POTS Adapter User Manual

August 2025

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1. Introduction

The Peplink POTS adapter allows for the replacement of POTS lines. It can be used with systems that require a POTS line for communication, such as elevators, alarm systems, fax machines, ATMs, emergency call boxes, etc.

1.1 Packing List

Package Content for POTS-ADP-LTE-US-T-PRM:

- 1x POTS Adapter
- 2x LTE Antennas
- 1x 12V 2A 4-Pin Power Supply (ACW-632)

Package Content for POTS-ADP-LTE-US-DC-T-PRM:

- 1x POTS Adapter
- 2x LTE Antennas
- 1x 10ft DC Power Cable (ACW-634)

1.2 Default Login Credentials

Login address: https://192.168.50.1 (via USB-C interface)
Username: admin
Password: admin

1.3 Power Options

The POTS adapter supports dual power options:

- Power Port (4-pin Micro-Fit connector)
- USB-C^

Both power options can be connected simultaneously. The primary power supply is the Power Port. In the event of a Power Port failure, the device will seamlessly transition to the USB-C power source. USB-C can be connected to a battery or a mini UPS to handle power loss events.

^The POTS Adapter does not support charging a power bank through its USB-C connector. It can draw power from a power bank, but it cannot recharge the power bank itself.

1.4 Supported Communication Protocols

- Contact ID
- Pulse 4/2
- Voice: G.711, G.729, AMR, AMR-WB
- Fax: ITU-T.30/V.17/V.29/V.27ter/V.21

1.5 Supported Voice Features

- Audio notifications
- Call Forwarding (CFU/CFB/CFNRy/CFNRc)
- Call Hold
- Call Waiting
- 3-Way Conference
- CLIR per Call
- Speed Dial 8/30
- Call Return
- Call Blocking
- Do Not Disturb
- Caller ID
- VMWI
- DTME

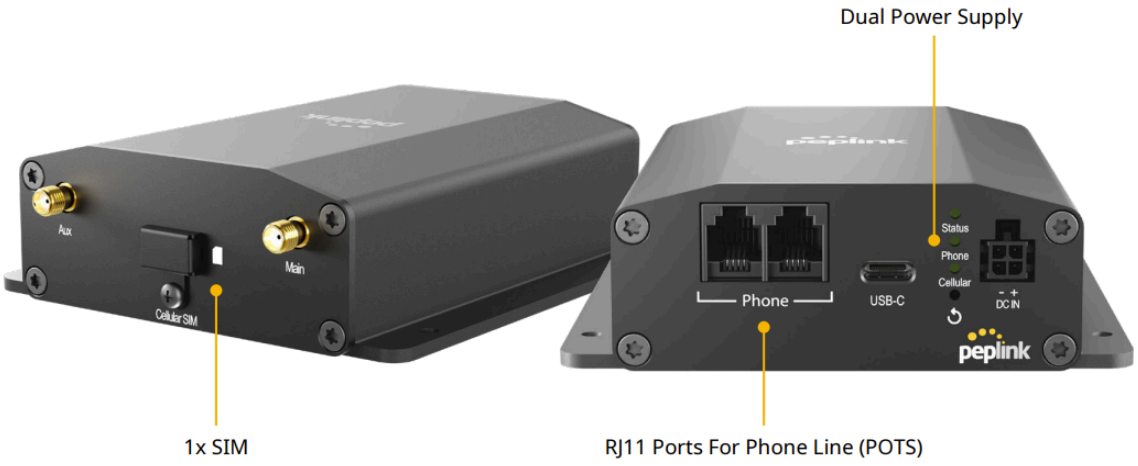
1.6 911 Emergency Calling Limitations

This device operates using VoLTE technology and **DOES NOT** support 911/E911 emergency calling.

Upon initial login to the web interface, users will be presented with a mandatory notification outlining this limitation. To continue with device configuration, users must carefully review the notice and explicitly acknowledge that they understand and accept the restriction on emergency service availability.

2. POTS Adapter Overview

2.1 Panel Appearance



LED Indicator: The statuses indicated by the front panel LEDs are as follows:

Status Indicator		
Status	OFF	Power off
	Red	Booting up
	Steady Green	Ready
	Blinking Green	Upgrading firmware

Cellular Indicators		
Cellular	OFF	No Power or no SIM card inserted
	Blinking Green	Connecting to network(s)
	Steady Green	Connected to network(s)

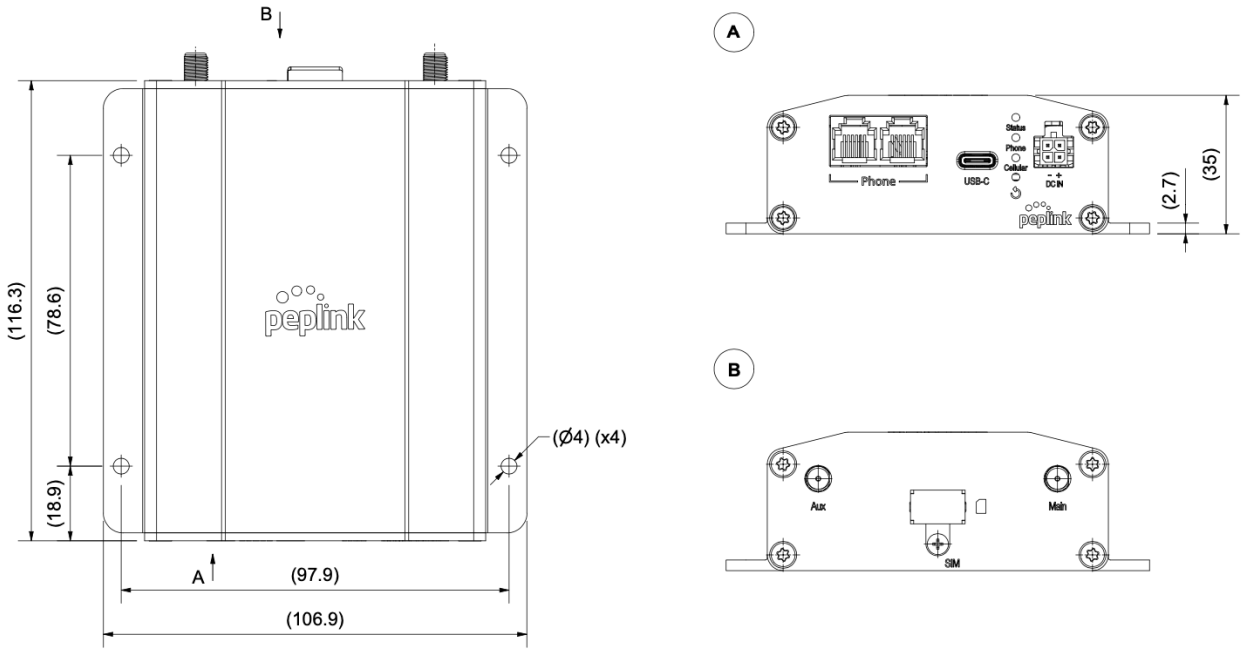
Phone Indicators		
Phone	OFF	No power
	Blinking Green	Device has a Voicemail
	Steady Green	Device is registered successfully and ready for a call

3. POTS Adapter Setup

Step 1: Locate and Mount the POTS Adapter

- Choose a safe and secure location that also provides sufficient room for the installation of cellular antennas and running of cables.
- Place the POTS Adapter antennas ideally away from large metal objects that may obstruct the signal.
- Securely mount the unit after identifying the location. The POTS Adapter can be fixed to a surface by fastening up to 4 screws through the holes on its integrated flange mount.^

^Please refer to the technical drawing below for the hole position details and other related dimensions.



Step 2: Antenna Installation^

- Attach the 2x LTE antennas to the POTS Adapter.
- Place the antennas perpendicular to the ground, pointing straight up.

^If required, install Peplink's Mobility Antennas with an extension cable and position antenna to get a better signal strength.

Step 3: Physical SIM Installation

- Untighten the screw of the SIM cover.
- Insert the physical SIM into the slot.

Step 4: Establish a Phone Line Connection

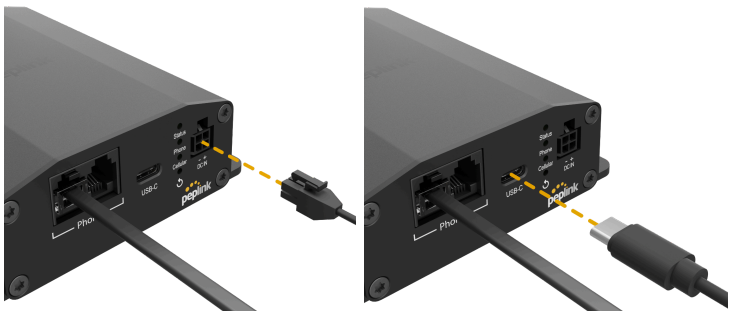
- To connect your “dialer” equipment to the POTS Adapter, you will need a cable with an RJ11 connector at one end and another connector that is compatible with the “dialer” equipment at the other end.
- Plug the RJ11 connector into the "phone" port on the POTS Adapter. This will enable the "dialer" equipment to communicate through the phone line service over VoLTE.

^ A “dialer” equipment refers to all standard POTS equipment which includes but is not limited to fire alarm control panels(FACP), security system alarm panels, elevator emergency phones, gate access phones or intercoms, fax machines, and office telephones.

Warning: Do not connect the RJ-11 phone port of the POTS adapter directly from the wall jack with active voltage. This will damage the device permanently. The “phone” port is only to be connected to a phone device or main console.

Step 5: Power Connection

- The POTS Adapter can be powered up with a single source of a 4-pin Micro-Fit connector or a USB-C (5V@2A) power supply.
- In case of an unforeseen power outage, a dual power setup is recommended for redundancy.



Step 6: **Configure the POTS Adapter**

- Check section 4 of “Access to POTS Adapter Configuration UI” for the detailed methods to access the configuration page.
- Modem settings can be configured in the Web-Admin interface as required.

Step 7: Check the LEDs Indication^

- Once the device is booted up, the "Status" light will turn steady green.
- Once the device is connected to the network, the "Cellular" light will turn steady green.
- Once the device is registered successfully and ready for a call, the “Phone” light will turn steady green.
- When all three green lights are steadily on, the device will now be ready for use.

^Please refer to the section 2.1 of this user manual for detailed information on LED behaviors.

4. Access to POTS Adapter Configuration UI

4.1 Local Access

Step 1: Connect the POTS Adapter to a device accessible to the WEB configuration UI via the USB-C interface.^

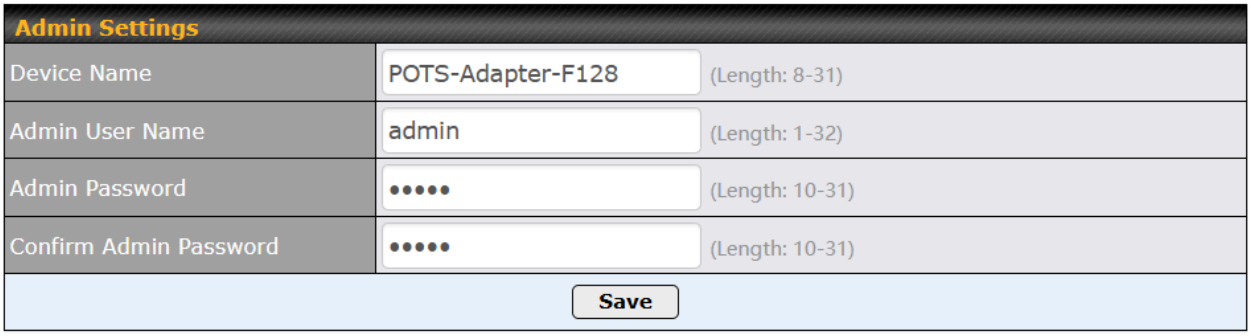
^The POTS Adapter utilizes the Remote Network Driver Interface Specification (RNDIS) to establish a connection with the WEB-based user interface. The RNDIS driver creates a virtual Ethernet link on your computer. Ensure that the RNDIS driver is installed on your computer. Please note that the RNDIS driver is available for Windows OS and Linux OS only. MacOS is not supported.

Step 2: Enter https://192.168.50.1^ as the URL of a browser. A login page will pop up.

^Please note the default IP address could be occupied by the upstream router of the computer. If this is the case, you could change the gateway IP address of the upstream router or use Method 2 to access the configuration UI.

Step 3: Log in to the router with the following information.
Default username: admin
Default password: admin

Step 4: Follow the guide and change the login password.
To change the password for the device, log in to the device > select “Modem Settings” > scroll down to “Admin Settings”. Insert the “Admin Password” and “Confirm Admin Password” and click “Save”.



