sparkfun
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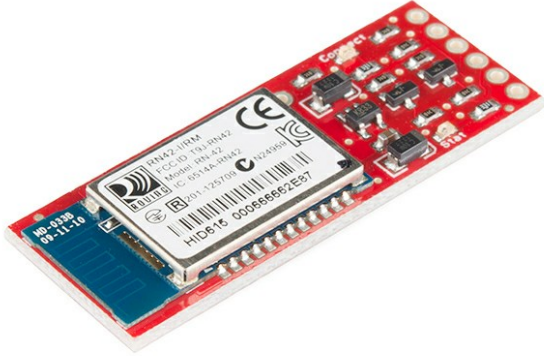☰ PRODUCT MENU   find products, tutorials, etc...   🔍   EDUCATION   AVC   FORUM

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SparkFun Bluetooth Mate Silver

◉ WRL-12576 ROHS ✔ 🗌

★★★★½ 10

DESCRIPTION   **FEATURES**   DOCUMENTS

- v6.15 Firmware
- Designed to work directly with Arduino Pro's and LilyPad main boards
- FCC Approved Class 2 Bluetooth® Radio Modem!
- Low power consumption : 25mA avg
- Hardy frequency hopping scheme - operates in harsh RF environments like WiFi, 802.11g, and Zigbee
- Encrypted connection
- Frequency: 2.402~2.480 GHz
- Operating Voltage: 3.3V-6V
- Serial communications: 2400-115200bps
- Operating Temperature: -40 ~ +70C
- Built-in antenna
- Board: 1.75x0.65"

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3D Download: Sketchup, STL, Blender

Previous Versions ▾

SparkFun Bluetooth Mate Silver Product Help and Resources

TUTORIALS   SKILLS NEEDED

Using the BlueSMiRF
SEPTEMBER 16, 2013

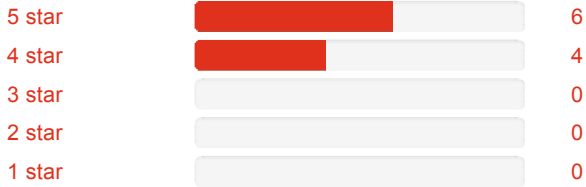How to get started using the BlueSMiRF and Bluetooth Mate Silvers.

COMMENTS 42   **REVIEWS** ★★★★½ 10

Customer Reviews

★ ★ ★ ★ ⯪ **4.6 out of 5**

Based on 10 ratings:

5 star	▬▬▬▬▬	6
4 star	▬▬▬	4
3 star		0
2 star		0
1 star		0

Currently viewing all customer reviews.

★ ★ ★ ★ ★ **Simple, easy to use, and it works.....**

about 3 years ago by **Member #389441** ✓ verified purchaser

It took about 4 minutes to solder in a header, apply power, pair the device with my Galaxy S4, send data, and confirm using oscilloscope. It just simply works….. Could not ask for anything more.

If you wanna mess around with bluetooth, this board is great for it. I like the fact that it runs on 3.3v for those processors that are not 5v tolerant. I didn't dig into the datasheet for this, but it was easy to find. Improvements: Not sure, but tx and rx leds would be a nice addition.

★ ★ ★ ★ ★ **nifty!**

about 3 years ago by **Member #517287** ✓ verified purchaser

Really easy to hook up once you read through the user manual.

★ ★ ★ ★ ★ **SparkFun Bluetooth Mate Silver... Works beautifully!**

about 3 years ago by **Member #645615** ✓ verified purchaser

I have been painfully frustrated trying many Bluettoth modules with my Arduino Uno, but so far this little Mate is the easiest to configure and use… I definitely recommend it… Can't wait to try the Mate Gold!

★ ★ ★ ★ ★ **Works great - but...**

about 2 years ago by **Member #85027** ✓ verified purchaser

My only complaint would be that it would be immensely useful to have the GPIO pins individually terminated to ground with pull-down resistors and provide solder-bridge pads to strap them to a logic high. This would allow using the hardware control modes, which would greatly simplify reconfiguration once installed in a device. It is vitally important to have independent access to GPIO4 in order to be able to perform a factory reset of the device.

Otherwise, this device is nothing but GREAT!

★ ★ ★ ★ ★ **Simple and easy to setup**

about 2 years ago by **Member #708195** ✓ verified purchaser

Connects to the microcontroller with AT commands pretty easily. Bluetooth connection is stable. Cheap way to get bluetooth on your controller.

★ ★ ★ ★ ☆ **Versitile device**

about 2 years ago by **Member #50032** ✓ verified purchaser

When combined with a RS-232 to TTL/Cmos Converter it is even more useful for building interfacing between Serial ports with differing Logic levels. So I am happy to have one of these available in the tool box. Combining these two functions on one breakout board and adding a small modular case and DB9 connector would be great.

★ ★ ★ ★ ☆ **FUnctions as advertised**

about 2 years ago by **brianb000** ✓ verified purchaser

I use this with a Samsung phone to control/steer an autopilot on a sailing vessel. An ASCII command sentence and the boat takes the appropriate action. Range is at least

30 ft. Data seems not to be corrupted in our testing to date.

★★★★★

about 2 years ago by Member #823661 ✔ verified purchaser

It works perfectly with my Arduino board.

★★★★☆ It Works

about a year ago by meier ✔ verified purchaser

Easy to set up and use in conjunction with the Arduino Pro. Super easy to program.

In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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