



RemoteSIM Configurations

User Manual

September 2025

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Introduction

Peplink has developed a unique technology called RemoteSIM, which allows SIM cards to remotely link to a cellular router. This can be done via cloud or within the same physical network. There are a few key scenarios to fit certain applications.

The purpose of this manual is to provide an introduction on where to start and how to set up for the most common scenarios and uses.

Requirements

- Cellular router that supports RemoteSIM technology.
- SIM Injector.
- SIM card.

Notes:

- Always check for the latest [Firmware version](#) for both the cellular router and the SIM Injector. You can also check for the latest Firmware version on the device's WEB configuration page.
- A list of products that support RemoteSIM can be found on the SIM Injector [WEB page](#). Please check under the section **Supported models**.

SIM Injector Reset and Login Details

How to reset a SIM Injector:

- Hold the reset button for 5-10 seconds. Once the LED status light turns RED, the reset button can be released. SIM Injector will reboot and start with the factory default settings.

The default WEB login settings:

- User: admin
- Password: admin
- IP address: the device only has a DHCP client and no fallback IP address.. Therefore, it is advised to check every time what IP address is assigned to the SIM Injector.

Notes:

- The SIM Injector can be monitored via InControl 2. Configuration is not supported.

LED Indication

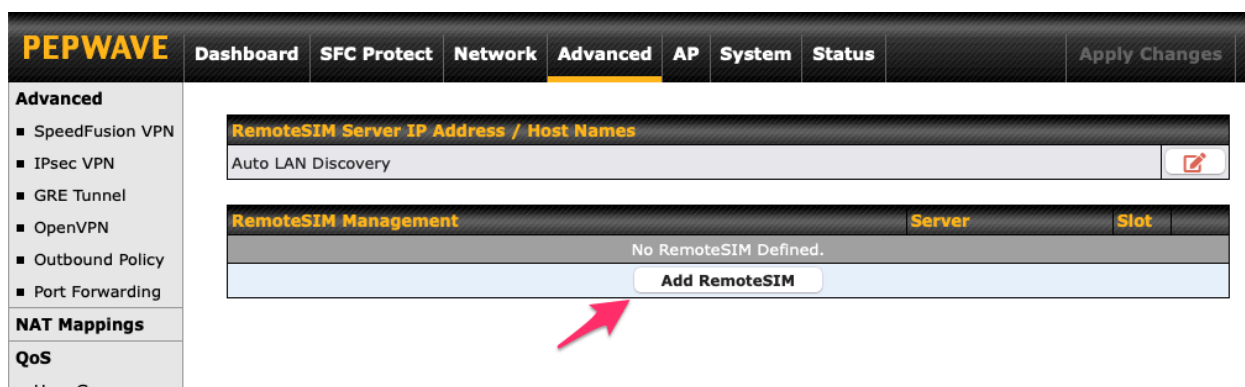
There are 8 SIM LED indicators and a Status LED indicator. The statuses indicated by the LEDs are as follows:

LED indicator	Light behavior	Description
Status	Blinking GREEN	Obtaining IP address
	Solid GREEN	Ready
	Blinking RED	Upgrading Firmware
	Solid RED	Restoring Factory Defaults
SIM	Off	No SIM inserted
	Blinking GREEN	SIM in use
	Solid GREEN	SIM standby
SIM Injector (Left Ethernet LED)	Off	Port is not connected
	Blinking ORANGE	Data is transferring
	Solid ORANGE	Port is connected without traffic
SIM Injector (Right Ethernet LED)	Off	PoE is disabled
	Solid GREEN	PoE enabled
SIM Injector Mini (Middle Ethernet LED)	Off	Port is not connected
	Blinking GREEN	Data is transferring
	Solid GREEN	Port is connected without traffic

Configuring Custom SIM Cards Settings

For applications when the SIM Injector is used, sometimes there might be a need to set custom cellular settings (e.g. APN, enable Roaming, etc). This is done on the router which is getting the RemoteSIM from the SIM Injector.

1. To start go:
 - For a Balance router, go to the **Network** (Top tab).
 - For a MAX router, go to the **Advanced** (Top tab).
2. Then Under **Misc. settings** (Left-side tab) click on **RemoteSIM Management**.
3. Click on the **Add RemoteSIM** button.



Next, fill in all the required info. The setting will apply only to a single SIM which is inserted in the SIM slot as defined in the settings.

PEPWAVE

Dashboard

SFC Protect

Network

Advanced

AP

System

Status

Apply Changes

Advanced

SpeedFusion VPN

IPsec VPN

GRE Tunnel

OpenVPN

Outbound Policy

Port Forwarding

NAT Mappings

QoS

User Groups

Bandwidth Control

Application Queue

Application

Firewall

Access Rules

Content Blocking

Routing Protocols

OSPF & RIPv2

BGP

Add RemoteSIM

RemoteSIM

SIM Server

New SIM Server...

SIM Server - Serial Number

0000000000000000

SIM Server - Name

SIM Injector Mini

SIM Slot

1

SIM Slot - Name

Optional

Data Roaming

☐

Operator Settings

☒ Auto ☐ Custom

APN

Username

Password

Confirm Password

SIM PIN (Optional)

(Confirm)

Save

This section allows defining custom requirements for a SIM card located in a certain SIM slot:

- Enable/Disable roaming (by default roaming is disabled).
- Add Custom mobile operator settings (APN, user name, password).

SIM Server - Serial Number > Enter SIM Injector S/N

SIM Slot > select SIM Injector slot to which SIM card the settings should be applied.

Data Roaming > enable data Roaming. By default Roaming is disabled.

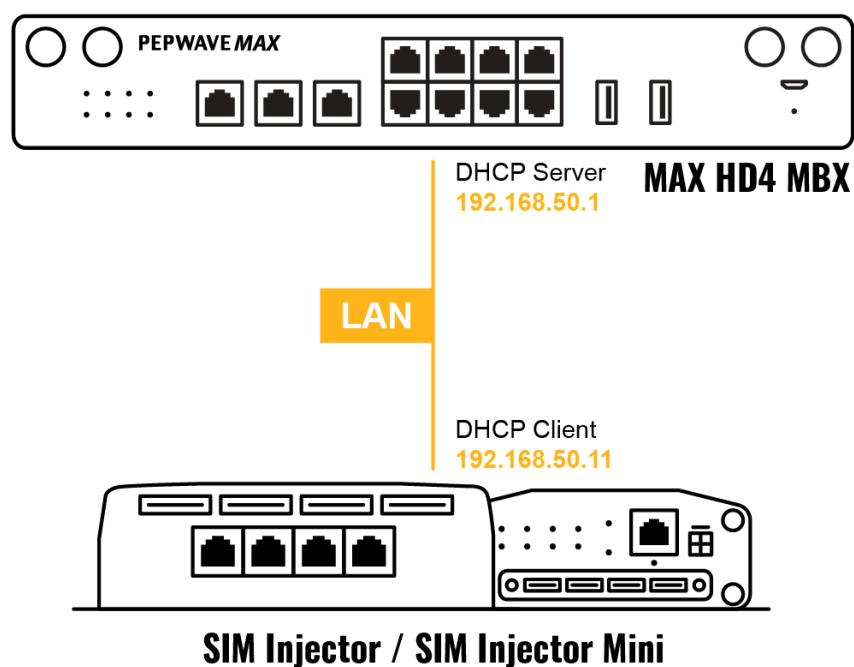
Operator Settings > select Customer to enter custom settings.

4. Repeat configuration for all SIM cards which need custom settings.

5. Click **Save** and then **Apply Changes** to take effect.

Scenario 1: SIM Injector in LAN of Cellular Router

Setup topology



This is the most basic scenario in which the SIM Injector / SIM Injector Mini (hereinafter referred to as SIM Injector) is connected directly to the cellular router's LAN port via an ethernet cable. This allows for the cellular router to be positioned for the best possible signal. Meanwhile, the SIM cards can be conveniently located in other locations such as the office, passenger area, or the bridge of a ship. The SIM Injector allows for easily swapping SIM cards without needing to access a cellular router.

IMPORTANT: Cellular WAN will not fallback to the local SIM if it is configured to use the SIM Injector.

Configuring the SIM Injector / SIM Injector Mini

1. Connect the SIM Injector to the LAN port of the cellular router.
2. Insert SIM cards into the SIM Injector. The SIM cards will be automatically detected.

IMPORTANT: SIM cards inserted into SIM Injector must not have a PIN code.

Note 1: The SIM Injector gets its IP address via DHCP and doesn't have a static IP address. To find it's address, please check the DHCP lease on the cellular router.

Configuring the Cellular Router

Step 1. Enable the SIM Injector communication protocol.

1. Under **Misc. settings** (left navigation bar) find **RemoteSIM Management**.
2. In **RemoteSIM Management**, click on the edit icon next to **RemoteSIM is Disabled**.

The screenshot shows the Peplink web interface. The top navigation bar includes tabs for Dashboard, SF Connect, Network, Advanced (highlighted with a red box and labeled '1'), AP, Switch, System, Status, and Apply Changes. The left sidebar contains a list of settings categories: Advanced, Remote User Access, Misc. Settings, and RemoteSIM Management (highlighted with a red box and labeled '2'). Under RemoteSIM Management, the status is 'RemoteSIM is disabled' (labeled '3'). To the right of this status is an edit icon (a square with a pencil) which is also highlighted with a red box.

3. Check the **Auto LAN discovery** checkbox and click **Save** and **Apply Changes**.

4. Click **Save** and then **Apply Changes**.

Step 2. Enable RemoteSIM for the selected Cellular interface.

