Arduino communication library between RFM69 transceivers and discontinued Ciseco SRF / XRF / URF modules based on TI CC1110 and TI CC1111 MCUs.

4 commits 1 branch 1 release 1 contributor GPL-3.0

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emmanuelz - added sleep/wake ... Latest commit e3c5b2e yesterday

examples/SimpleTest	Added source code	4 months ago
src	- added sleep/wake	yesterday
LICENSE	Initial commit	4 months ago
README.md	Update README.md	4 months ago
keywords.txt	Added source code	4 months ago
library.properties	Added source code	4 months ago
license.txt	Added source code	4 months ago

README.md

RFM69_SRF Library

release v1.0.0 issues 0 open pull requests 0 open license GPL-3.0

By Emmanuel ZURMELY,
Arduino communication library between RFM69 transceivers and discontinued Ciseco SRF / XRF / URF modules based on TI CC1110 and TI CC1111 MCUs.

License

GPL 3.0, please see the license.txt file for details. Be sure to include the same license with any fork or redistribution of this library.

Features

- receive from and send to Ciseco SRF, XRF or URF devices
- support for configurable settings of Ciseco devices: base frequency (ATCH), channel spacing (ATCS), channel number (ATCS), pan id (ATID), packet size (ATPK)
- default settings: ATCH=5 (868.3 MHz), ATCS=C8 (200 kHz), ATCN=0, ATID=5AA5, ATPK=C (12 bytes)
- ability to read signal strength (RSSI)
- automatically split sent data into packets
- tested with default configuration with XRF and URF nodes

Library Installation (Arduino IDE)

Copy the content of this library in the "Arduino/libraries/RFM69_SRF" folder.
To find your Arduino folder go to File>Preferences in the Arduino IDE.
See this tutorial on Arduino libraries.

Basic sample usage

- The SimpleTest example listens for incoming data and sends text of different sizes when receiving 't' from the serial console.