**Adding bluetooth serial port profile:**

sudo nano /etc/systemd/system/dbus-org.bluez.service

Add the compatibility flag, ' -C', at the end of the 'ExecStart=' line. Add a new line after that to add the SP profile. The two lines should look like this:

ExecStart=/usr/lib/bluetooth/bluetoothd -C

ExecStartPost=/usr/bin/sdptool add SP

Save the file and reboot. Pair and trust your Pi and phone with bluetoothctl.

**Initializing bluetooth connection on raspberry pi 3:**

0. Check bluetooth status with "systemctl status bluetooth"

1. "sudo bluetoothctl"

2. "agent on"

3. "default-agent"

4. "scan on”

5. "pair [device Bluetooth address] (for example pair XX:XX:XX:XX:XX:XX)"

**Binding RFCOMM channel:**

1. sudo rfcomm bind hci0 XX:XX:XX:XX:XX:XX 1 will bind the bluetooth device to the RPi bluetooth module

2. sudo rfcomm release 0 will release the bluetooth module from rfcomm0