# Libelium Smart Agriculture IoT Vertical Kit

Quick Start Guide







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# 1. Identify the products



# 2. Open the box



# 3. Identify Meshlium device and antennas





### 4. Antennas set up

#### Antennas \*

- a) Dipole 5 dBi (Bluetooth, WiFi, XBee-PRO 802.15.4).
- b) 4G / GPS (3 antennas for EU, US or BR models; 2 antennas for AU models).
- c) Dipole 4.5 dBi (XBee 868LP, XBee-PRO 900HP).
- (\*) Number and type of antennas depend on the model purchased.

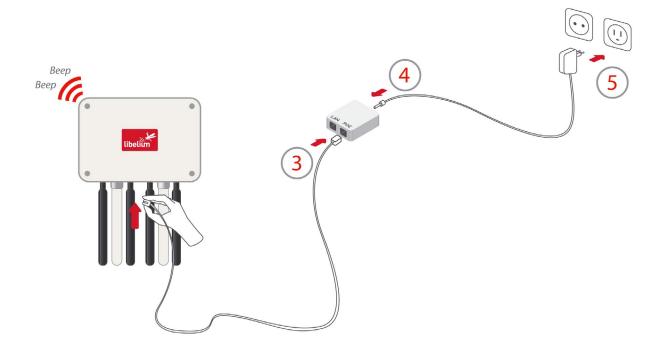






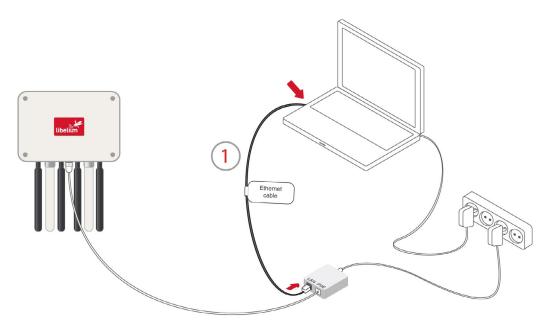


### 5. Power set up





#### 6. Internet set up

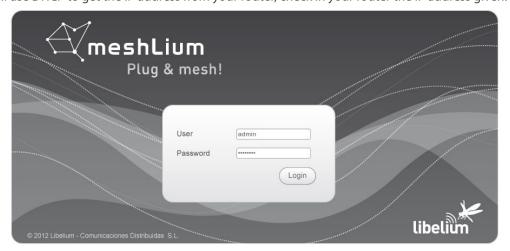


#### Wifi Access:

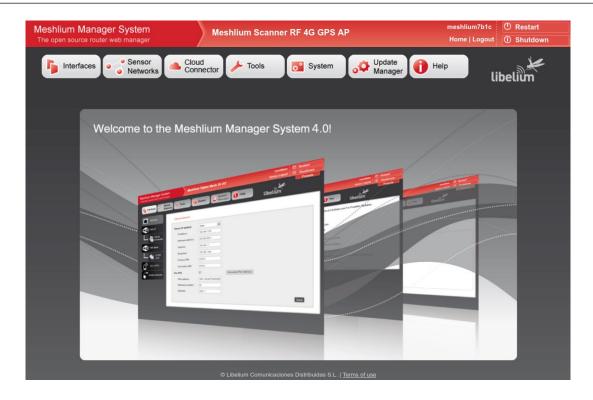
- Connect to Meshlium Wifi AP
  - Meshlium XXXX,
  - no password needed
- Access Meshlium IP 10.10.10.1/MeshliumManager using a Web Browser (IE, Chrome, Firefox)
  - User: admin
  - Password: libelium