1. Go to **Network** (top navigation bar), then **WAN** (left navigation bar), and click **Cellular**. This will open the WAN Connection Settings page.

2. Scroll down to **Cellular settings**.

3. In the **SIM Card** section, select **RemoteSIM**.

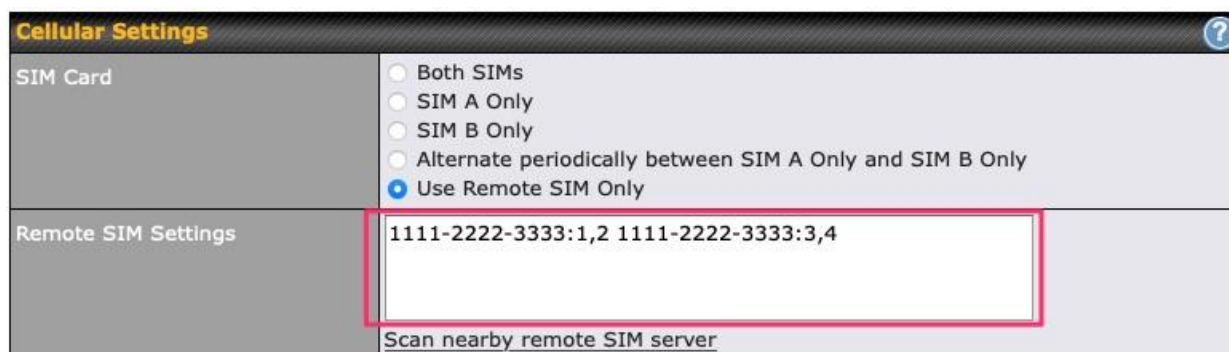
4. Enter configuration settings in the **RemoteSIM Settings** section. Click on **Scan nearby remote SIM server** to show the serial number(s) of the connected SIM Injector(s). Available configuration options for cellular interface are shown below:

A. Defining SIM Injector(s)

- Format: <S/N>
- Example 1: 1111-2222-3333
- Example 2: 1111-2222-3333 4444-5555-6666

B. Defining SIM Injector(s) SIM slot(s):

- Format: <S/N:slot number>
- Example 1: 1111-2222-3333:7,5 (the Cellular Interface will use SIM in slot 7, then 5)
- Example 2: 1111-2222-3333:1,2 1111-2222-3333:3,4 (the cellular Interface will use SIM in slot 1, then in 2 from the first SIM Injector, and then it will use 3 and 4 from the second SIM Injector).



Note: It is recommended to use different SIM slots for each cellular interface.

5. Click **Save** and **Apply Changes**.

Step 3. (Optional) Custom SIM cards settings.

1. Under **Misc. settings** (Left-side tab) find **RemoteSIM Management**.
2. Click on the **Add RemoteSIM** button, fill in all the required info and click **Save**. This section allows defining custom requirements for a SIM card located in a certain SIM slot:
 - Enable/Disable roaming (by default roaming is disabled).
 - Add Custom mobile operator settings (APN, user name, password).

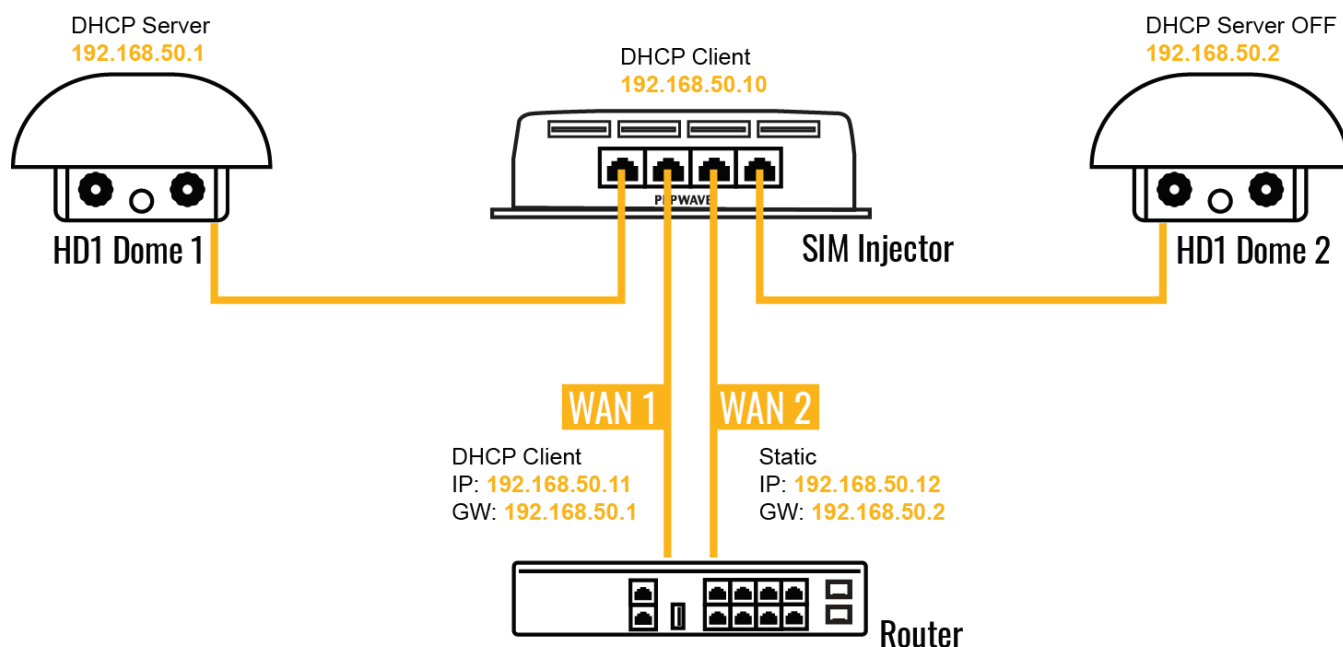
Add RemoteSIM
✕

RemoteSIM	
SIM Server	<div style="border: 2px solid red; padding: 2px;">New SIM Server... ▼</div>
SIM Server - Serial Number	<input style="width: 100%;" type="text"/>
SIM Server - Name	<div style="border: 2px solid red; padding: 2px;">Optional</div>
SIM Slot	1 ▼
SIM Slot - Name	<input style="width: 100%;" type="text"/>
Data Roaming	<input type="checkbox"/>
Operator Settings	? <input checked="" type="radio"/> Auto <input type="radio"/> Custom

3. Repeat configuration for all SIM cards which need custom settings.
4. Click **Save** and in the WebAdmin top right for **Apply Changes** to confirm your changes.

Scenario 2: SIM Injector in WAN of Main Router and Multiple Cellular Routers

Setup topology



In this scenario, each HD Dome creates a WAN connection to the main router. A single SIM Injector is used to provide SIM cards for each HD Dome. The HD Dome can be replaced with any Peplink cellular router supporting RemoteSIM technology.

This scenario requires the completion of the configuration steps shown in Scenario 1 in addition to the configuration steps explained below.

Additional configurations for Cellular Routers

Step 1. Disable the DHCP server.

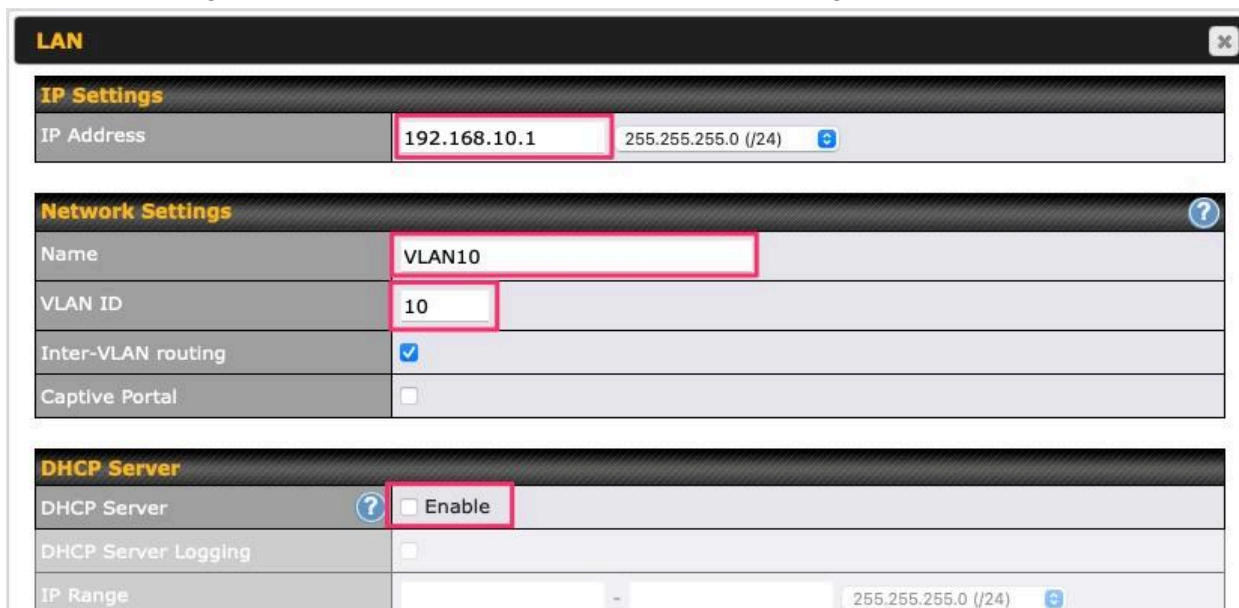
- HD Dome 1 should act as a DHCP server.
- HD Dome 2 should be configured to have a static IP address with DHCP disabled.
- Both routers should be in the same subnet (e.g. 192.168.50.1 and 192.168.50.2).

