



Grove - FM Receiver

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Version : 1.0

Wiki: [http://www.seeedstudio.com/wiki/Grove - FM Receiver](http://www.seeedstudio.com/wiki/Grove_-_FM_Receiver)

Bazaar: <http://www.seeedstudio.com/depot/Grove-FM-Receiver-p-1841.html>

Document Revision History

Revision	Date	Author	Description
1.0	Sep 21, 2015	Victor.He	Create file

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Disclaimer

For physical injuries and possessions loss caused by those reasons which are not related to product quality, such as operating without following manual guide, natural disasters or force majeure, we take no responsibility for that.

Under the supervision of Seeed Technology Inc., this manual has been compiled and published which covered the latest product description and specification. The content of this manual is subject to change without notice.

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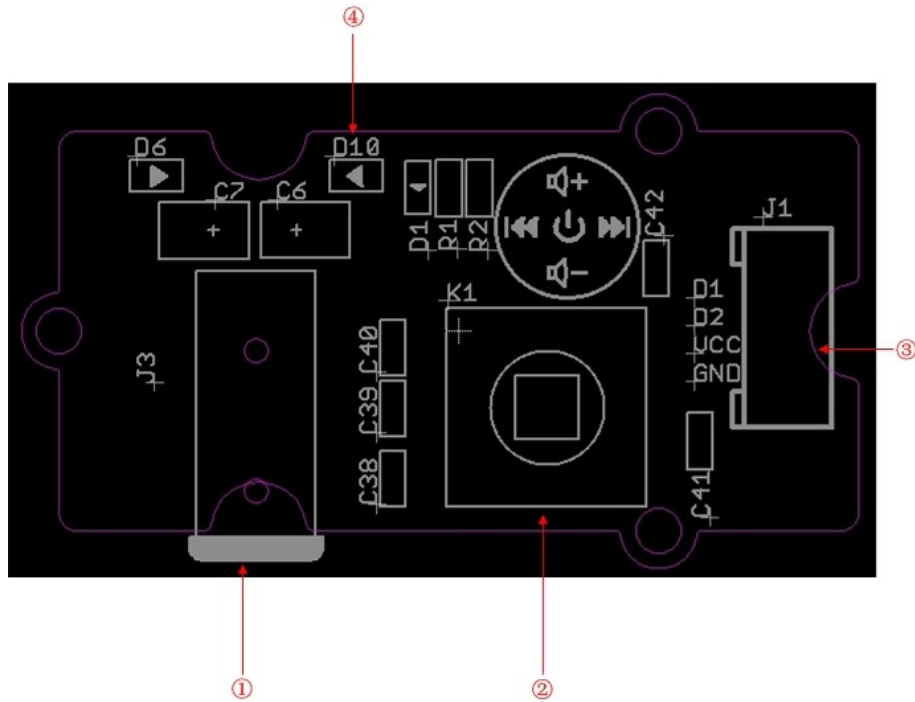
1. Introduction

Grove - FM Receiver is a wideband FM receiver module, this module is based on SX6119, it can offers true single-chip voice FM receiver, which is built-in amplifier, VCO, filter and demodulator. The multifunction button provides greater convenience for users to control.

2. Features

- Grove interface
- FM receiver with a tuning range of 64 MHz to 108 MHz covering Eastern Europe (OIRT), Japan, Europe and US bands
- Lower power consumption
- Multifunction button
- LED Indicator
- Headsets interface

3. Interface functions



① : Headsets interface:It can drive 16 ohm or 32 ohm earphone or audio.

② : Multifunction button : Change volume and select channel

Center : Open FM/Close FM (Keeping press 1S)

Up : volume add

Down : volume sub

Left : searching down

Right : searching up

③ : Grove Interface

④ : LED Indicator

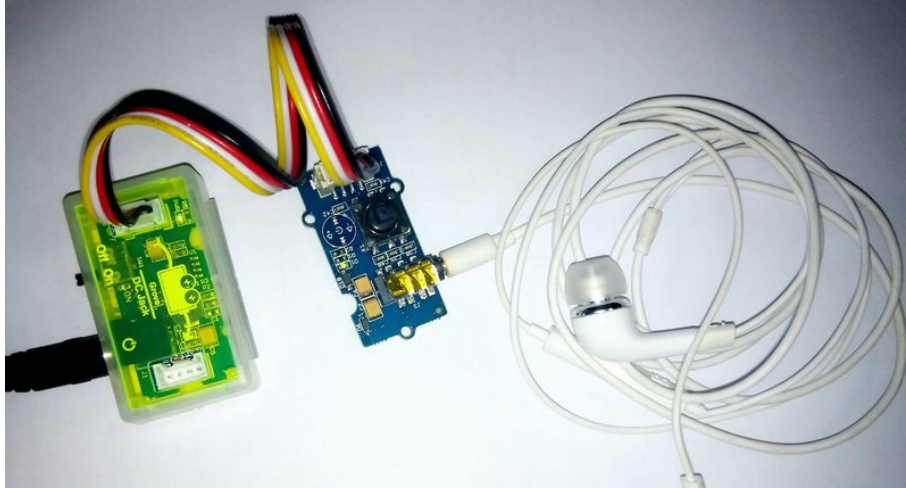
FM Close : LED off

FM Open : LED light

FM Searching : LED flash

4. Usage

1) Part lists : Grove - USB Power, Grove - FM Receiver, Mini Cable, Audio.



5. Resource

[Grove - FM Receiver Eagle File](#)

[Schematic in pdf](#)

[Datasheet of SX6119](#)