4.2 Device Status

System Information	
Device Name	POTS-A
Model	POTS Adapter
Product Code	POTS-ADP-LTE-EU-T-PRM
Firmware	1.1.5 build 1719
Hardware Revision	1
Serial Number	2101-
IMSI	5021
IMEI	86
EID	890
ICCID	89
LAN MAC	10:5

Running Status	
Uptime	5 hours 24 minutes 2 seconds
Current System Time	Mon Aug 25 16:31:58 2025
IP Address	100.69.227.200
Global IP Address	
Internet Connection Status	Connected
Voice Registration Status	Unregistered
Power Supply Mode	Both Micro Fit and USB
Remote Assistance	Turn On for 7 days

System Information	
Device Name	This is the name specified in the Device Name field located at **Modem Settings > Admin Settings**.
Model	This shows the model name and number of this device.
Product Code	If your model uses a product code, it will appear here.
Firmware	This shows the firmware version this device is currently running.
Hardware Revision	This shows the hardware version of this device.

Serial Number	This shows the serial number of this device.
IMSI	This is the International Mobile Subscriber Identity which uniquely identifies the SIM card.
IMEI	This is the unique ID for identifying the modem in GSM/HSPA mode.
EID	EID (Embedded Identity Document) is used to activate and manage eSIM.
ICCID	This is a unique number assigned to a SIM card used in a cellular device.
LAN MAC	The MAC address of the device LAN.

Running Status	
Uptime	This shows the length of time since the device has been rebooted.
Current System Time	This shows the current system time.
IP Address	IPv4 address assigned by ISP.
Global IP Address	IPv6 address assigned by ISP.
Internet Connection Status	Device connection status (Connected or Disconnected).
Voice Registration Status	Indicates if the device voice function is ready for operation (Registered or Unregistered).
Power Supply Mode	Type of power supply (USB, Micro Fit or Both Micro Fit and USB).
Remote Assistance	This option is to turn on remote assistance with the time duration.

4.3 LTE Live Data

LTE Live Operational Data	
Nano-SIM	IMSI: 31 ICCID: 89
Peplink eSIM	IMSI: 208 ICCID: 898
BYO eSIM	IMSI: ICCID:
MTN	12
IMEI	8672
Carrier	Verizon
Country/Region	United States of America
Network	LTE
Band	B4 (RSSI:-66 SINR:-2 RSRP:-100 RSRQ:-15)
IP Address	100.
Subnet Mask	255.255.255.240
Default Gateway	100
DNS Servers	198.224.155.135 198.224.153.135
Uptime	1 day, 17 hours 7 minutes 43 seconds
PLMN	311480
TAC	59698
Cell ID	33
E-UTRAN Cell ID	136696865
Channel	2125

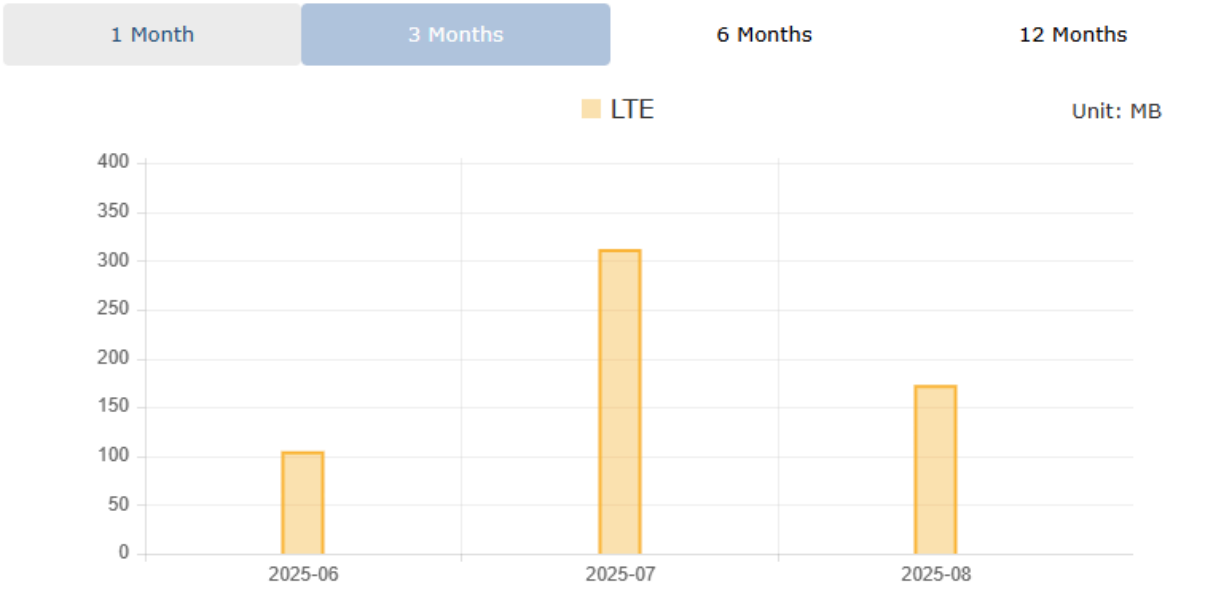
LTE Live Operational Data	
IMSI	This is the International Mobile Subscriber Identity which uniquely identifies the SIM card.
ICCID	This is a unique number assigned to a SIM card used in a cellular device.
MTN	This field is to display the mobile telephone number of the SIM card.
IMEI	This is the unique ID for identifying the modem in GSM/HSPA mode.
Carrier	The service provider of the SIM card.

