INSTRUCTION MANUAL

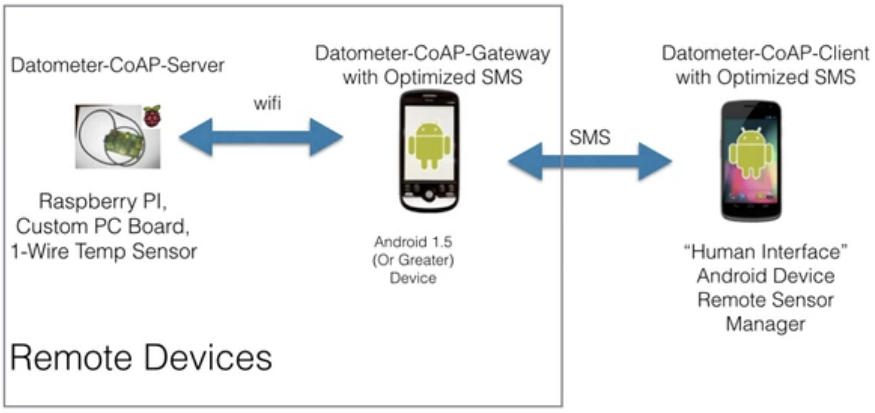
Info Where You Go – Internet of Things

Without the Internet

Version 1.1.1
July 2015

This manual includes…

Step 1: This system is comprised of three components.



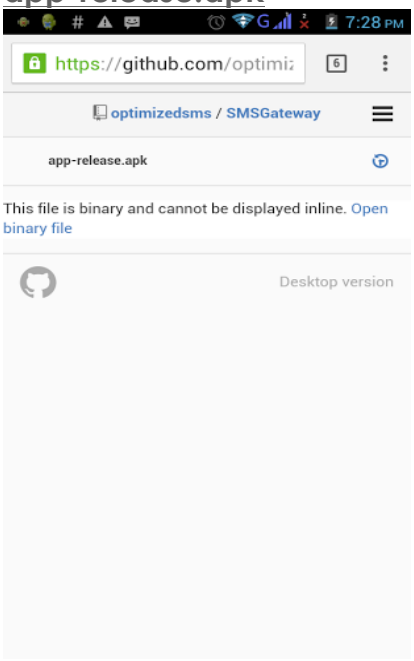
1. Andorid Gateway Device (remote). This is the device that will remain with the Raspberry PI and is used as part of temperature sensing. It is the gateway between the "human interface" android and the Raspbery PI monitoring temperatures. Follow instructions below to install software on this device.

2. Raspberry PI (remote). This has the temperature probe connected and communiates through the ouside world via the android gateway. Software is preinstalled on the Raspberry PI.

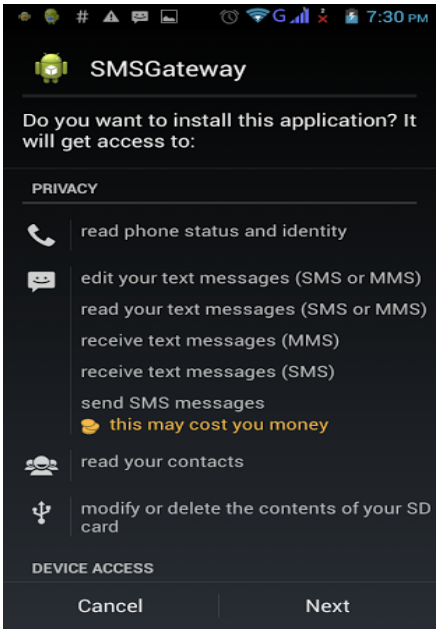
3. SMS Device Monitor (portable). This is the device you carry! It communicates with Raspberry PI via the Gateway Device. Follow instructions below to install software on this device.

Step 2: Load SMS-Gateway Software on the remote Android device.

1. Using the browser on the Android device, navigate to: **https://github.com/optimizedsms/SMSGateway/blob/master/app-release.apk**



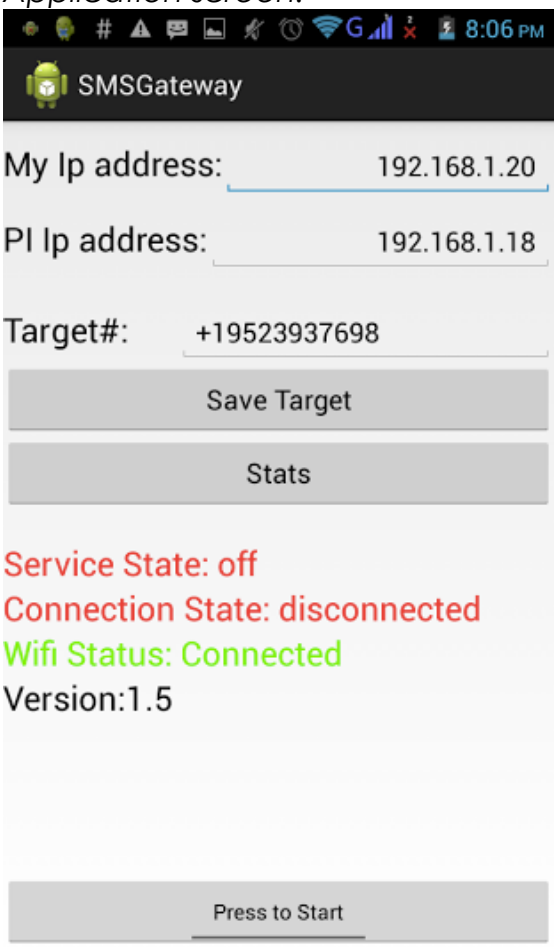
2. Click "Open Binary File" (You may have to enable 'unknown sources' for the install). You will see a screen like this.



