

Arduino Serial Radio Frequency Driver

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Contents

1 Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

SoftwareSerial

SerialRadioFrequency ??

SerialRadioFrequencyAPC220 ??

2 Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

SerialRadioFrequency
Arduino - Serial Radio Frequency Driver ??

SerialRadioFrequencyAPC220
Arduino - Serial Radio Frequency Driver ??

3 File Index

3.1 File List

Here is a list of all files with brief descriptions:

SerialRadioFrequency.cpp ??

SerialRadioFrequency.h ??

SerialRadioFrequencyAPC220.cpp ??

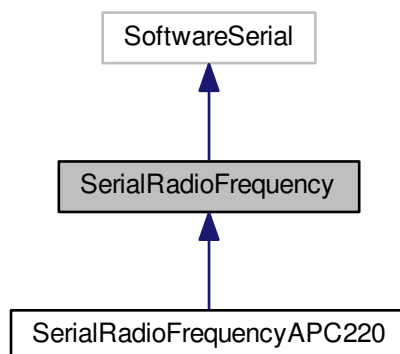
SerialRadioFrequencyAPC220.h ??

4 Class Documentation

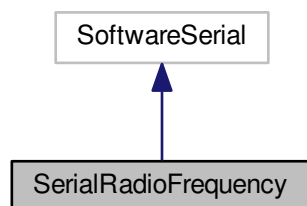
4.1 SerialRadioFrequency Class Reference

```
#include <SerialRadioFrequency.h>
```

Inheritance diagram for SerialRadioFrequency:



Collaboration diagram for SerialRadioFrequency:



Public Member Functions

- [SerialRadioFrequency](#) (unsigned char rxPin, unsigned char txPin)

4.1.1 Detailed Description

Arduino - Serial Radio Frequency Driver.

[SerialRadioFrequency.h](#)

Author

Dalmir da Silva dalmirdasilva@gmail.com

Definition at line 15 of file [SerialRadioFrequency.h](#).

4.1.2 Constructor & Destructor Documentation

4.1.2.1 SerialRadioFrequency::SerialRadioFrequency (unsigned char *rxPin*, unsigned char *txPin*)

Definition at line 14 of file [SerialRadioFrequency.cpp](#).

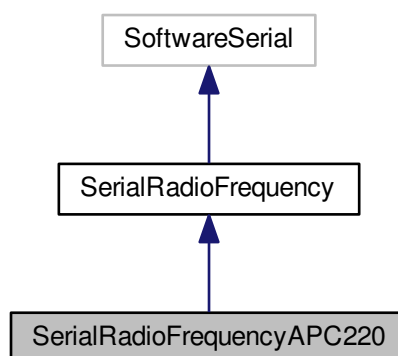
The documentation for this class was generated from the following files:

- [SerialRadioFrequency.h](#)
- [SerialRadioFrequency.cpp](#)

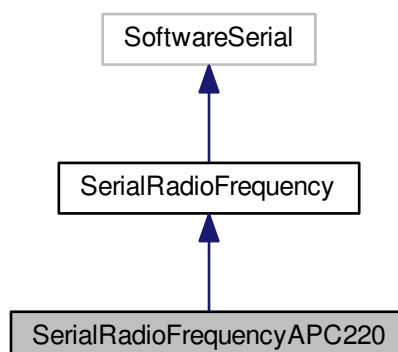
4.2 SerialRadioFrequencyAPC220 Class Reference

```
#include <SerialRadioFrequencyAPC220.h>
```

Inheritance diagram for SerialRadioFrequencyAPC220:



Collaboration diagram for SerialRadioFrequencyAPC220:



Public Member Functions

- [SerialRadioFrequencyAPC220](#) (unsigned char rxPin, unsigned char txPin, unsigned char [enPin](#), unsigned char [setPin](#))
- void [setFrequency](#) (const char *[frequency](#))
- const char * [getFrequency](#) ()
- void [setAirRate](#) (unsigned char [airRate](#))
- unsigned char [getAirRate](#) ()
- void [setPower](#) (unsigned char [power](#))
- unsigned char [getPower](#) ()
- void [setUartRate](#) (unsigned char rate)
- unsigned char [getUartRate](#) ()
- void [setSeriesCheckout](#) (unsigned char checkout)
- unsigned char [getSeriesCheckout](#) ()
- void [readParameters](#) ()
- void [writeParameters](#) ()

Private Attributes

- unsigned char [enPin](#)
- unsigned char [setPin](#)
- unsigned char [frequency](#) [7]
- unsigned char [airRate](#)
- unsigned char [power](#)
- unsigned char [uartRate](#)
- unsigned char [seriesCheckout](#)
- unsigned char [answer](#) [21]

4.2.1 Detailed Description

Arduino - Serial Radio Frequency Driver.

[SerialRadioFrequencyAPC220.h](#)

Author

Dalmir da Silva dalmirdasilva@gmail.com

Definition at line 15 of file [SerialRadioFrequencyAPC220.h](#).

4.2.2 Constructor & Destructor Documentation

- 4.2.2.1 [SerialRadioFrequencyAPC220::SerialRadioFrequencyAPC220](#) (unsigned char *rxPin*, unsigned char *txPin*, unsigned char *enPin*, unsigned char *setPin*)

Definition at line 14 of file [SerialRadioFrequencyAPC220.cpp](#).

4.2.3 Member Function Documentation

- 4.2.3.1 unsigned char [SerialRadioFrequencyAPC220::getAirRate](#) ()

Gets the RF data rate.

1, 2, 3 and 4 refer to 2400, 4800, 9600, 19200bps separately.