Country/Region	The country of the service provider.
Network	Type of cellular network connected.
Band	Connected bands (frequencies).
IP Address	IP address assigned by ISP.
Subnet Mask	Subnet Mask of the assigned IP address.
Default Gateway	Access point between this network with ISP.
DNS Servers	IP address of DNS server connected.
Uptime	The amount of time the device connected to ISP.
PLMN	Unique identification of PLMN.
TAC	Type Allocation Code.
Cell ID	Generally unique number used to identify each base transceiver station (BTS) .
E-UTRAN Cell ID	Unique identifier assigned to each cell within the network.
Channel	Channel ID to communicate with the base station.

4.4 LTE Data Usage

LTE Data Usage

On this page, you can view the usage of the device. The specified time frame above allows you to generate a report for the selected period.

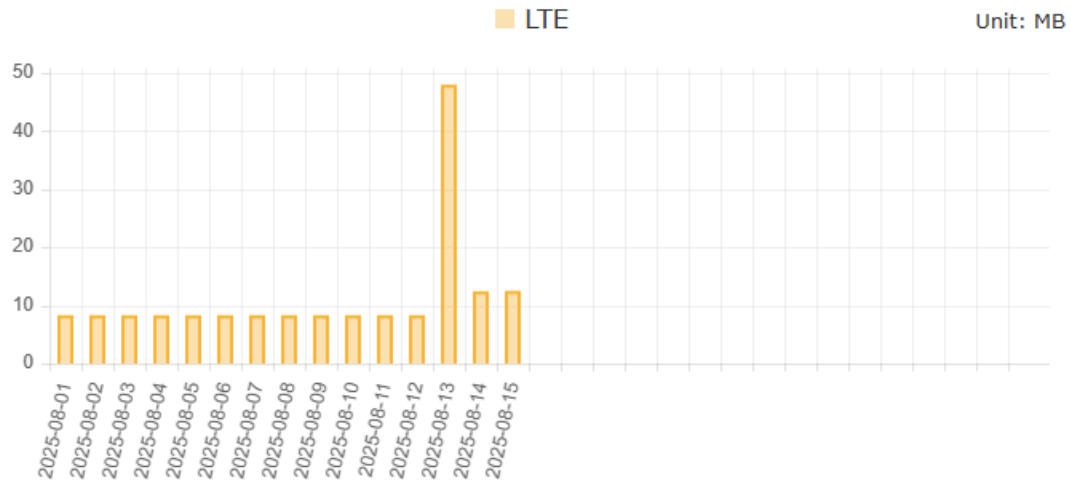


Data Usage Details

Month	LTE	Total Usage	View by Day
2025-06	104.7 MB	104.7 MB	Click here
2025-07	311.7 MB	311.7 MB	Click here
2025-08	172.7 MB	172.7 MB	Click here

Data Usage Details

In this table, you can find additional details displaying the exact usage for the month. To view the daily usage report, you can click on **"Click here"** under **"View by Day"**.



Back to Monthly Summary

Data Usage Details

Date	LTE	Total
2025-08-01	8.3 MB	8.3 MB
2025-08-02	8.3 MB	8.3 MB
2025-08-03	8.3 MB	8.3 MB
2025-08-04	8.3 MB	8.3 MB
2025-08-05	8.3 MB	8.3 MB
2025-08-06	8.3 MB	8.3 MB
2025-08-07	8.3 MB	8.3 MB
2025-08-08	8.3 MB	8.3 MB

4.4 Active Sessions

On this page, you can view all the active outbound and inbound sessions established by the MAX Adaptor.

Session data captured within one minute.

