

RTSPClass

Description

A class used to send audio and video data streams over a network using the Real Time Streaming Protocol (RTSP). This allows viewing of a video stream on a computer using media players.

Syntax

```
class RTSP
```

Members

Public Constructors

RTSP::RTSP	Constructs a RTSP object.
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Public Methods

RTSP::configVideo	Configure RTSP module by setting up RTSP video parameters.
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RTSP::configAudio	Configure RTSP module by setting up RTSP audio parameters.
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RTSP::begin	Start RTSP streaming.
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RTSP::end	Stop RTSP streaming.
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RTSP::enableAudio	Enable audio streaming for RTSP.
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RTSP::getPort	Get RTSP port value.
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RTSP:: printInfo	Print out current configuration of RTSP.
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RTSP::configVideo

Description

Configure RTSP module by setting up RTSP video parameters.

Syntax

```
void configVideo(VideoSetting& config);
```

Parameters

config: VideoSetting object

Returns

NA

Example Code

Example: StreamRTSPVideoOnly

(https://github.com/ambiot/ambpro2_arduino/blob/dev/Arduino_package/hardware/libraries/Video/examples/StreamRTSPVideoOnly/StreamRTSPVideoOnly.ino)

Notes and Warnings

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

RTSP::configAudio

Description

Configure RTSP module by setting up RTSP audio parameters.

Syntax

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

Parameters

config: AudioSetting object

Returns

NA

Example Code

NA

Notes and Warnings

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

RTSP::begin

Description

Start RTSP streaming.

Syntax

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

Parameters

NA

Returns

NA

Example Code

Example: StreamRTSPVideoOnly

(https://github.com/ambiot/ambpro2_arduino/blob/dev/Arduino_package/hardware/libraries/Video/examples/StreamRTSPVideoOnly/StreamRTSPVideoOnly.ino)

Notes and Warnings

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

RTSP::end

Description

Stop RTSP streaming.

Syntax

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

Parameters

NA

Returns

NA

Example Code

NA

Notes and Warnings

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

RTSP::enableAudio

Description

Enable audio streaming for RTSP.

Syntax

```
int enableAudio(void);
```

Parameters

NA

Returns

This function returns AUDIO_EN status as a integer. (Valid Value: 0 – Disabled, 1 – Enabled)

Example Code

NA

Notes and Warnings

“RTSP.h” must be included to use the class function.

RTSP::getPort

Description

Get RTSP stream network port.

Syntax

```
int getPort(void);
```

Parameters

NA

Returns

This function returns the port number as an integer.

Example Code

NA

Notes and Warnings

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

RTSP::printInfo

Description

Print out current configuration of RTSP.

Syntax

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

Parameters

NA

Returns

NA

Example Code

Example: StreamRTSPVideoOnly

(https://github.com/ambiot/ambpro2_arduino/blob/dev/Arduino_package/hardware/libraries/Video/examples/StreamRTSPVideoOnly/StreamRTSPVideoOnly.ino)

Notes and Warnings

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