Step 3: After Install

1. After install, start the application.

Application screen:



2. Press Start, device will start scanning for connected Raspberry PI. Set this up now! (See next page)

Step 4: Setting up the Raspberry PI

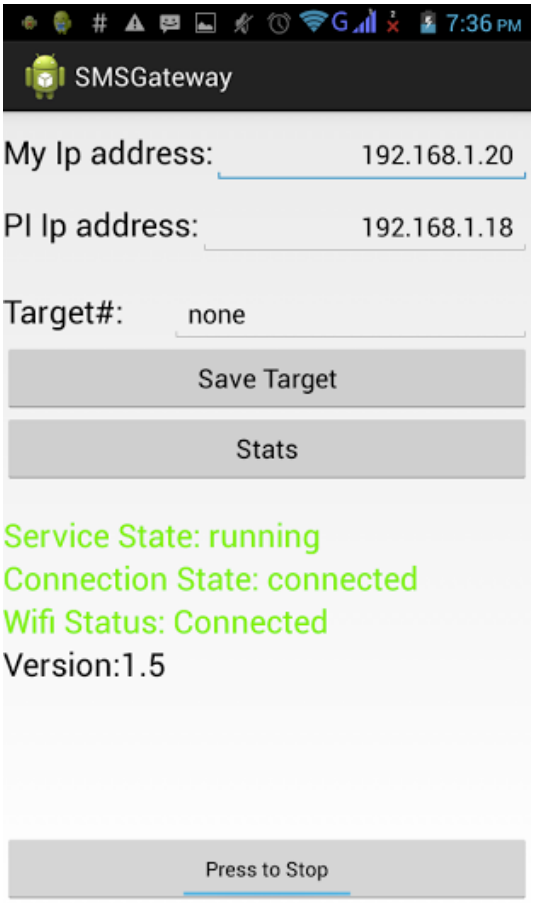
1. Using an Ethernet cable, connect the Raspberry PI to a wireless router.

OR

2. Using the 3 inch, mini USB connector and

a) Connect the large end of the USB connect to a usb port on the front of the Raspberry PI.
b) Connect the small end to the charging port of the Android device.

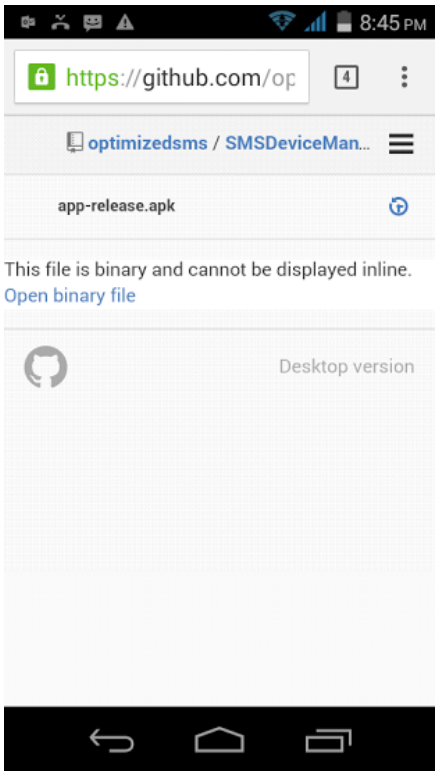
3. Power on the Raspberry pi. After a few minutes the SMS Gateway android will connect with the Raspberry PI and be ready to monitor temperatures.

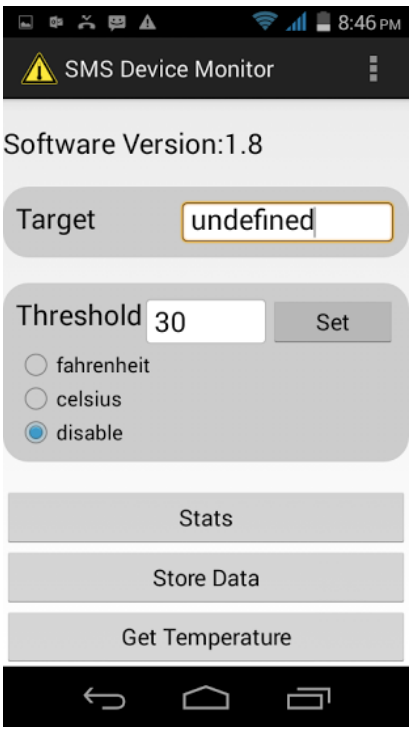


Step 5: Installing the SMS Device Manager

1. Using the portable Android device. (i.e., the device you intend to carry with you to monitor temperatures) navigate to **https://github.com/optimizedsms/SMSDeviceManager/blob/master/app-release.apk**

2. Once again, click "Open Binary File" Install as before. After install, start the application.





3. Enter a phone number in "Target" and press "Get Temperature".

4. The resulting Temperature will be show as below: