

# Configuring the PEPWave Modem for SmartScale

You will need:

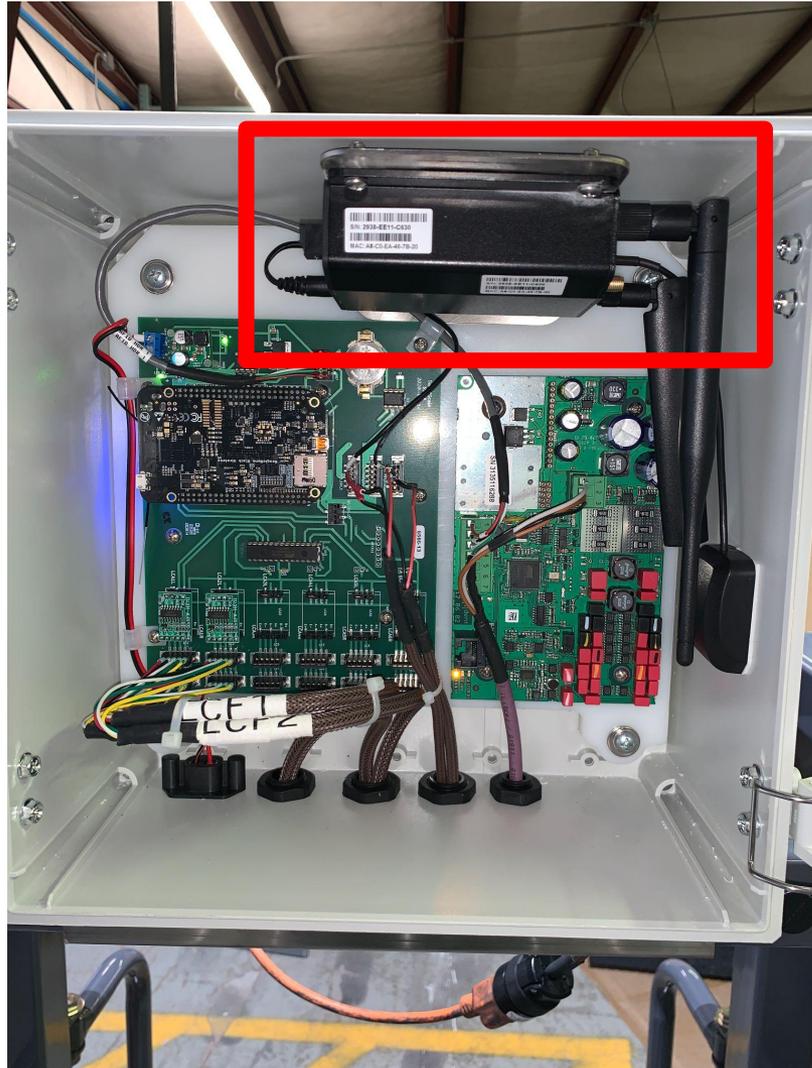
- Flash Light
- An Activated 2FF Mini-SIM Card
- The name of the APN for the cell service you will be using (some cell carriers don't require this)

Ensure SmartScale is turned off

# Open the Electronics Box



# Locate the Modem

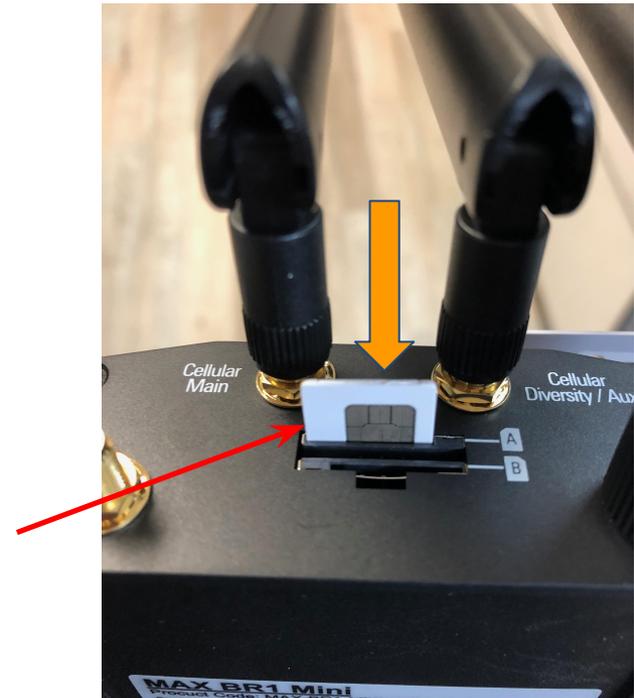


# Insert the 2FF Mini-SIM Card



The slot for the SIM card is located on the side of the modem where the antennas connect.

Insert the SIM card into slot A, in the orientation shown. Press it firmly until the card "clicks" into place.



# Apply Power Then Wait 3~4 Minutes

This will allow the modem enough  
time to start and initialize the  
Internet connection

# After 3~4 Minutes, You Should See the Modem's Wi-Fi Network

New PEPWave Network Name will be something like:

SMARTSCALE\_\_\_\_\_

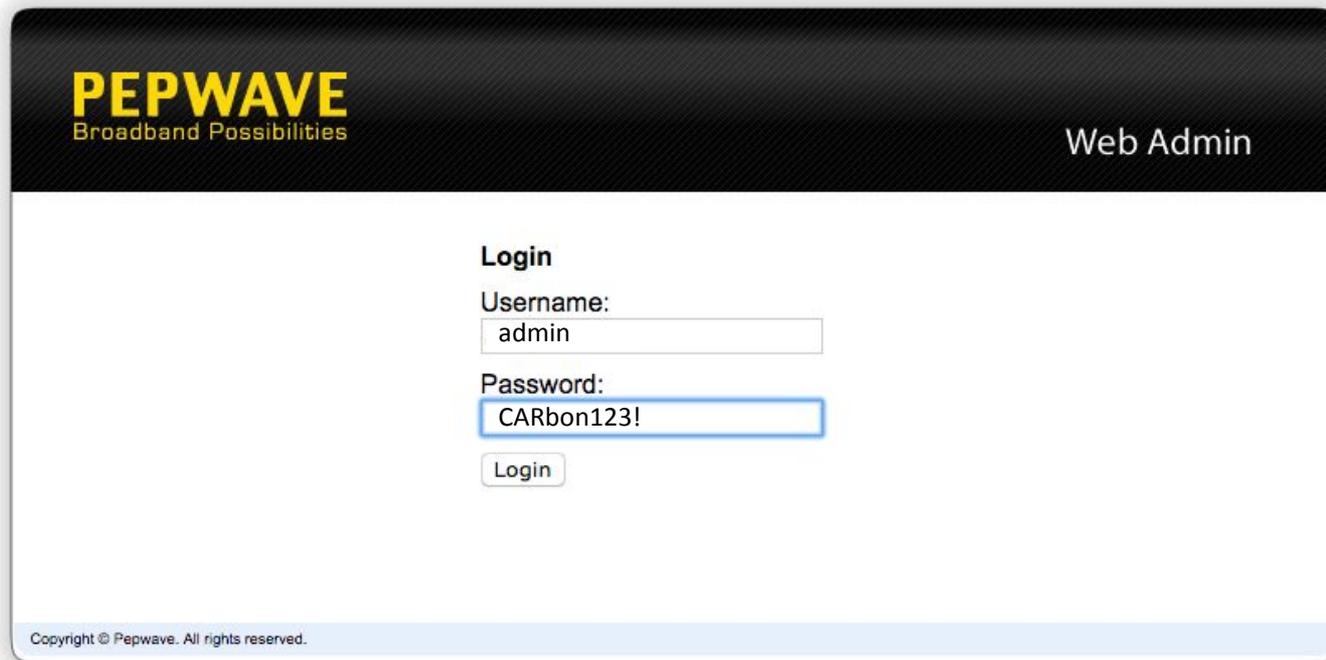
Connect to this network using the password:

