parameters

NA

## Returns

NA

## Example Code

StreamRTSPSingleVideoWithAudio

([https://github.com/ambiot/ambpro2\\_arduino/blob/dev/Arduino\\_package/hardware/libraries/Video/examples/StreamRTSPSingleVideoWithAudio/StreamRTSPSingleVideoWithAudio.ino](https://github.com/ambiot/ambpro2_arduino/blob/dev/Arduino_package/hardware/libraries/Video/examples/StreamRTSPSingleVideoWithAudio/StreamRTSPSingleVideoWithAudio.ino))

## Notes and Warnings

"Audio.h" must be included to use the class function.