1. Go to **Network** (Top tab), then **Network Settings** (Left-side tab), and click on **Untagged LAN**. This will open up the LAN settings page.
2. Change the IP address to 192.168.50.2.
3. In the **DHCP Server** section, uncheck the checkbox to disable DHCP Server.
4. Click **Save** and **Apply Changes**.

Step 2. Ethernet port configuration

The Ethernet port must be set to **ACCESS** mode for each HD Dome. To do this, dummy VLANs need to be created first.

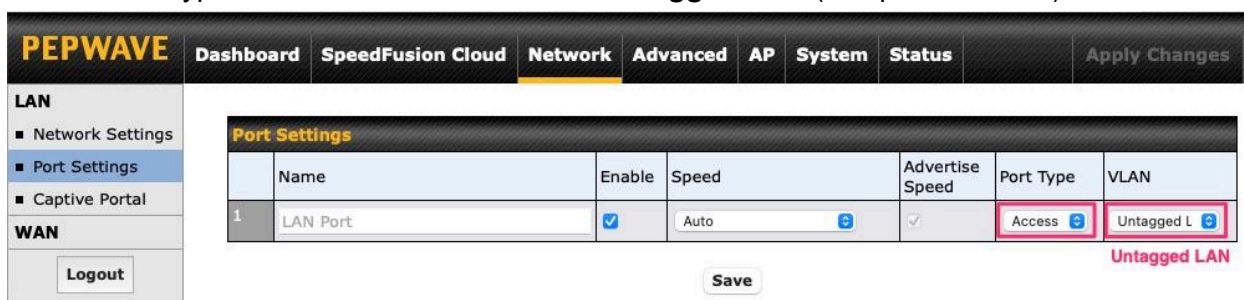
1. Go to **Network** (Top tab), then **Network Settings** (Left-side tab), and click on **New LAN**. This will open the settings page to create a dummy VLAN.
2. The image below shows the values that need to be changed to create a new VLAN:



LAN	
IP Settings	
IP Address	192.168.10.1 255.255.255.0 (/24)
Network Settings	
Name	VLAN10
VLAN ID	10
Inter-VLAN routing	<input checked="" type="checkbox"/>
Captive Portal	<input type="checkbox"/>
DHCP Server	
DHCP Server	<input type="checkbox"/> Enable
DHCP Server Logging	<input type="checkbox"/>
IP Range	255.255.255.0 (/24)

Note: set different IP addresses for each HD dome (e.g. 192.168.10.1 and 192.168.10.2).

3. Click Save and **Apply Changes**.
4. Go to **Network** (Top tab), then **Port Settings** (Left-side tab).
5. Set the Port Type to **Access** and set VLAN to **Untagged LAN** (see picture below).



The screenshot shows the Peplink PEPWAVE web interface. The top navigation bar includes tabs for Dashboard, SpeedFusion Cloud, Network (selected), Advanced, AP, System, and Status. On the left, the LAN section is expanded, showing Network Settings, Port Settings (selected), and Captive Portal. The main content area displays the Port Settings table for LAN Port 1. The table has columns for Name, Enable, Speed, Advertise Speed, Port Type, and VLAN. The Port Type is set to Access and the VLAN is set to Untagged LAN. A Save button is visible at the bottom right of the table.

Port Settings						
	Name	Enable	Speed	Advertise Speed	Port Type	VLAN
1	LAN Port	<input checked="" type="checkbox"/>	Auto	<input checked="" type="checkbox"/>	Access	Untagged LAN

Save

6. Click **Save** and **Apply Changes**.

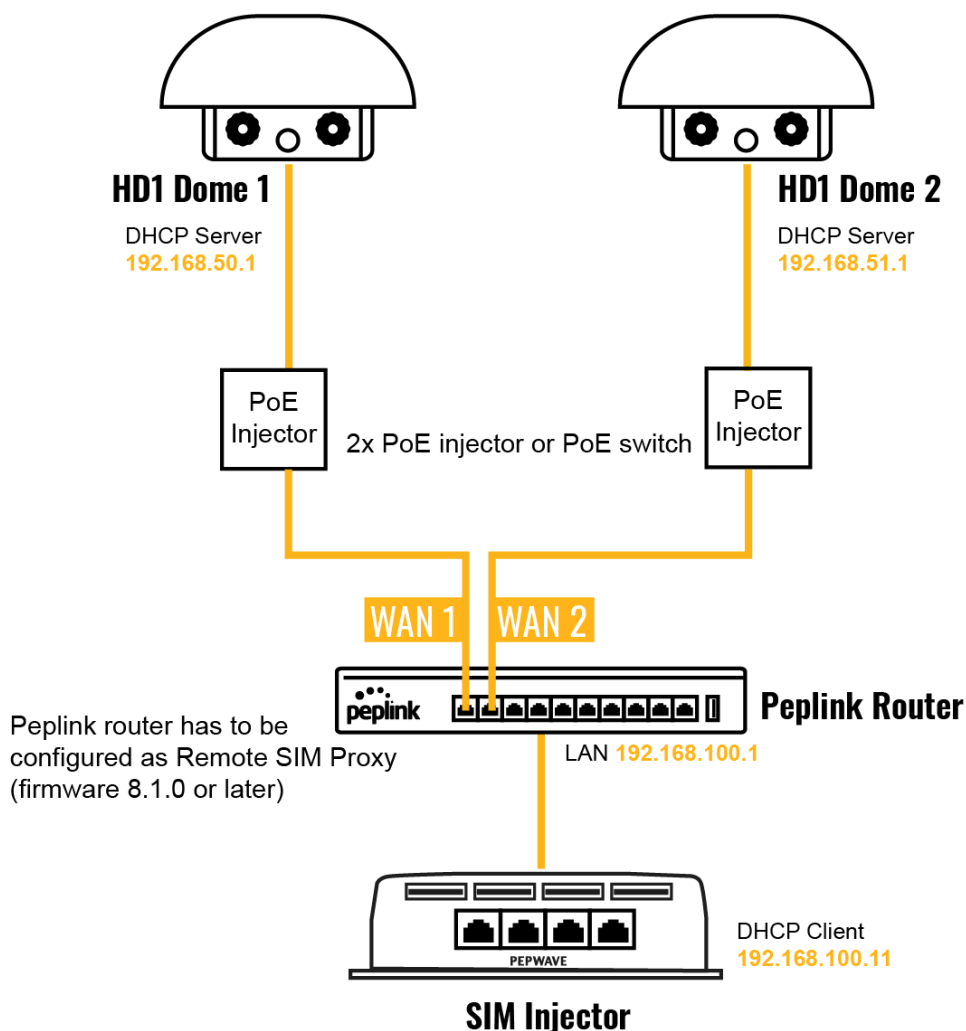
Configuration requirements for the main Router

Requirements for the main router are:

- Configure **WAN 1** as a DHCP client.
- **WAN 1** will automatically get the Gateway IP address from HD Dome 1.
- Configure **WAN 2** as a Static IP and set it to 192.168.50.12.
- Configure **WAN 2** Gateway to 192.168.50.2. Same as the HD Dome 2's IP address.

Scenario 3: SIM Injector in LAN of Main Router and Multiple Cellular Routers

Setup topology



In this scenario, SIMs are provided to the HD Domes via the main router. In this example, the **Remote SIM Proxy** functionality needs to be enabled on the main router.

Notes:

- HD Dome can be replaced with any other cellular router that supports RemoteSIM.

- It is recommended to use Peplink [Balance series](#) or [X series](#) routers as the main router.

This scenario requires the completion of the configuration steps for the cellular router and the SIM Injector as in Scenario 1. The configuration for the main router is explained below.

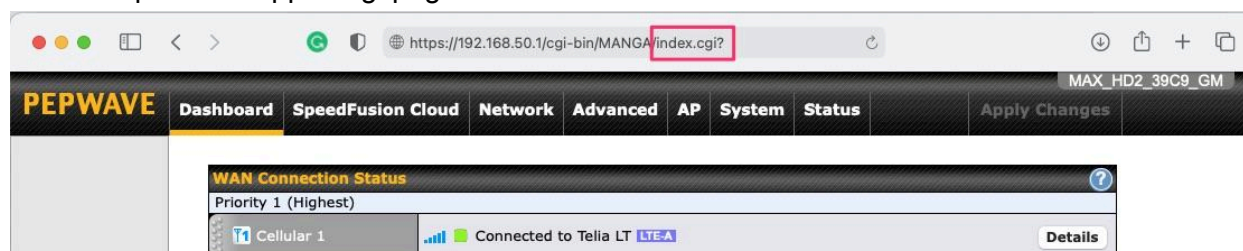
Main Router configuration

IMPORTANT: Main router LAN side and Cellular Routers must be configured using different subnets, e.g. 192.168.**50**.1/24 and 192.168.**100**.1/24.

Note: please make sure the Peplink router is running Firmware 8.1.0 or above.

1. Open the main router WEB interface and change:
From <IP address>/cgi-bin/MANGA/**index.cgi** to <IP address>/cgi-bin/MANGA/**support.cgi**.

This will open the support.cgi page.



