

Adafruit Stereo FM Transmitter with RDS/RBDS Breakout - Si4713

PRODUCT ID: 1958

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DESCRIPTION

TECHNICAL DETAILS



DESCRIPTION

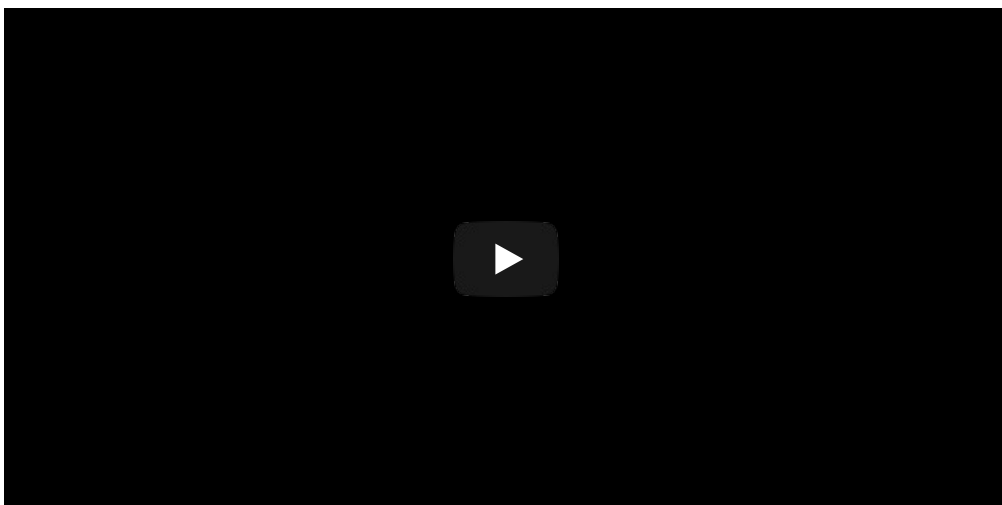
Yaaaar! Become your very own pirate radio station with this FM radio transmitter. This breakout board, based on the best-of-class Si4713, is an all-in-one stereo audio FM transmitter that can also transmit RDS/RBDS data!

Wire up to your favorite microcontroller (we suggest an Arduino) to the I2C data lines to set the transmit frequency and play line-level audio into the stereo headphone jack. Boom! *Now you are the media.* Listen using any FM receiver such as your car or pocket radio receiver - this is an

easy way to transmit audio up to about 10 meters / 30 feet away.

This transmitter even has RDS/RBDS support - that's text/data transmissions that many modern FM receivers support. (It's how some car radios can display the FM station and current song playing). You can transmit just about any text you want, set the station identifier as well as the 'freeform' buffer.

Best of all, you'll be up and running in minutes with our awesome [Arduino library](#), [example code](#) and [tutorial](#)!



TECHNICAL DETAILS

[Datasheets](#), [Fritzing object](#) and [PCB CAD files](#) available in the tutorial

- Dimensions w/ Components: 41mm x 19mm x 7mm / 1.6" x .8" x .3"
- PCB Dimensions: 38mm x 19mm x 2mm / 1.5" x .8" x .1"
- Weight: 3.2g



LEARN



[Adafruit Si4713 FM Radio Transmitter with RDS/RBDS Support](#)

Create your own mini radio station and rock all night



[I2C addresses!](#)

I2C addresses from 0x00 to 0x7F (inclusive)

MAY WE ALSO SUGGEST...



Adafruit "Music Maker" MP3



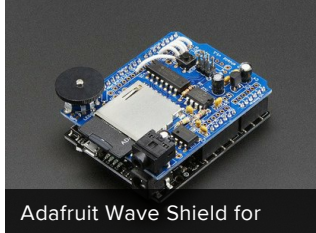
Stereo 20W Class D Audio



Adafruit "Music Maker" MP3



Stereo 3.5mm Plug/Plug



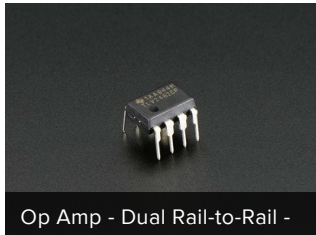
Adafruit Wave Shield for



Stereo 3.7W Class D Audio



Stereo 2.8W Class D Audio



Op Amp - Dual Rail-to-Rail -



Adafruit RFM69HCW



Adafruit RFM69HCW



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"One never notices what has been done; one can only see what remains to be done" - [Marie Curie](#)

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