#### **Ethernet Access:**

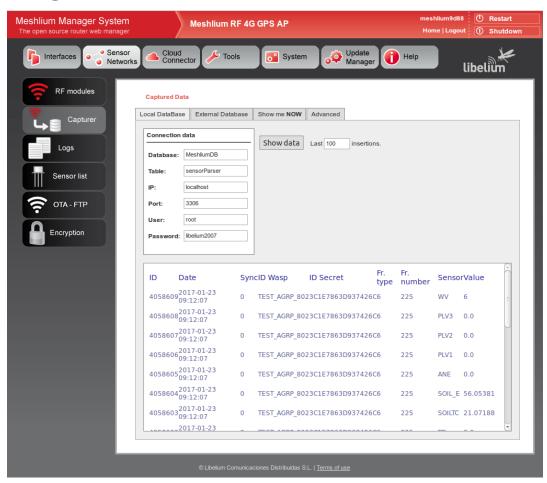
- Access Meshlium assigned IP/MeshliumManager using a Web Browser (IE, Chrome, Firefox)
  - User: admin
  - Password: libelium
- Meshlium will use DHCP to get the IP address from your router, check in your router the IP address given.





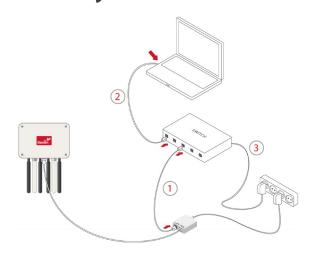


### 7. Checking data received at Meshlium



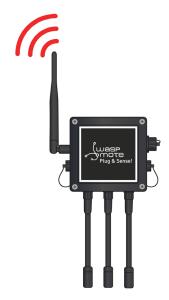


# 8. Now you can receive data





# 9. Get Ready to send Data



# 10. Open the box





# 11. Recharge Plug & Sense!



# 12. Antennas set up





# 13. Identify Plug & Sense! family















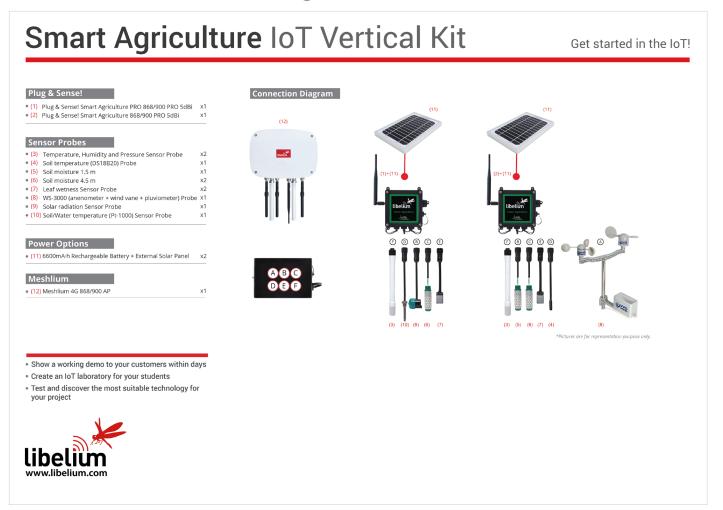


**Smart Parking** 





# 14. Check conecction diagram



# 15. Sensors setup





#### **16. Connect sensors**



### 17. Connect Solar Panel







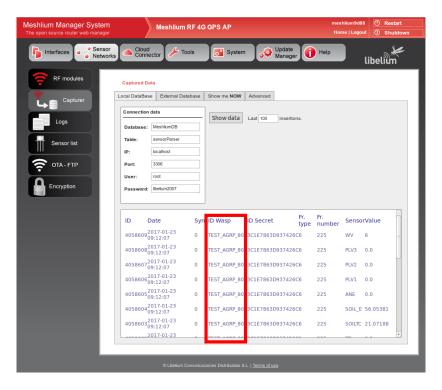
# 18. Turn ON Plug & Sense!





#### 19. Checking if data is received

- Access to Meshlium as explained before in page 5-6.
- To check that your Plug & Sense! is sending data, see the ID\_Wasp. The ID\_Wasp of each Plug & Sense! can be found in the details sticker.



# 20. Visualizing data

- Click Sensor Networks
- Click visualizer, select the variables and click show data button

