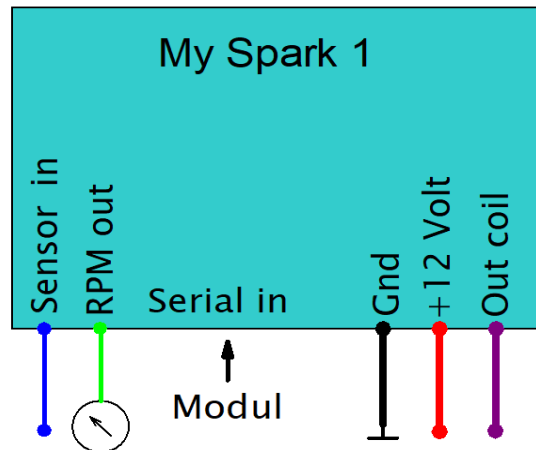


My Spark 1 connection instructions

Instruction manuals are always a pain... But we promise this one will only take 2 minutes of your time :-)



Color	Description
Blue	Input crankshaft sensor. If there are 2 cables on the sensor, then 1 cable from the sensor is connected to ground.
Green	Output for tachometer
6 Pol con. serial In	A Bluetooth module HC-05 or our "My Spark RC" remote control can be connected here.
Red	+ 12 Supply voltage
Violet	Output coil
Black	Ground

Application:

If you have an **Android smartphone**, download the app here and install it on your smartphone. Sorry, Apple smartphones are not supported here because I don't know how to use iOS...

My Spark 1



Get an HC-05 **Bluetooth module** (available on eBay etc. for around €5), plug it into the ignition module with the components facing upwards, as shown:



Connect My Spark 1 with the HC-05 module plugged in to a 12-volt power supply, wait a few seconds, then let your phone search for the HC-05 and connect your phone to the HC-05. The password for the modules is usually 1234 or 0000.

Open the app and press "Connect." A list of found Bluetooth devices will then appear. The HC-05 should also be listed there. Tap on the HC-05 and wait a few seconds until your cell phone says "Connected." Now you can make your desired settings.

When you press "Send," the settings are saved in the ignition module and a blue LED in the module flashes three times to confirm. Now the HC-05 can be removed again.

If you find the whole cell phone thing too complicated, we can send you a remote control for a deposit. You can then plug it directly into the ignition module as shown in the following picture and use it to program the ignition.

Important:

The minimum resistance of the ignition coil is 3 ohms. Low-resistance ignition coils should not be used in order to avoid damaging the module.

With a 3-ohm ignition coil and a charging time of 3 ms, the maximum speed should not exceed 6000 RPM, otherwise the ignition module will become too hot and the housing will melt. However, short-term acceleration (up to approx. 20 seconds) at higher speeds is not a problem. With a coil with higher primary resistance or shorter charging times, the maximum speed can be increased accordingly.

The set advance angle of My Spark 1 is only applied after 5 revolutions following the start-up process. During the first 5 revolutions, the ignition timing is set to 0 degrees TDC to prevent kickback in a kick starter.

We hope you enjoy using My Spark 1 and wish you a safe journey!