2. Scroll down to find **RemoteSIM Proxy** and click on **[click to configure]** that is located next to it.

- Lowest Latency outbound algorithm threshold [[click to configure](#)]
- Power input monitor threshold [[click to configure](#)]
- Breakout Management Module [[click to configure](#)]
- FusionSIM Agent [[click to configure](#)]
- RemoteSIM Proxy [[click to configure](#)]
- NetFlow [[click to configure](#)]
- PCI Compliance Mode [[click to configure](#)]
- Session Timeout [[click to configure](#)]
- Download package updates [[click to configure](#)]
- DPI Support [[click to configure](#)]
- Wi-Fi WAN BSSID Steering [[click to configure](#)]
- Allow Starlink Dish API proxy access [[click to configure](#)]

3. Check the **Enable** checkbox.

RemoteSIM Proxy

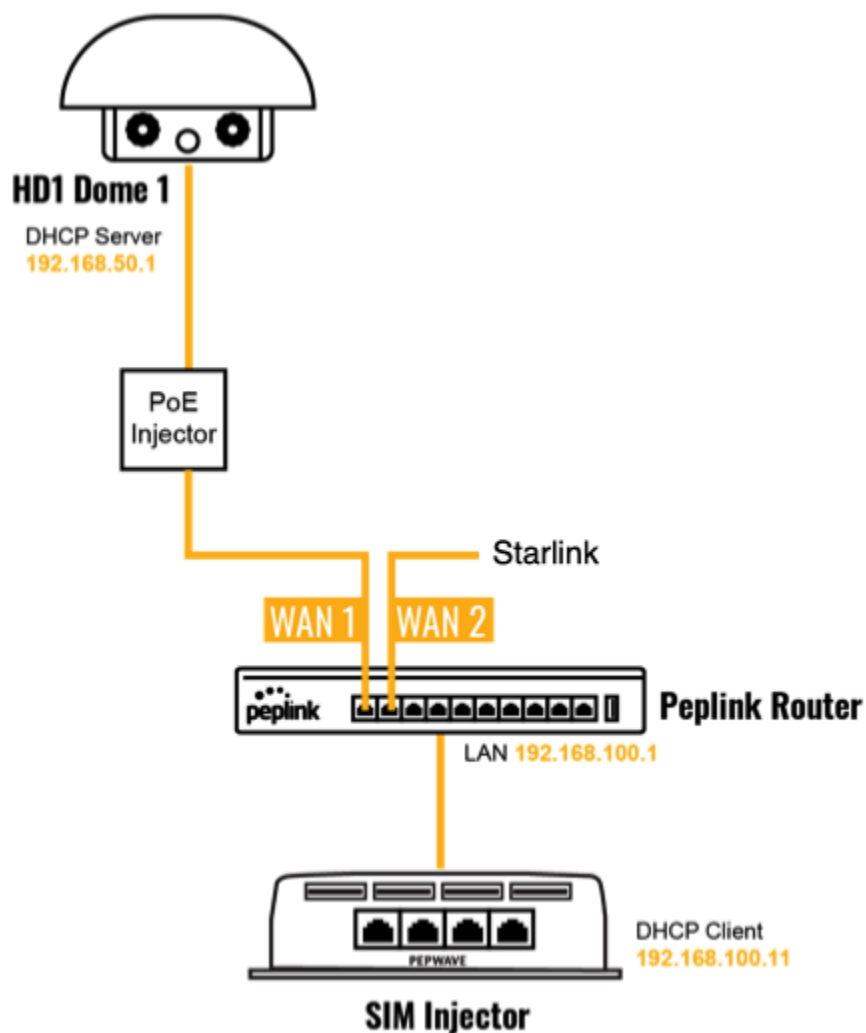
☐ Enable

4. Click on **Save**.

5. Go back to the index.cgi page and click on **Apply Changes**.

Scenario 4: SIM Injector in LAN of Main Router and Dome with Starlink

Setup topology



Equipment used:

- HD1 Dome Pro (MAX-HD1-DOM-PRO-5GD), FW version 8.2.1
- MAX HD2 (MAX-HD2-LTEA-W-T), FW version 8.2.1
- SIM Injector Mini (SIM-MINI-8-1E), FW version 1.1.120

Configuring the MAX HD2 router

IMPORTANT: Main router LAN side and Cellular Routers must be configured using different subnets, e.g. 192.168.**50**.1/24 and 192.168.**100**.1/24.

Step 1. Change router subnet to 192.168.100.1/24.

1. Go to Network tab, then click on LAN network

The screenshot shows the PEPWAVE web interface. The 'Network' tab is selected and highlighted with a red box. In the left sidebar, 'LAN' is selected, and 'Network Settings' is expanded. The main content area shows a table with columns 'LAN', 'VLAN', and 'Network'. The first row is 'Untagged LAN' with 'None' for VLAN and '192.168.50.1/24' for Network. A red box highlights the 'Untagged LAN' entry, and a red arrow points to it. Below the table is a 'New LAN' button. At the bottom, there is a 'Static Route Settings' section with a table for 'Static Route', 'Destination Network', 'Subnet Mask', and 'Gateway'.

2. Change IP addresses to the new subnet:

The screenshot shows the PEPWAVE web interface with the 'LAN' configuration page open. The 'IP Settings' section shows the 'IP Address' field set to '192.168.100.1', which is highlighted with a red box and a red arrow. The 'Network Settings' section shows 'Name' as an empty field, 'Inter-VLAN routing' checked, and 'Captive Portal' unchecked. The 'Drop-In Mode Settings' section shows 'Enable' unchecked. The 'DHCP Server' section shows 'DHCP Server' checked, 'DHCP Server Logging' unchecked, 'IP Range' set to '192.168.100.10' to '192.168.100.250' (both highlighted with red boxes and red arrows), 'Lease Time' set to '1 Days 0 Hours 0 Mins', and 'DNS Servers' checked with the option 'Assign DNS server automatically'.

3. Click on **Save**.

4. Go back to the index.cgi page and click on **Apply Changes**.

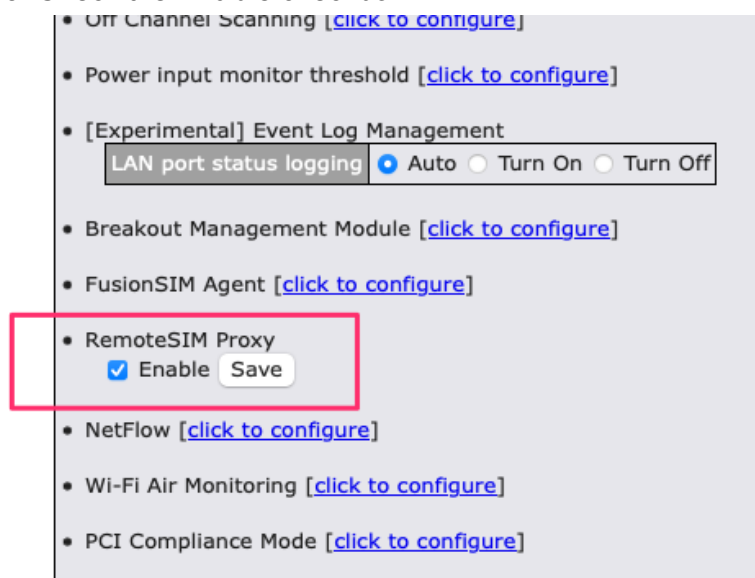
Step 2. Enable the Remote SIM Proxy

1. Open the main router WEB interface and change:

From 192.168.100.1/cgi-bin/MANGA/**index.cgi** to 192.168.100.1/cgi-bin/MANGA/**support.cgi**

2. Scroll down to find **Remote SIM Proxy** and click on **[click to configure]** that is located next to it.

3. Check the **Enable** checkbox.



4. Click on **Save**.

5. Go back to the index.cgi page and click on **Apply Changes**.

Configuring the SIM Injector

There is no need to configure a SIM Injector mini. Once the HD2 router configuration is finished you power on SIM Injector mini.

IMPORTANT: in case SIM Injector Mini was connected to HD2 before its configuration, then need to power off and then power on SIM Injector Mini.

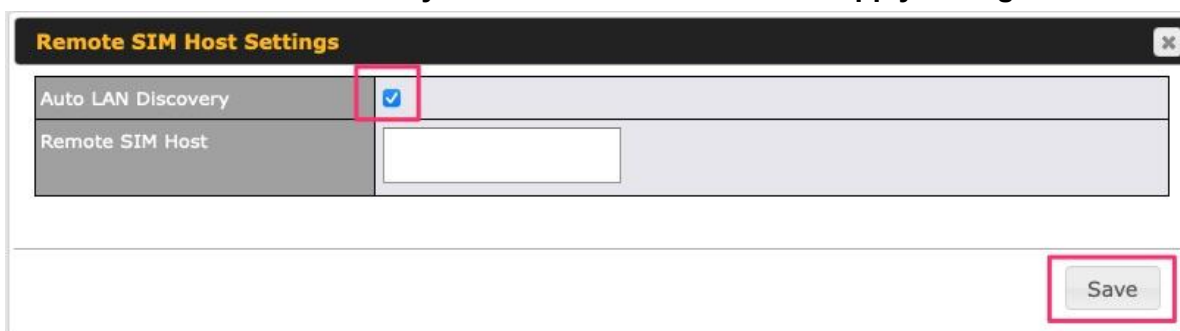
Configuring the HD1 Dome Pro

Step 1. Enable the SIM Injector communication protocol.

1. By default the HD1 Dome Pro IP address is 192.168.50.1. Open WEB based configuration interface and then go to **Advanced** tab (top navigation bar).
2. Under **Misc. settings** (left navigation bar) find **Remote SIM Management**.
3. In **Remote SIM Management**, click on the edit icon next to **Remote SIM is Disabled**.



4. Check the **Auto LAN discovery** checkbox and click **Save** and **Apply Changes**.



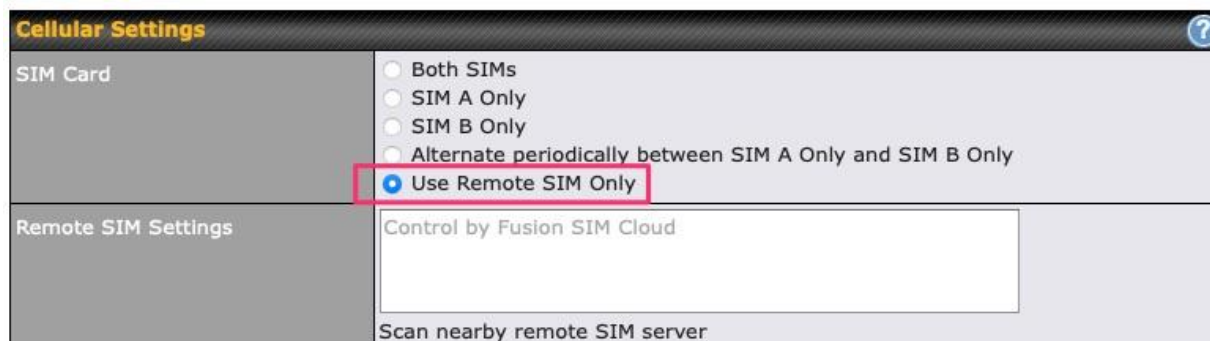
5. Click **Save** and then **Apply Changes** and **reboot the HD1 Dome Pro**.

Step 2. Enable RemoteSIM for the selected Cellular interface.

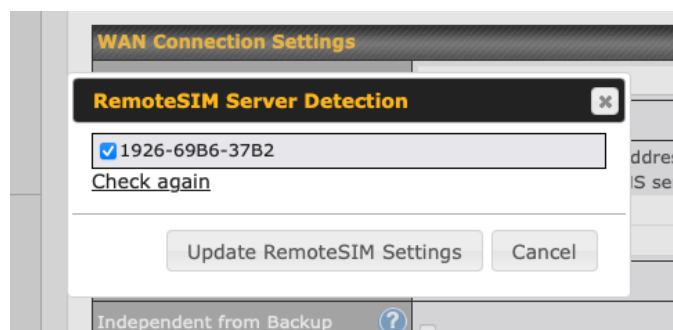
1. Go to **Network** (top navigation bar), then **WAN** (left navigation bar) and click **Details** for a selected cellular WAN. This will open the WAN Connection Settings page.



2. Scroll down to **Cellular settings**.
3. In the **SIM Card** section, select **Use Remote SIM Only**.



4. Click **Scan nearby remote SIM server**. The system must find the SIM Injector Mini serial number as shown below.



5. Click Update RemoteSIM Settings.

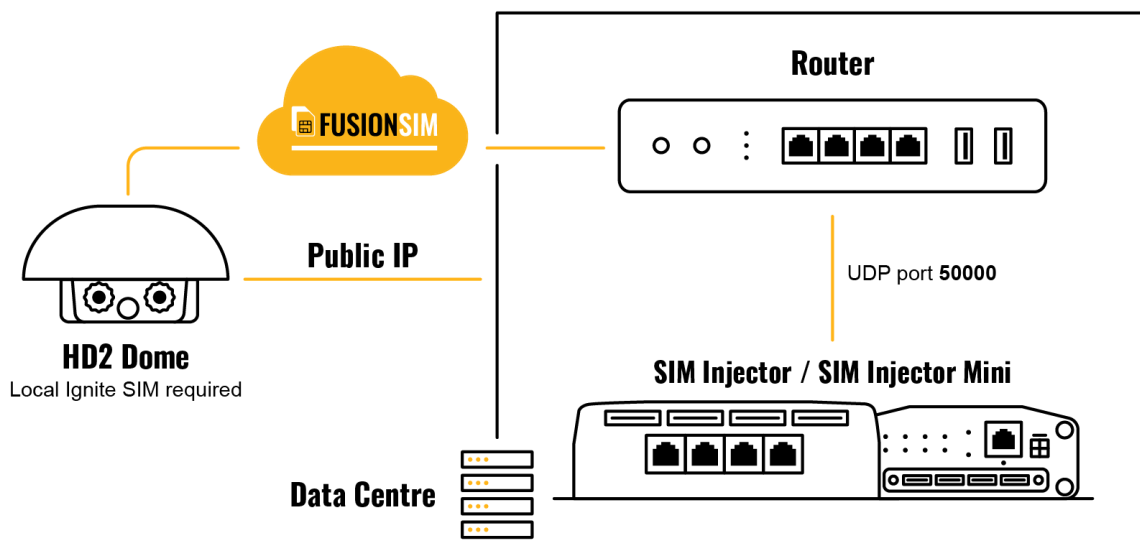
6. Click **Save** and **Apply Changes**.

Step 3. (Optional) Custom SIM cards settings.

1. For a MAX router, go to the **Advanced** (Top tab).
2. Under **Misc. settings** (Left-side tab) find **Remote SIM Management**.
3. Click on the **Add Remote SIM** button, fill in all the required info and click **Save**. This section allows defining custom requirements for a SIM card located in a certain SIM slot:
 - Enable/Disable roaming (by default roaming is disabled).
 - Add Custom mobile operator settings (APN, user name, password).
4. Repeat configuration for all SIM cards which need custom settings.
5. Click **Apply Changes** to take effect.

Scenario 5: SIM Injector / SIM Injector Mini in a Remote Location

Setup topology



Requirements for installing a SIM Injector / SIM Injector Mini (hereinafter referred to as SIM Injector) in a remote location:

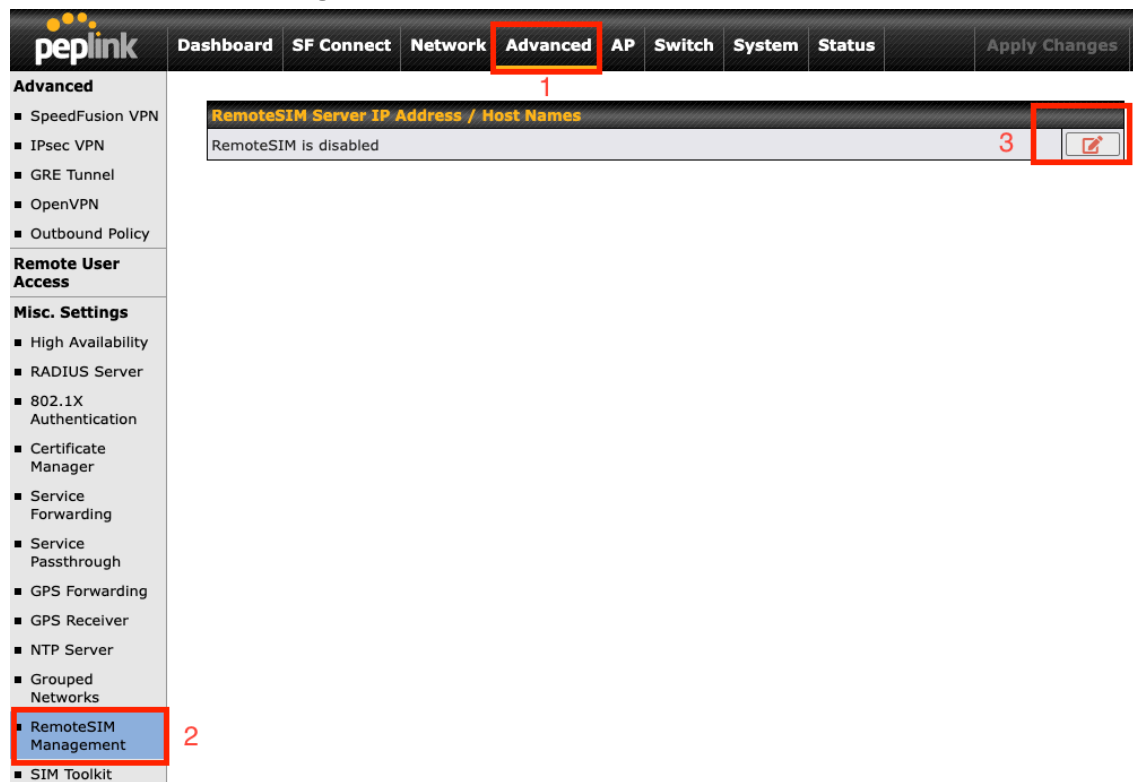
- Cellular router communicates with the SIM Injector via UDP port 50000. Therefore this port must be reachable via public IP over the Internet.
- The one way latency between the cellular router and the SIM Injector should be **up to 250 ms**. A higher latency may lead to instability issues.
- The cellular router must have Internet connection to connect to the SIM Injector. It can be another Internet connection via Ethernet or Fiber if possible, or a secondary cellular interface with a local SIM (Ignite SIM).
- Due to its high latency, it is not recommended to use satellite WAN for connecting to a SIM Injector in remote locations.

SIM Injector configuration is the same as in Scenario 1.

Cellular Router configuration

Step 1. Enable the SIM Injector communication protocol.

1. Under **Misc. settings** (left navigation bar) find **RemoteSIM Management**.
2. In **RemoteSIM Management**, click on the edit icon next to **RemoteSIM is Disabled**.



3. Enter the public IP of the SIM Injector and click **Save** and **Apply Changes**.

The screenshot shows the 'Remote SIM Host Settings' form. It has two fields: 'Auto LAN Discovery' with a checkbox that is not checked, and 'Remote SIM Host' with a text input field containing the IP address '84.199.92.62' (highlighted with a blue box).