Outbound

Protocol	Source IP	Destination IP	Interface	Idle Time

Total searched results: 0

Inbound

Protocol	Source IP	Destination IP	Interface	Idle Time

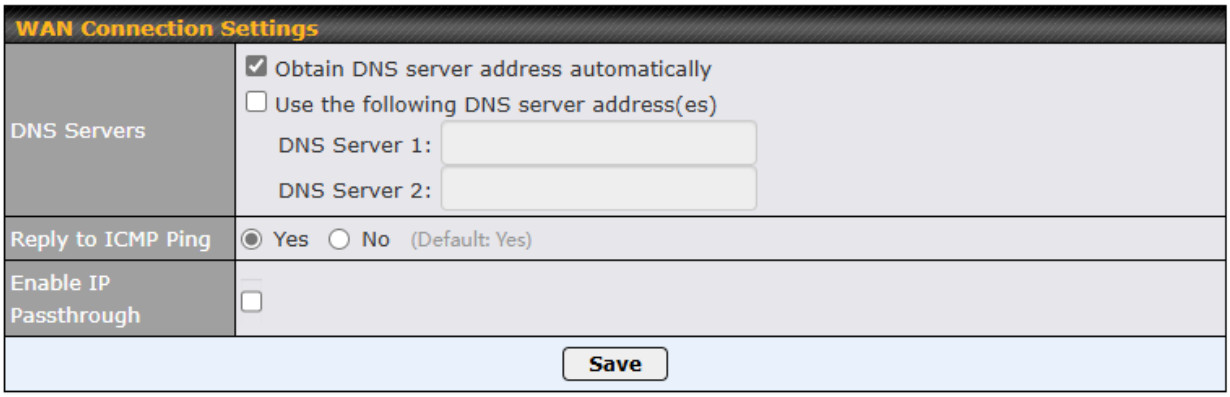
Total searched results: 0

4.5 Modem Settings

LTE Setup		
SIM Card Selection	☑ Nano-SIM Priority: 1 (Range: 1-99, 1 is the highest priority) ☐ Peplink eSIM Priority: 3 (Range: 1-99, 1 is the highest priority)	
Failback to Preferred SIM when	Idle Timeout: 5 (Default: 5 with range 1-1440)	
	Nano-SIM	**Peplink eSIM**
Auto APN	◉ Enabled ○ Disabled (Default: Enabled)	-
APN	diginet (Default: blank)	-
APN IP Type	IPv4v6 (Default: IPv4v6)	-
APN Authentication Type	None (Default: None)	-
APN Username	(Default: blank)	-
APN Password	(Default: blank)	-
Confirm APN Password	(Default: blank)	-
Data Roaming	○ On ◉ Off (Default: Off)	-
Voice Support Indication	-	☐ Enable
SIM PIN (Optional)	(Confirm)	-
Bandwidth Allowance Monitor	☑ Enable	☐ Enable
Action	☐ Reserve for management traffic when usage hits 100% of monthly allowance ☐ Disconnect when usage hits 100% of monthly allowance	
Start Day	On 1st of each month at 00:00 midnight	
Monthly Allowance	0 MB (with range >0)	
Save		

LTE Setup	
SIM Card Selection	This setting allows you to select which type of SIM Card you want to use. You may select **Nano-SIM** or **eSIM**. The default and recommended setting is Auto. You can designate the priority of the SIM cards (Nano-SIM/ Peplink eSIM) and connect to. *Note: Peplink eSIM is a **data-only plan and does not support VoLTE.**
Failback to Preferred SIM when	This option is allowing to switch to another SIM cards when the Cellular WAN reached faillback timeout.
Auto APN	This setting enables you to configure the APN (Access Point Name) settings for your connection. When Auto is enabled, the APN settings should be automatically detected. The connected device will be configured, and the connection will be established automatically. If you encounter any difficulties in establishing the connection, you can choose Custom to manually enter your carrier's APN, Login, Password, and Dial Number settings. The appropriate values can be obtained from your carrier. The default and recommended setting is Auto.
APN / Username / Password / SIM PIN (Optional)	When Auto is selected, the information in these fields will be filled automatically. Select Custom to customize these parameters. The parameter values are determined by and can be obtained from the ISP.
APN IP Type	This setting enables the selection of the PDP type. ● IPv4 ● IPv6 ● IPv4v6 (Dual stack)
APN Authentication Type	Choose from PAP Only or CHAP Only or Both to use those authentication methods exclusively. Select Auto to automatically choose an authentication method.
Data Roaming	This checkbox enables data roaming on this particular SIM card. When data roaming is enabled this option allows you to select in which countries the SIM has a data connection. The option is configured by using MMC (country) codes. Please

