

Instructions Sheet for opening webpage to display WeMoSat data on a mobile / laptop:

- Create a Wi-Fi network or hotspot with following details:
 - SSID: wemosat
 - Password: wemosat123
 - This may be done by starting hotspot on mobile and renaming hotspot – Fig 1
- Install the App “Network Analyser” on your mobile phone.
 - <https://play.google.com/store/apps/details?id=net.techet.netanalyzerlite.an&hl=en> IN&gl=US
- Turn ON the power switch on the WeMoSat
 - When you do this an LED on the microcontroller (this is the biggest component on the WeMoSat) should blink and DHT11 LED will be glow. That indicates power is proper.
- Open the Network Analyzer App on mobile where you created the WeMoSat hotspot
 - Click the LAN Scan tab and Check for Expressif Inc in the list displayed – Fig 2
 - Check and note or copy IP Address of the Expressif Inc
 - Note: Sometimes the Expressif may not be displayed so you have to select an IP from the list using your own sense. There will be a W, P below the IP address of WeMoSat to indicate that the address is both ping ready and has a webpage attached to it. IP address will be like 192.168.xx.xxx
 - For laptop / desktop, open command prompt and type > arp -a to get the IP address
- Paste the IP address in any browser in the mobile phone– Fig 3
- To check results on laptop, connect the Wi-Fi of the laptop to ssid: wemosat with password: wemosat123 and type the above IP address in browser.
 - Any device on which you want to open the IP address must be connected to the same network to which WeMoSat is connected i.e ssid: wemosat and password wemosat123
 - You can connect another mobile or laptop or desktop.
 - Students if they have mobile with them can all likewise connect to same network and open the IP address in the browser
- The browser will update every 5s with the temperature, pressure, humidity and altitude data
- To change some data, you can blow air from your mouth on to the blue sensor which will increase the humidity and increase the temperature if it is cold.
 - You can also blow on to the other brown sensor to increase temperature
 - Lift the entire WeMoSat up to change altitude.
 - You can use any convenient method to raise height of the WeMoSat
 - Get a student to go to higher floor or tie a thread and pull up the WeMoSat etc
- Switch OFF the WeMoSat when the demo is over.

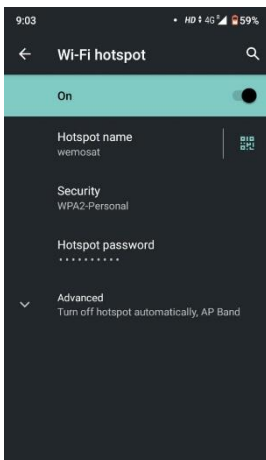


Fig 1: Hotspot



Fig 2: Net Analyzer

