

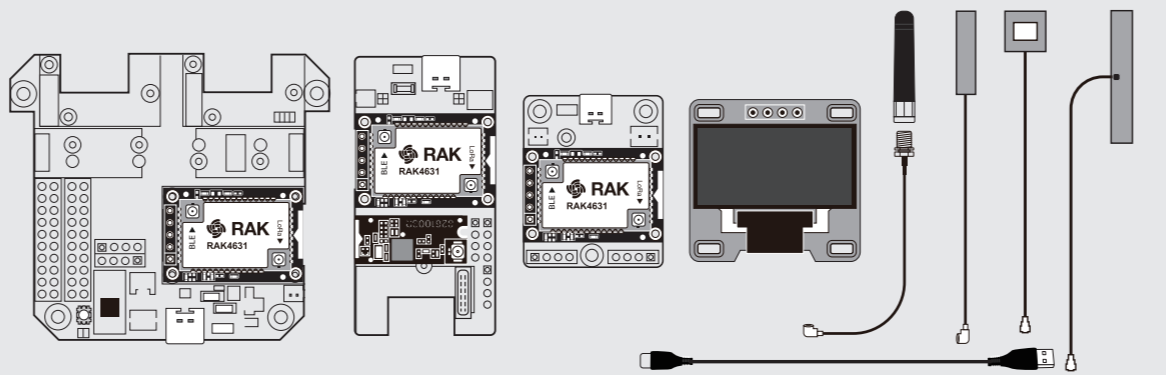
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The WisMesh RAK4631 Starter Kit is our most popular kit, perfect for DIY enthusiasts looking to build custom off-grid solutions. It includes the WisBlock nRF52840 core module, a variety of sensor modules, durable enclosures, and a high-gain 2 dBi rubber antenna. With modular flexibility, this kit lets you easily create and customize nodes, repeaters, trackers, or weather stations to suit your project needs.

For this device use Meshtastic
firmware-rak4631-w.x.yy.zzzzzzz.uf2

Package Contents

- WisBlock Base x 1 (RAK19001 or RAK19003 or 19007)
- RAK4631 WisBlock Core x 1
- SMA Rubber LoRa Antenna x 1
- IPEX to SMA cable for LoRa antenna x 1
- BLE Antenna x 1
- PCB Antenna for LoRa x 1
- USB Cable x 1
- RAK12500 GNSS Module x 1 (Optional)
- GPS Antenna x 1 (Optional)
- RAK1921 OLED Display Module x 1 (Optional)



Need More Information?

For detailed product specifications, configuration guides, and technical support, scan the QR code on the right to access our online document center. Stay up to date with the latest resources and troubleshooting tips to get the most out of your device.



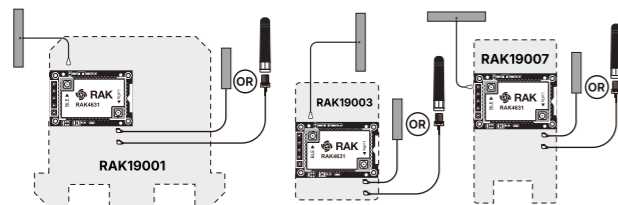
Scan for WisMesh RAK4631 Starter Kit Documentation

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Getting Started

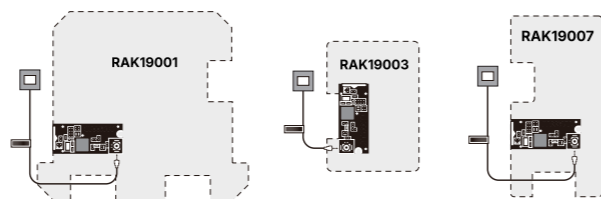
Step 1

Attach the LoRa antenna to the RAK4631 (LoRa ►) and the BLE antenna to (BLE ►). For external LoRa, use the IPEX-to-SMA cable and secure the SMA rubber antenna



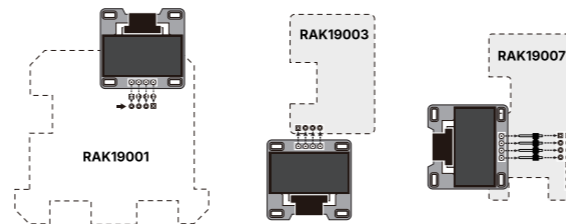
Step 2

Snap the GPS Antenna onto the RAK12500 GNSS module.



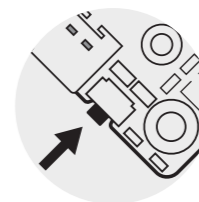
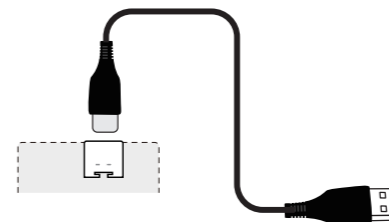
Step 3 (If needed)

Solder the RAK1921 OLED Display Module onto the baseboard using a Pin Header. Trim if necessary.



Step 4

Connect the PCB to your computer using a USB cable for configuration.



Double-press the button on the base board to enter DFU mode.



Welcome to WisMesh

This guide helps you set up your Meshtastic device in minutes.

Thanks for choosing WisMesh
— A RAKwireless Product