# RPI GSM ADAPTER User Guide

RPI GSM Adapter Introduction

RPI GSM ADAPTER is a GSM adapter connecting by cable and Raspberry Pi 2 mainboard，not only can it directly connect to EFCOM PRO, GSM/GPRS module. On the adapter, comes a DC-DC power supply, and through the switch, EFCOM RPO could power supply from Raspberry Pi Mainboard or external power. In order to achieve EFCOM PRO normal use, external power supply is recommended. Another feature of this Adapter is that it expands all Raspberry Pi pin, so that we can control other devices by IO interface when use EFcom Module.
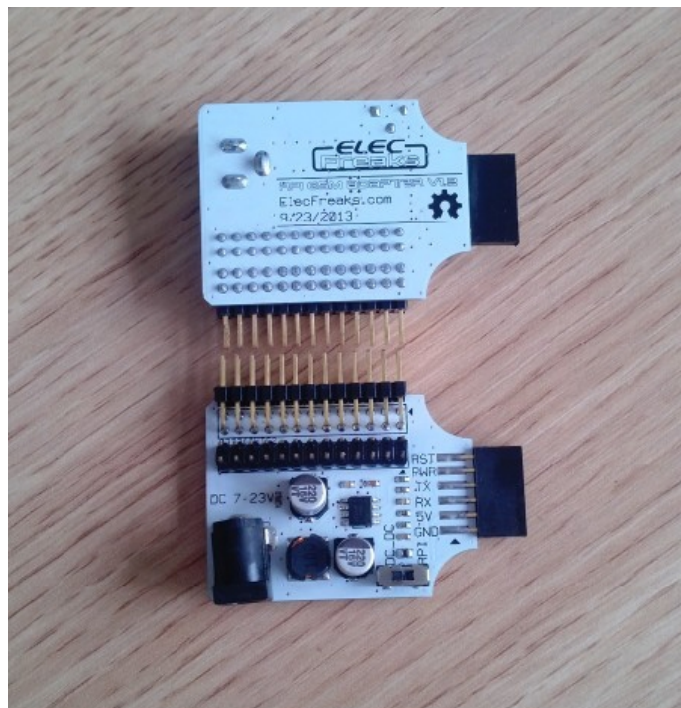

Hardware and Software Preparation
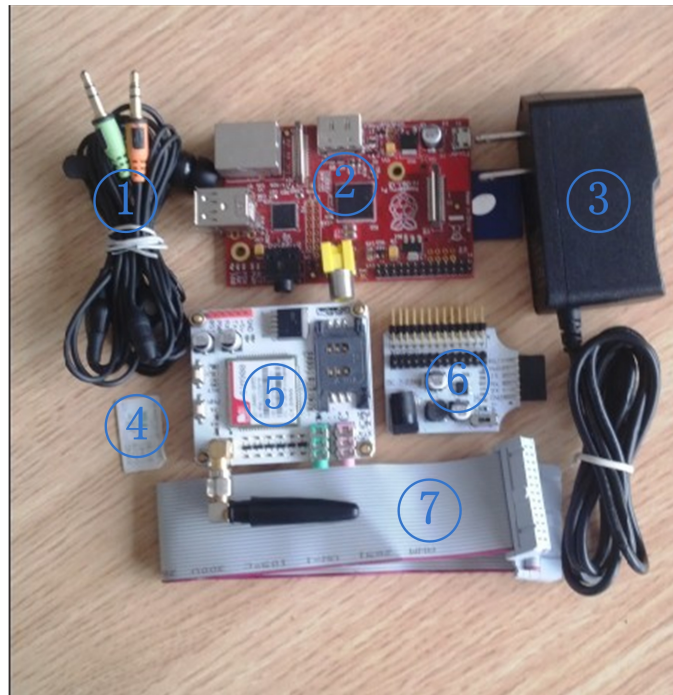
Hardware：

1、Headphone

2、Raspberry Pi 2 mainboard

3、Power Adapter

4、SIM Card

5、EFCOM PRO Module

6、RPI GSM ADAPTER Module

7、26pin Cable

Software：

1、 RPGSM Source Code

2、 FileZilla FTP File Transfer Software

Part 1 Transfer RPGSM Code to Raspberry Pi File system

1. Download and install FileZilla File Transfer Software

2. Transfer PRGSM Code to Raspberry Pi by FileZilla, and pay attention to placing the Raspberry Pi and PC in the same LAN.
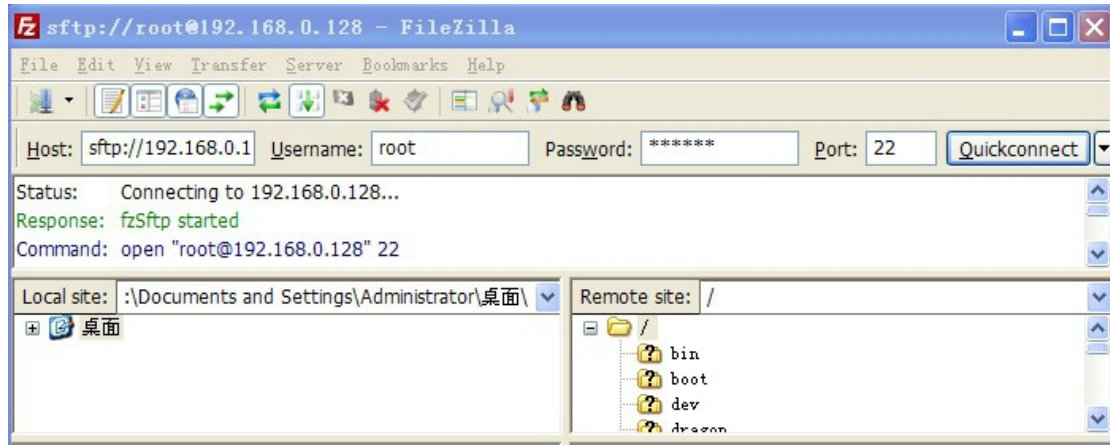
Note：

    1、HOST refers to the Raspberry Pi IP address

    2、Username refers to the Raspberry Pi Administrator Account Name

    3、Password refers to the Raspberry Pi Administrator Account Password

    4、Port defaults 22

    5、Local site refers to selecting PRGSM storage path.

    6、Remote site refers to the storage path in the Raspberry Pi File System.

Part 2 Use EFCOM PRO Module through Raspberry Pi

Step 1. Connection Diagram

Step 2. Operation Steps

1. Connect the separate modules according to the above connection diagram, and insert the SIM Card into the EFCOM PRO.

2. Power supply to start the Raspberry Pi2，and then press the EFCOM RPO PWR for 1s to start the module.

3. Enter **RPGSM** directory through Raspberry Pi Terminal, and type make Demand, then this file would emerge the **GSMDemo** executable file. Type **./GSMDemo**, you would run this executable file.

4. Dial EFCOM PRO SIM Card number by the mobile, and if succeed, Raspberry Pi would control EFCOM PRO to automatically answer your call.