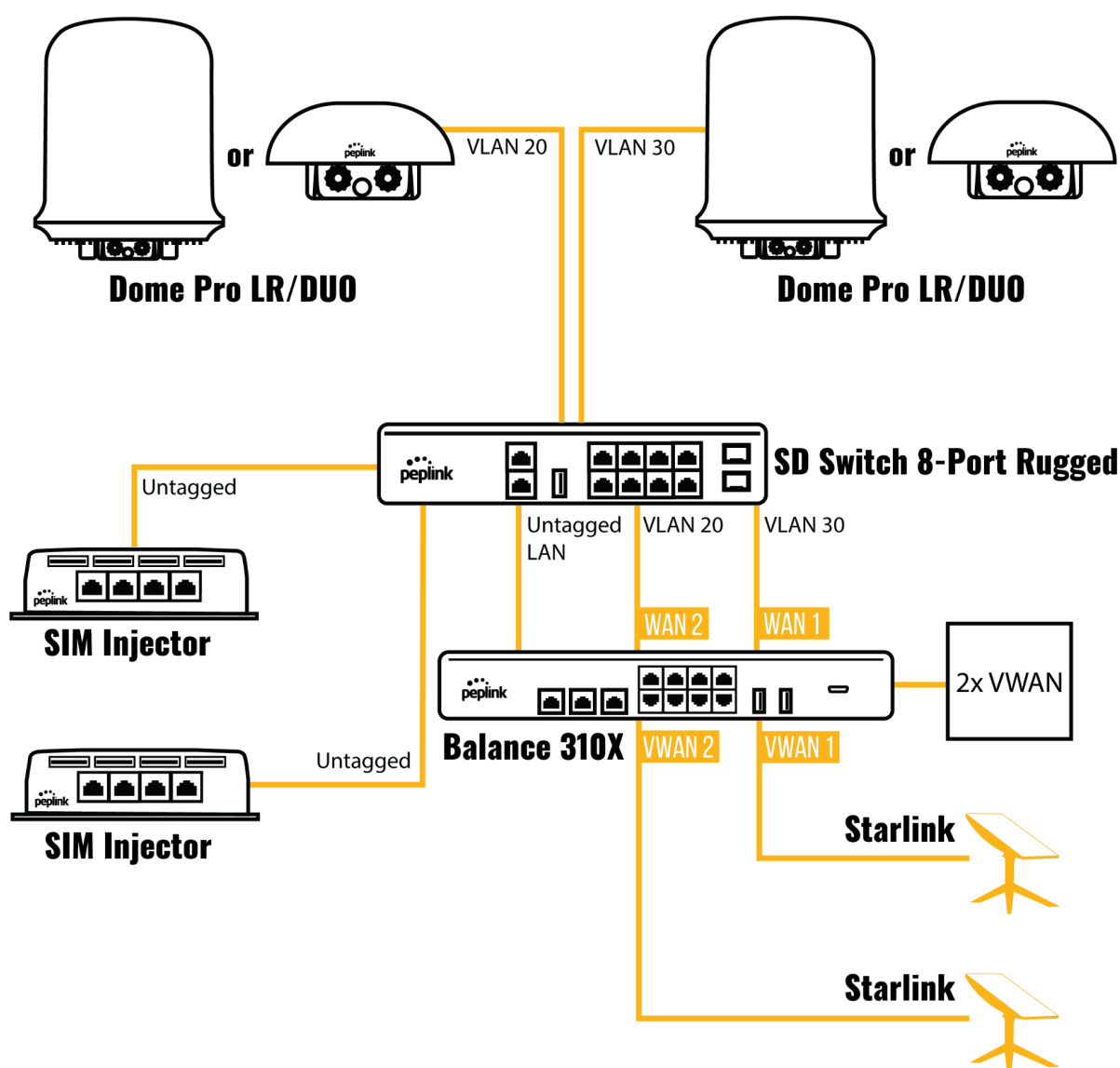
Notes:

- Do NOT check **Auto LAN Discovery**.
- Adding a SIM Injector serial number to the **Remote SIM Host** field is a mistake!

Step 2. RemoteSIM and custom SIM card settings configurations are the same as in Scenario 1.

Scenario 6: Dual SIM Injector on Synergized Dual Dome Solution with Balance Router

Setup topology



Use Synergy mode guide for setting up Synergy Mode:

[Synergy Mode \(Firmware 8.3.0\) - Tips and Tricks - Peplink Community](https://community.peplink.com/t5/Synergy-Mode-Firmware-8.3.0-Tips-and-Tricks/ba-p/111111)

Configuring SIM Injectors on Synergy Controller (Balance router)

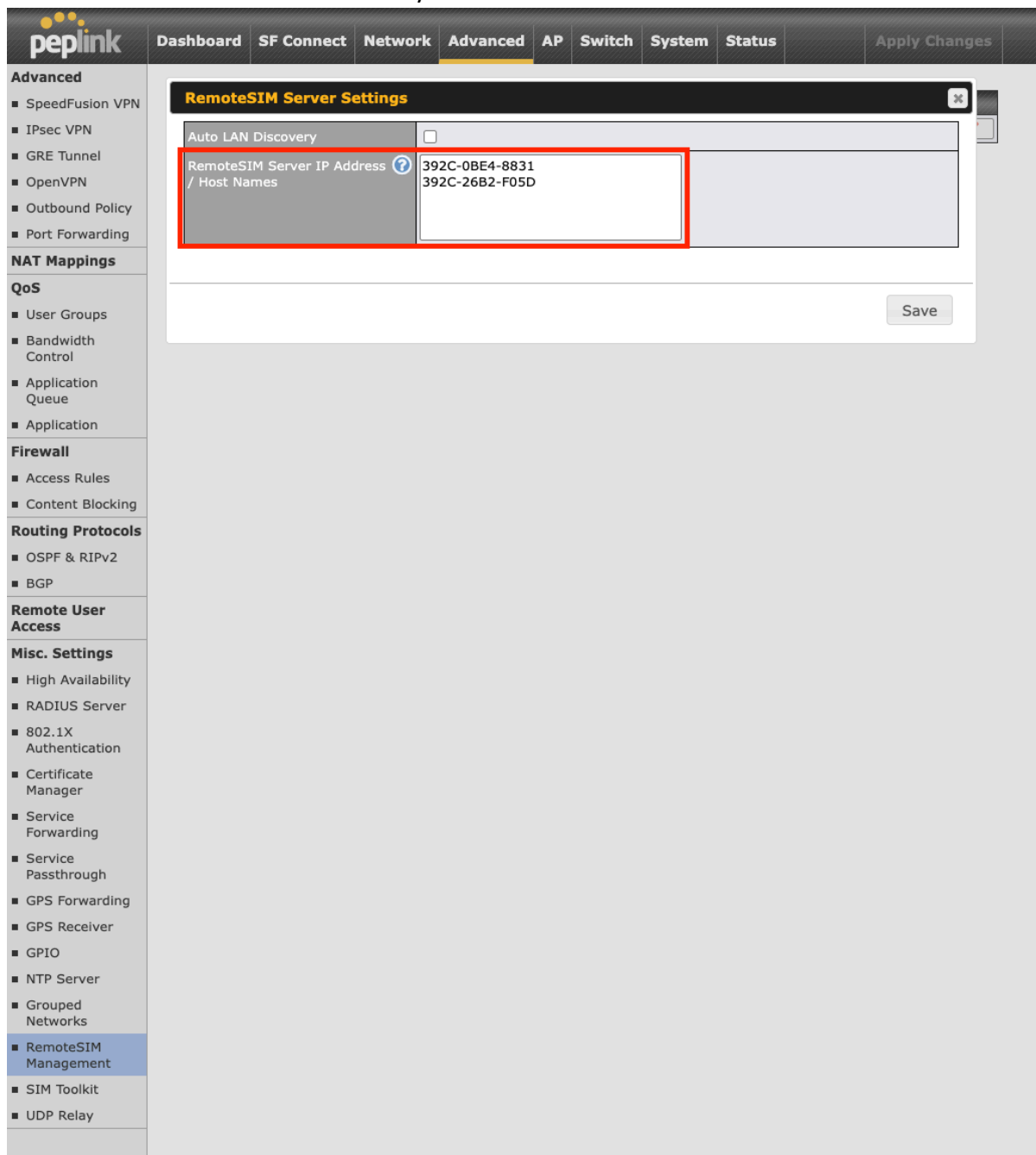
1: To start go to:

- For a Balance router, go to the Network (Top tab).

2.1: Then Under Misc. settings (Left-side tab) click on RemoteSIM Management.



2.2: Next, fill in all the required info. This will not be Auto LAN discovery, fill in the remote SIM Server IP Addresses or Hostnames. By default the Hostname is the Serial Number.



The screenshot displays the Peplink web interface with the 'Advanced' tab selected. The left sidebar lists various settings categories, with 'RemoteSIM Management' highlighted under 'Misc. Settings'. The main content area shows the 'RemoteSIM Server Settings' configuration page. A red box highlights the 'RemoteSIM Server IP Address / Host Names' field, which contains the values '392C-0BE4-8831' and '392C-26B2-F05D'. The 'Auto LAN Discovery' checkbox is unchecked. A 'Save' button is visible at the bottom right of the settings panel.

RemoteSIM Server Settings	
Auto LAN Discovery	<input type="checkbox"/>
RemoteSIM Server IP Address / Host Names	392C-0BE4-8831 392C-26B2-F05D

Save

3.1: After Apply changes. Click on the Add RemoteSIM button.

3.2: Next, fill in all the required info. The setting will apply only to a single SIM which is inserted in the SIM slot as defined in the settings.

This section allows defining custom requirements for a SIM card located in a certain SIM slot:

- Enable/Disable roaming (by default roaming is disabled).
- Add Custom mobile operator settings (APN, user name, password).

SIM Server ⓘ Serial Number > Enter SIM Injector S/N

SIM Slot ⓘ select SIM Injector slot to which SIM card the settings should be applied.

