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Rasbperry Pi 3 with GSM module

Modem

It's a generic chinese modem with SIM800C GSM chip, has microphone and audio input.

Connection

Serial port

The modem uses a serial port to communicates with you, by default the serial port is redirected to a terminal port, to change it you need to follow this steps in Raspbian 8.0.

Launch raspi-config:

```
$ sudo raspi-config
```

Select 9. Advanced Options, next A7 Serial, choose no to question “Would you like a login shell to be accessible over serial?”. Select Finish button.

We need also to enable UART, follow this steps, edit /boot/config.txt and add or change the next lines:

```
enable_uart=1
dtoverlay=pi3-miniuart-bt
```

You can follow the same steps with RPi and RPi2 but omitting the “dtoverlay=pi3-miniuart-bt” line.

Restart.

minicom and serial port

Now you can start to test your modem:

```
sudo minicom -b 115200 -o -D /dev/ttyAMA0
```

References

- https://www.cube-controls.com/2015/11/02/disable-serial-port-terminal-output-on-raspbian/
- https://kb.op5.com/display/FAQ/HowTo+test+SMS-Modem+using+minicom