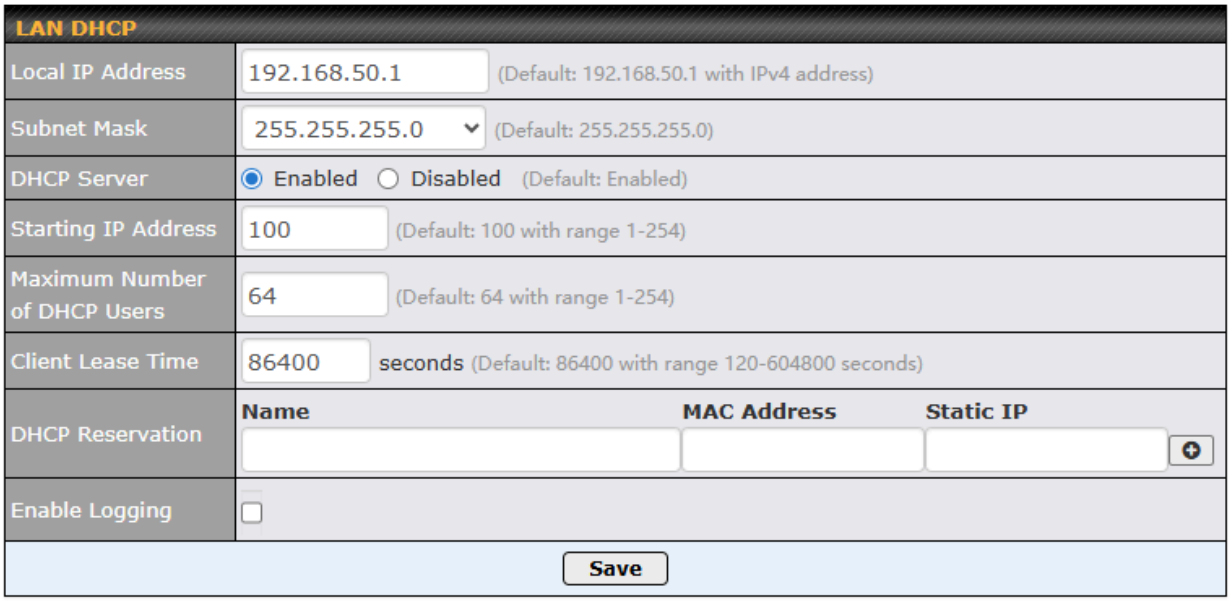
	check your service provider's data roaming policy before proceeding.
Voice Support Indication	This option is for the user to declare if the Peplink eSIM plan is support for VoLTE.
Bandwidth Allowance Monitor	This field is for defining the maximum bandwidth usage allowed for the WAN connection each month.
Action	• **Reserve for management traffic when usage hits 100% of monthly allowance** - Cellular WAN will stay connect and reserve for the management traffic only. • **Disconnect when usage hits 100% of monthly allowance** - cellular WAN connection will be disconnected automatically when the usage hits the monthly allowance. It will not resume connection unless this option has been turned off or the usage has been reset when a new billing cycle starts.
Start Day	This option allows you to define which day of the month each billing cycle begins.
Monthly Allowance	This field is for defining the maximum bandwidth usage allowed for the WAN connection each month.



WAN Connection Settings	
DNS Servers	Each ISP may provide a set of DNS servers for DNS lookups. This setting specifies the