Data Roaming ⓘ enable data Roaming. By default Roaming is disabled.

Operator Settings ⓘ select Customer to enter custom settings.

4.1: Adding another SIM Injector, again you will click on add RemoteSIM:

Changes applied.

RemoteSIM Server IP Address / Host Names			
392C-0BE4-8831 392C-26B2-F05D Auto LAN Discovery is disabled			✎

RemoteSIM Server	Serial Number	
SIM BK8 - F05D	392C-26B2-F05D	✕

RemoteSIM Management	Server	Slot	
SIM BK8 - F05D (1)	SIM BK8 - F05D	1	✕
<div style="border: 2px solid red; display: inline-block; padding: 5px 15px; background-color: #eee;">Add RemoteSIM</div>			

4.2: On SIM Server you will select a new SIM server from the dropdown menu. In the venster you can enter the 2nd serial number you have used previously in Step 2.

Add RemoteSIM
✕

RemoteSIM

SIM Server

✓
SIM BK8 - F05D

New SIM Server...

SIM Server - Serial Number

SIM Slot

1 ▾

SIM Slot - Name

Optional

Data Roaming

☐

Operator Settings

?
☒ Auto
 ☐ Custom

APN

Username

Password

Confirm Password

SIM PIN (Optional)

(Confirm)

Save

5. Next, fill in all the required info. The setting will apply only to a single SIM which is inserted in the SIM slot as defined in the settings.

This section allows defining custom requirements for a SIM card located in a certain SIM slot:

- Enable/Disable roaming (by default roaming is disabled).
- Add Custom mobile operator settings (APN, user name, password).

SIM Server ⓘ Serial Number > Enter SIM Injector S/N

SIM Slot ⓘ select SIM Injector slot to which SIM card the settings should be applied.

Data Roaming ⓘ enable data Roaming. By default Roaming is disabled.

Operator Settings ⓘ select Customer to enter custom settings.

Add RemoteSIM

RemoteSIM	
SIM Server	New SIM Server... ▾
SIM Server - Serial Number	392C-0BE4-8831
SIM Server - Name	SIM BK8 - 8831
SIM Slot	1 ▾
SIM Slot - Name	Optional
Data Roaming	<input checked="" type="checkbox"/> Any countries ▾
Operator Settings ⓘ	<input checked="" type="radio"/> Auto <input type="radio"/> Custom
Username	
Password	
Confirm Password	
SIM PIN (Optional)	<input type="text"/> <input type="text"/> (Confirm)

Save

6. Repeat all configuration steps from step 3 for all SIM cards which need custom settings.

Setting up the Balance router with 2 synergized Domes

1: Select the preferred Cellular WAN connection from the dashboard and click on the Cellular WAN Interface name:

WAN Connection Status		
Priority 1 (Highest)		
BACKUP VLAN WAN 1	Connected	172.20.11.223
2 Cellular 1 - 192F-0628-58CC	No SIM Card Detected Reload SIM	(No IP Address)
3 Cellular 2 - 192F-0628-58CC	No SIM Card Detected Reload SIM	(No IP Address)
4 Cellular 1 - 192E-D521-9A...	Connected to Odido 5G	178.227.100.171
5 Cellular 2 - 192E-D521-9A...	No SIM Card Detected Reload SIM	(No IP Address)
Priority 2		
Drag desired (Priority 2) connections here		
Priority 3		
Drag desired (Priority 3) connections here		
Priority 4		
WAN 1	Connected to 192E-D521-9A4B (Sy...	169.254.33.109
WAN 2	Connected to 192F-0628-58CC (Sy...	169.254.34.110

- 2: Select the correct priorities for your SIM Card setup and select RemoteSIM option.
Add the Remote SIM Server you assign to your Cellular WAN Interface and if needed define SIM slot by adding “:[SIM slot Number]” after the Serial Number of the SIM Injector.

Cellular Settings	
SIM Card	<input type="radio"/> Alternate between SIM A and SIM B periodically <input checked="" type="radio"/> Custom Selection <div> <input checked="" type="checkbox"/> SIM A Priority: 2 </div> <div> <input checked="" type="checkbox"/> SIM B Priority: 2 </div> <div> <input checked="" type="checkbox"/> RemoteSIM Priority: 1 </div> <input type="checkbox"/> FusionSIM
RemoteSIM Settings	392C-0BE4-8831:1 Scan nearby RemoteSIM server

- 3: Click on **Save and Apply**. Repeat this for all Celullar WAN Interfaces you want to use.

Note: If you want to use both SIM Injectors for one Cellular WAN Interface separate them by a “space” or “enter”. Define different sim slots from the same SIM Injector by separating them by a “,”

Example:

A. Defining SIM Injector(s)

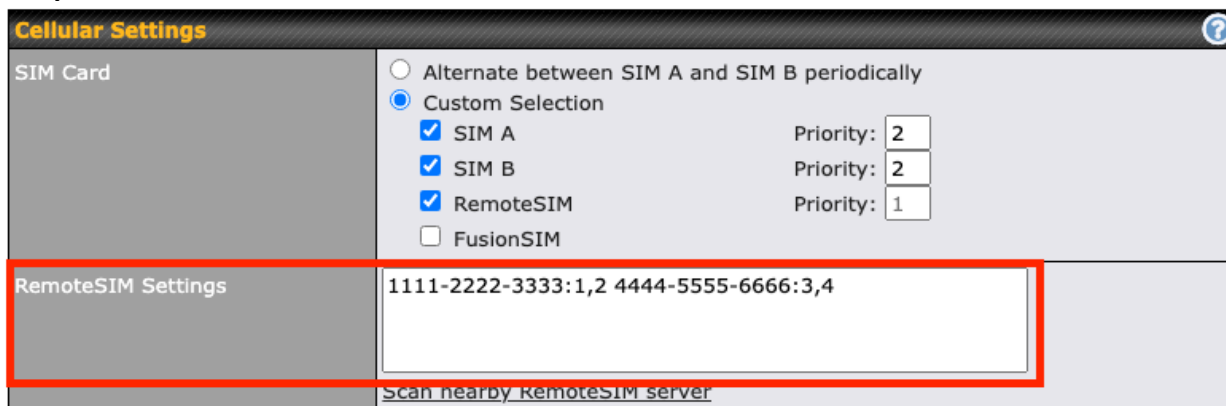
- Format: <S/N>

- Example 1: 1111-2222-3333
- Example 2: 1111-2222-3333 4444-5555-6666

B. Defining SIM Injector(s) SIM slot(s):

- Format: <S/N:slot number>
- Example 1: 1111-2222-3333:7,5 (the Cellular Interface will use SIM in slot 7, then 5)
- Example 2: 1111-2222-3333:1,2 1111-2222-3333:3,4 (the cellular Interface will use SIM in slot 1, then in 2 from the first SIM Injector, and then it will use 3 and 4 from the second SIM Injector).

See picture below for reference:



Cellular Settings

SIM Card

☐ Alternate between SIM A and SIM B periodically
☒ Custom Selection

☒ SIM A Priority:
☒ SIM B Priority:
☒ RemoteSIM Priority:
☐ FusionSIM

RemoteSIM Settings

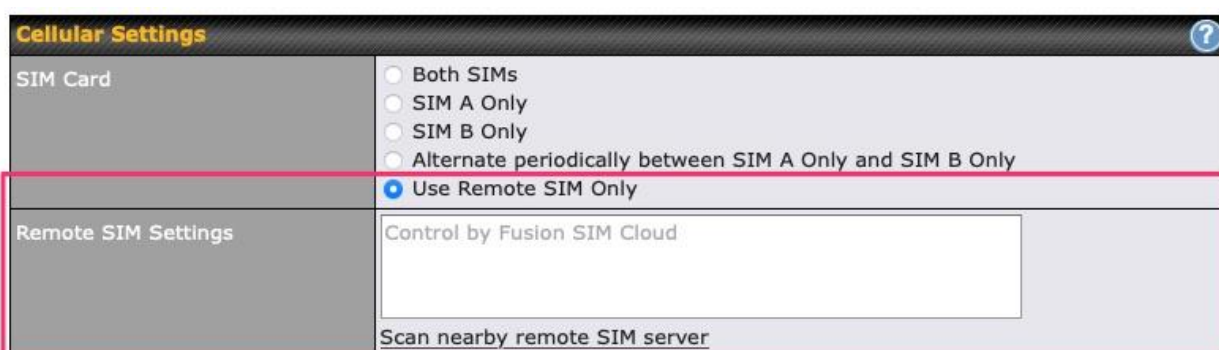
1111-2222-3333:1,2 4444-5555-6666:3,4

[Scan nearby RemoteSIM server](#)

How to Check if a Peplink Cellular Router Supports RemoteSIM

1. Go to **Network** (Top tab), then **WAN** (Left-side tab), and click **Details** on any cellular WAN. This will open the WAN Connection Settings page.
2. Scroll down to **Cellular settings**.