**smartscale**

# Open a Web Browser and Go To <http://192.168.1.1>

If that page doesn't load, try: <http://192.168.50.1>

If that page doesn't load, try: <http://192.168.2.1>



**PEPWAVE**  
Broadband Possibilities

Web Admin

**Login**

Username:

Password:

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For the username enter: admin

For the password enter: **CARbon1!** or **CARbon123!** (for newer feeder)

Then click "Login"

# Under Dashboard, confirm Connection

The screenshot displays the Pepwave dashboard with the following sections:

- Navigation Bar:** PEPWAVE, Dashboard, Network, Advanced, AP, System, Status, Apply Changes.
- WAN Connection Status:**
  - Priority 1 (Highest): Cellular, Connected (green square), Details button.
  - Priority 2: Disabled (greyed out), Drag desired (Priority 2) connections here.
  - Disabled: Drag desired (Disabled) connections here.
- LAN Interface:** Router IP Address: 192.168.1.1
- Wi-Fi AP:** ON (green square), Details button.
- Device Information:**
  - Model: Pepwave MAX BR1 Mini
  - Firmware: 7.1.0 build 2860
  - Uptime: 0 days 0 hours 10 minutes
  - CPU Load: 12% (green progress bar)
  - Throughput: ↓ 0.0 kbps ↑ 0.0 kbps
- Footer:** Copyright © Pepwave. All rights reserved.

Red arrows in the image point to the 'Connected' status in the WAN Connection Status section and the 'Details' button next to it.

Make note if the connection says anything besides “Connected”

**Connection Details** ? X

**Cellular Status** ?

	SIM Card A	SIM Card B
IMSI	(No SIM Card Detected) (In Use)	(No SIM Card Detected)
MEID	HEX: 35907206054087 DEC: 089865882200344199	
IMEI	359072060540875	
Network Mode	Auto (Generic)	

Click Details

Then take a snapshot of the screen.

**WAN Connection Settings** ?

WAN Connection Name	Cellular <span>Default</span>
Network Mode	<input checked="" type="radio"/> Auto <input type="radio"/> Generic <input type="radio"/> AT&T <input type="radio"/> Sprint <input type="radio"/> Verizon Wireless
Subnet Selection	<span>?</span> <input checked="" type="radio"/> Auto
Routing Mode	<span>?</span> <input checked="" type="radio"/> NAT
DNS Servers	<input checked="" type="checkbox"/> Obtain DNS server address automatically <input type="checkbox"/> Use the following DNS server address(es) DNS Server 1: <input type="text"/> DNS Server 2: <input type="text"/>

**Cellular Settings** ?

SIM Card	<input checked="" type="radio"/> Both SIMs <input type="radio"/> SIM A Only <input type="radio"/> SIM B Only	
Preferred SIM Card	<input checked="" type="radio"/> No Preference <input type="radio"/> SIM A <input type="radio"/> SIM B	
	SIM Card A	SIM Card B
Network Selection	<span>?</span> <input checked="" type="radio"/> Auto	<input checked="" type="radio"/> Auto
LTE/3G	<span>?</span> Auto <input type="text"/>	Auto <input type="text"/>
Authentication	Auto <input type="text"/>	Auto <input type="text"/>

?

Details

ON  Details

Logout

<https://usatcorp.com/faqs/understanding-lte-signal-strength-values/>

	RSSI	SINR (dB)	RSRQ (dB)	RSRP (dBm)	EC/Io (dB)
<b>Technology</b>	LTE and 3G	LTE Only	LTE Only	LTE Only	HSPA+ and EVDO
<b>Excellent</b>	> -65	> 12.5	> -5	> -84	> -2
<b>Good</b>	-65 to -75	10 to 12.5	-9 to -5	-85 to -102	-2 to -5
<b>Fair</b>	-75 to -85	7 to 10	-12 to -9	-103 to -111	-5 to -10
<b>Poor</b>	< -85	< 7	< -12	< -111	< -10



# Contact C-Lock

Call C-Lock +1-605-791-5657 to confirm everything is working correctly.