# **RAK Setup on Loriot**

This guide outlines the steps required to configure a RAK router for use with the Loriot network.

## Prerequisites

- RAK Router
- LAN cable connected to main router or switch
- A pen
- Dot stickers
- Access to the location sheet (or someone with access)
- Access to the Loriot portal (or someone with access)

## 1. Unboxing and Connecting

- 1. Unbox the router and connect the included LoRa antenna.
- 2. Connect the RAK to **power** and to **LAN** using the cable.
- 3. Wait for the RAK to power up. The LED indicator should be **solid blue or green**.

## 2. Wi-Fi Connection

- 1. On your PC, go to available networks and find the RAK router Wi-Fi.
- 2. Connect to the router.



#### 3. Access the RAK Console

- 1. In a web browser, go to: https://192.168.230.1/
- 2. If prompted with a security warning:
  - 1. Click Advanced



#### 1. Click Proceed

← → Ø @ Hotawaw Helps//192.168.230.1	
	<b>A</b>
	Your connection is not private
	Attackers might be trying to steal your information from <b>192.168.230.1</b> (for example, passwords, messages, or credit cards). Learn more about this warring
	Hide advanced
	This server could not prove that it is <b>192.168.230.1</b> ; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker interpreting your connection.
	Proceed to: 192.168.233.1 Jursaler

- 1. Enter a password:
  - 1. Use LastPass password generator to generate a strong password.
  - 2. Enter and **record this password** in the **location sheet**.

#### 4. Region and Work Mode Configuration

- 1. Once logged into the RAK console:
  - 1. Set the region: Select South Africa and the default frequency.
  - 2. Under the **Configuration** tab  $\rightarrow$  **Work Mode** section:
    - 1. Select Packet Forwarder.

	C C & max 90 HM28 (Instrumentation	0	4 <b>6</b> 0 =
	RAK7268CV2 Developmentation Applications Contractors		
• 	Node mode		
	Log Level Nation +		
	Frequency Ran Convy Book Misa https://www.internet.com/y/ Comparison toolty/		
	These databal regional processings of the Temperory plan.		

#### **5. Protocol Configuration**

- 1. Under the **Configuration** tab  $\rightarrow$  **Protocol** section:
  - 1. Set Server Address to: `eu4pro.loriot.io`
  - 2. Set Server Port Up to: `1780`
  - 3. Set Server Port Down to: `1780`
- 2. Click Save Changes

+ + 0	O & HEALTHEAM AND TRANSPORTED AND A CONTRACT OF A CONTRACT	0 <b>5 6 6</b>
	Protocol	Consus from the available pointersit.
= - 		Numori Senses (pr Order Holep) Units Setting HUTT dropp Reads Instead () 20
•	UEP Protocol parameters	Borne and the section       Borne parting       Borne
٠	(PS Internation	Theorem 1400

#### 6. Gateway Details

1. Navigate to the **Dashboard Overview** tab:

Wis Gate				
H				
÷				
^∕-				
\$				
*				

1. Copy the **EUI** and paste it into the **location sheet** 

2. Copy the MAC Address and paste it into the location sheet

#### 7. Register Gateway on Loriot

- 1. Register the RAK gateway on the Loriot portal using the gathered details.
- 2. Confirm that the gateway is **communicating successfully**.

#### 8. Secure Wi-Fi Access

- 1. Navigate to Network on the left-hand navigation bar.
- 2. Under the LAN tab, open the Wi-Fi dropdown.
- 3. Click Settings and:
  - 1. Change Encryption to `WPA2-PSK`
  - 2. Set the Key using the same password generated by LastPass
- 4. Save the changes.

	0 & races and races	
		letwork
-		
		In CP Sarvar .
•		• literat
		* ¥4
		Table

#### 9. Final Verification

- 1. The router will **restart**.
- 2. Once restarted, verify that the **network requires the password**.
- 3. Take a screenshot of the Wi-Fi access showing it is locked (for reference).

	0.4 million and a second second					
-		LAK7268CV2				
		Owner Landson				
*		1. ANTINETY     1. STATUSTY     1. ANTINETY     1. ANTINETY	C despensiones despension mentiones In met mentiones	Pucket capture hours an entropy of the second		
:				Reformance		to second and
			(80-56) 			9 000000 9 000000 9 000000
		Techenolo, 111, 344		28		Ng mananana Ng mananana Ng
		Withouten				Ty samp Ty us The state of the
		<ul> <li>Utward</li> </ul>				

### 10. Repack and Record

- 1. Repackage the router.
- 2. Place a sticker on the top of the box.
- 3. Write the **setup date** on the sticker to indicate completion.

From: https://docs.myfridgeonline.com/ - **MyFridgeOnline** 

Permanent link: https://docs.myfridgeonline.com/technical\_docs/loriot/rak\_loroit



Last update: 2025/05/14 10:22