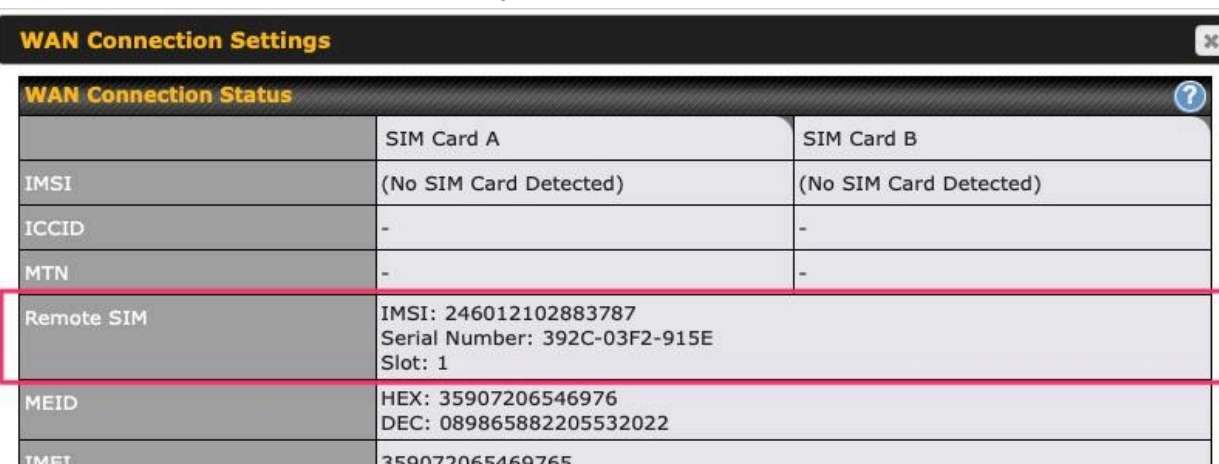
If you can see the **Remote SIM Settings** section, then the cellular router supports RemoteSIM.



The screenshot shows the 'Cellular Settings' page. The 'SIM Card' section has five options: 'Both SIMs', 'SIM A Only', 'SIM B Only', 'Alternate periodically between SIM A Only and SIM B Only', and 'Use Remote SIM Only' (which is selected). The 'Remote SIM Settings' section is highlighted with a red box and contains a text input field with the placeholder 'Control by Fusion SIM Cloud' and a button labeled 'Scan nearby remote SIM server'.

Monitor the status of the RemoteSIM

1. Go to **Network** (Top tab), then **WAN** (Left-side tab), and click **Details** on the cellular WAN which was configured to use RemoteSIM.
2. Check the **WAN Connection Status** section. Within the cell WAN details, there is a section for **Remote SIM** (SIM card IMSI, SIM Injector serial number and SIM slot).



The screenshot shows the 'WAN Connection Status' page. The 'Remote SIM' section is highlighted with a red box and contains the following information:

WAN Connection Status		
	SIM Card A	SIM Card B
IMSI	(No SIM Card Detected)	(No SIM Card Detected)
ICCID	-	-
MTN	-	-
Remote SIM	IMSI: 246012102883787 Serial Number: 392C-03F2-915E Slot: 1	
MEID	HEX: 35907206546976 DEC: 089865882205532022	
IMEI	359072065469765	

Appendix A: Declaration

Ethernet Cables

We recommend that you use a shielded cable to connect the Ethernet ports for the network.

FCC Requirements for Operation in the United States

Federal Communications Commission (FCC) Compliance Notice:

For SIM Injector

Federal Communication Commission Interference Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada Statement

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.


Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex-empts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en

CE Statement for Peplink Routers (SIM Injector)

DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Electromagnetic Compatibility Directive 2014/30/EU, and Low Voltage Directive 2014/35/EU.

Name of manufacturer	PISMO LABS TECHNOLOGY LIMITED
Contact information of the manufacturer	A8, 5/F, HK Spinners Industrial. Building., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong tel. (852) 2990 7600, fax. (852) 3007 0588 e-mail: cs@peplink.com
Description of the appliance	PEPWAVE / PEPLINK / PEPXIM Product
Model name of the appliance	SIM Injector SIM-BK8-4E-56V
Trade name of the appliance	 PEPWAVE

The construction of the appliance is in accordance with the following standards:

EN 55032: 2015 / AC:2016
EN 55024: 2010
EN 61000-3-2 : 2014
EN 61000-3-3 : 2013
EN 62368-1:2020 + A11:2020


Yours sincerely,



Antony Chong
Director of Hardware Engineering
Peplink Pte. Limited

UK Statement for Peplink Routers (SIM Injector)

UK DECLARATION OF CONFORMITY

Name of manufacturer	PISMO LABS TECHNOLOGY LIMITED
Contact information of the manufacturer	A8, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong tel. (852) 2990 7600, fax. (852) 3007 0588 e-mail: cs@peplink.com
Description of the appliance	PEPWAVE / PEPLINK / PEPXIM Product
Model name of the appliance	SIM Injector SIM-BK8-4E-56V
Trade name of the appliance	 PEPWAVE

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

UK legislation

Electromagnetic Compatibility Regulations 2016
Electrical Equipment (Safety) Regulations 2016

UK Designed Standard

EN 55032: 2015 / AC:2016
EN 55024 : 2010
EN 61000-3-2 : 2014
EN 61000-3-3 : 2013
EN 62368-1:2020 + A11:2020

Yours sincerely,



Antony Chong
Director of Hardware Engineering
Peplink Pte. Limited

FCC Requirements for Operation in the United States

Federal Communications Commission (FCC) Compliance Notice:

For SIM Injector Mini

Federal Communication Commission Interference Statement

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada Statement

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Le présent produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.


Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio ex-empts de licence. L'exploitation est autorisee aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en

CE Statement for Peplink Routers (SIM Injector Mini)

DECLARATION OF CONFORMITY

We affirm the electrical equipment manufactured by us fulfils the requirements of the Radio Equipment Directive 2014/53/EU.

Name of manufacturer	PISMO LABS TECHNOLOGY LIMITED
Contact information of the manufacturer	A8, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong tel. (852) 2990 7600, fax. (852) 3007 0588 e-mail: cs@peplink.com
Description of the appliance	Peplink Pepwave Product
Model name of the appliance	SIM Injector Mini SIM-MINI-8-1E
Trade name of the appliance	 PEPWAVE

The construction of the appliance is in accordance with the following standards:

EN 55032:2015 / A1:2020
EN 55035:2017 / A11:2020
EN IEC 61000-3-2:2019/A1:2021
EN 61000-3-3:2013/A2:2021
EN IEC 62368-1:2020 + A11:2020


Yours sincerely,



Antony Chong
Director of Hardware Engineering
Peplink Pte. Limited

UK Statement for Peplink Routers (SIM Injector Mini)

UK DECLARATION OF CONFORMITY

Name of manufacturer	PISMO LABS TECHNOLOGY LIMITED
Contact information of the manufacturer	A8, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong tel. (852) 2990 7600, fax. (852) 3007 0588 e-mail: cs@peplink.com
Description of the appliance	Peplink Pepwave Product
Model name of the appliance	SIM Injector Mini SIM-MINI-8-1E
Trade name of the appliance	 PEPWAVE

We declare under sole responsibilities that the above product conforms to the applicable requirements of following relevant UK legislation and designed standards.

UK legislation

Electromagnetic Compatibility Regulations 2016
Electrical Equipment (Safety) Regulations 2016

UK Designed Standard

EN 55032:2015 / A1:2020
EN 55035:2017 / A11:2020
EN IEC 61000-3-2:2019/A1:2021
EN 61000-3-3:2013/A2:2021
EN IEC 62368-1:2020 + A11:2020

Yours sincerely,



Antony Chong
Director of Hardware Engineering
Peplink Pte. Limited

Appendix B: UK PSTI Statement of Compliance

For SIM Injector



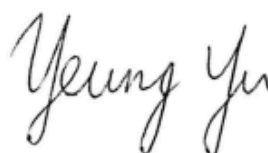
PSTI Statement of Compliance

We hereby declare that the product specified below is fully compliant with the applicable security requirements under Schedule 1 of the Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023 ("PSTI").

Product Description	Peplink SIM Injector
Model	SIM Injector SIM-BK8-4E-56V
Product Code	SIM-BK8-4E-56V
Defined Support Period	5 years up to product's end-of-life date
Manufacturer Name	Pismo Labs Technology Limited
Manufacturer Address	A8, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong

In line with those requirements, please be advised that:

1. Password for the product is to be defined by the user upon their first login.
2. Users can submit a security issues report about any security vulnerabilities by emailing to support@peplink.com or submitting a ticket at Peplink Ticketing System (<https://ticket.peplink.com/>). If submitted by email, users will receive an acknowledgement. In either case, users will receive status updates at the Peplink Ticketing System.
3. We generally provide security updates for up to 5 years after a product's end-of-life date (i.e. a "**defined support period**"). For more information, please visit, <https://www.peplink.com/support/downloads/>



Eddy Yeung
Director for Software Engineering
Issued from Hong Kong
On 03 September 2024

For SIM Injector Mini



PSTI Statement of Compliance

We hereby declare that the product specified below is fully compliant with the applicable security requirements under Schedule 1 of the Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023 ("PSTI").

Product Description	Peplink SIM Injector Mini
Model	SIM Injector Mini SIM-MINI-8-1E
Product Code	SIM-MINI-8-1E
Defined Support Period	5 years up to product's end-of-life date
Manufacturer Name	Pismo Labs Technology Limited
Manufacturer Address	A8, 5/F, HK Spinners Ind. Bldg., Phase 6, 481 Castle Peak Road, Cheung Sha Wan, Kowloon, Hong Kong

In line with those requirements, please be advised that:

1. Password for the product is to be defined by the user upon their first login.
2. Users can submit a security issues report about any security vulnerabilities by emailing to support@peplink.com or submitting a ticket at Peplink Ticketing System (<https://ticket.peplink.com/>). If submitted by email, users will receive an acknowledgement. In either case, users will receive status updates at the Peplink Ticketing System.
3. We generally provide security updates for up to 5 years after a product's end-of-life date (i.e. a **"defined support period"**). For more information, please visit, <https://www.peplink.com/support/downloads/>



Eddy Yeung
Director for Software Engineering
Issued from Hong Kong
On 03 September 2024