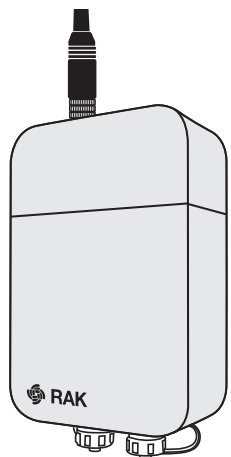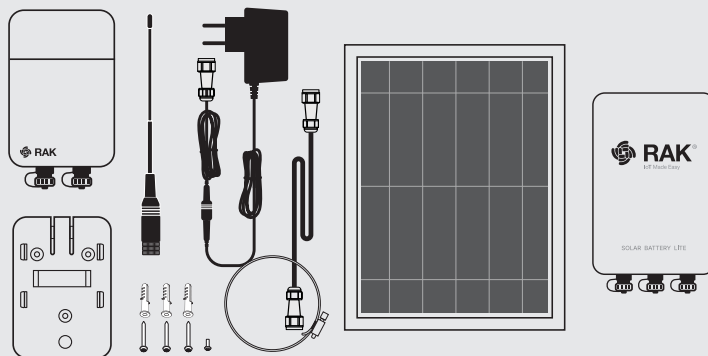420mm

60mm

The WisMesh Repeater is the ready-to-use Meshtastic Solar repeater to enlarge the range of the Meshtastic LoRa Mesh network. The combination with our universal Solar Battery Lite allows the deployment in areas with no permanent power supply available.

For this device use Meshtastic
firmware-rak2560-w.x.yy.zzzzzzzz.uf2

Package Contents

WisMesh Repeater × 1
LoRa Antenna × 1
Power Adapter & Power Cord × 1
Mounting Clamp × 1
Mounting Bracket × 1
Screw Set × 1

For Meshtastic Repeater with Solar Battery Lite, the package also includes:
Solar Battery Lite (RAK9154) × 1
Solar Panel × 1

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.
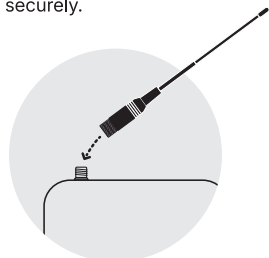
Scan for WisMesh Repeater Documentation
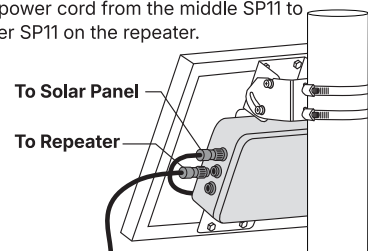
Getting Started

Step 1

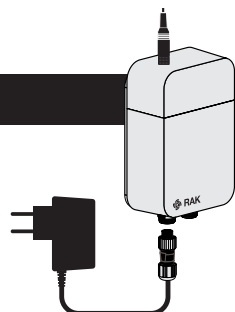Remove the rubber cap and screw on the LoRa antenna securely.

Step 2

2a Solar Battery Powered

Connect the solar panel to the left SP11 on the Solar Battery Lite. Then, connect the power cord from the middle SP11 to either SP11 on the repeater.
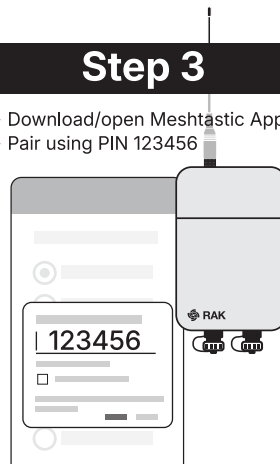
To Solar Panel

To Repeater

2b DC Powered

Insert the keyed power plug into either SP11 connector, and tighten. Plug the adapter into the AC socket.

⚠ Do NOT connect the DC adapter to power while the 18505 batteries are installed inside the device. This may cause damage to the device or batteries. Always choose one power source at a time.
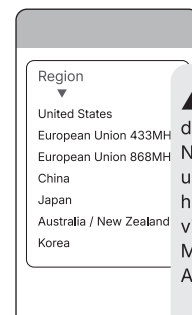
Step 3
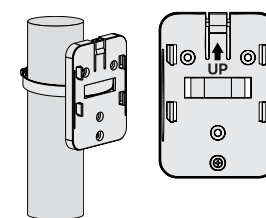
→ Download/open Meshtastic App
→ Pair using PIN 123456

123456

Step 4

Select your region

Region
▼
United States
European Union 433MH
European Union 868MH
China
Japan
Australia / New Zealand
Korea

⚠ The device will NOT function until the region has been set via the Meshtastic App.
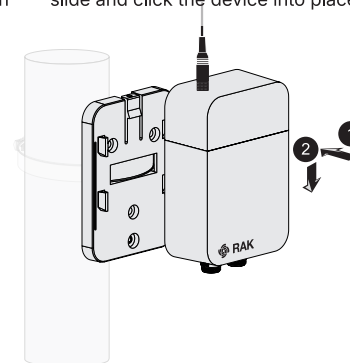
Step 5

Mount the bracket on the wall with screws or use the clamp to attach it to the pole. Ensure the "UP" direction is correct.

UP

Step 6

Align the tab with the slot, then slide and click the device into place.

Welcome to WisMesh

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

Thanks for choosing WisMesh
— A RAKwireless Product

RAK
IoT Made Easy