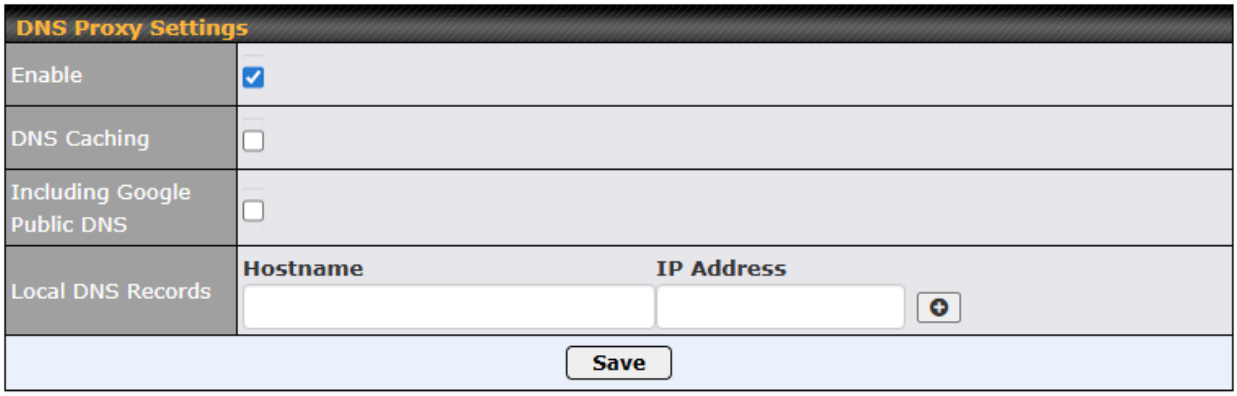
	DNS (Domain Name System) servers to be used when a DNS lookup is routed through this connection. Selecting **Obtain DNS server address automatically** results in the DNS servers being assigned by the WAN DHCP server to be used for outbound DNS lookups over the connection. (The DNS servers are obtained along with the WAN IP address assigned from the DHCP server.) When **Use the following DNS server address(es)** is selected, you may enter custom DNS server addresses for this WAN connection into the DNS Server 1 and DNS Server 2 fields.
Reply to ICMP Ping	If the checkbox is **unticked**, this option is disabled and the system will not reply to any ICMP ping echo requests to the WAN IP addresses of this WAN connection. Default: **ticked** (Yes)
Enable IP Passthrough	When this **IP Passthrough** option is active, after the ethernet WAN connection is up, the router's DHCP server will offer the connection's IP address to one LAN client. All incoming or outgoing traffic will be routed without NAT. Regardless the WAN connection's state, the router always binds to the LAN IP address (Default: 192.168.50.1). So when the ethernet WAN is connected, the LAN client could access the router's web admin by manually configuring its IP address to the same subnet as the router's LAN IP address (e.g. 192.168.50.10). Note: when this option is firstly enabled, the LAN client may not be able to refresh its IP address to the ethernet WAN IP address in a

	timely fashion. The LAN client may have to manually renew its IP address from DHCP server. After this option is enabled, the DHCP lease time will be 2 minutes. I.e. the LAN client could refresh its IP address and access the network at most one minute after the ethernet WAN connection goes up.



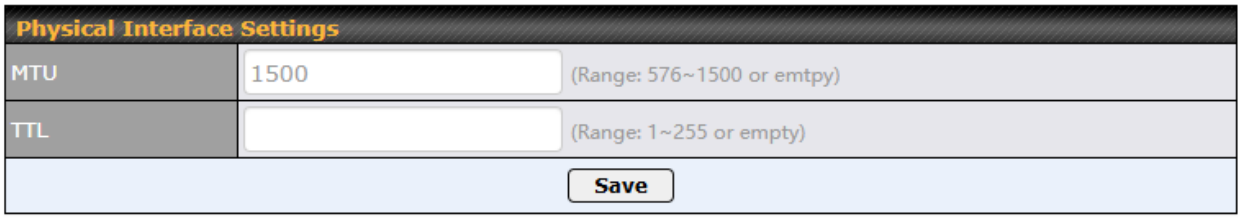
LAN DHCP	
Local IP Address	IP address of the POTS Adapter on the USB-C.
Subnet Mask	Subnet Mask of the POTS Adapter on the USB-C.
DHCP Server	When this setting is enabled, the POTS Adapter DHCP server automatically assigns an IP address to each computer that is connected via USB-C and configured to obtain an IP address via DHCP. The POTS Adapter's DHCP server can prevent IP address collisions on the USB-C.
Starting IP Address	Starting IP address to be assigned.
Maximum Number of DHCP Users	The maximum number of users can be assigned.

Client Lease Time	The amount of time before the DHCP server reclaims an IP address.
DHCP reservation	This setting reserves the assignment of fixed IP addresses for a list of computers on the LAN. The computers to be assigned fixed IP addresses on the LAN are identified by their MAC addresses. The fixed IP address assignment is displayed as a cross-reference list between the computers' names, MAC addresses, and fixed IP addresses. **Name** (an optional field) allows you to specify a name to represent the device. **MAC addresses** should be in the format of 00:AA:BB:CC:DD:EE.
Enable Logging	Enable logging of DHCP Relay events in the event log by selecting the checkbox.

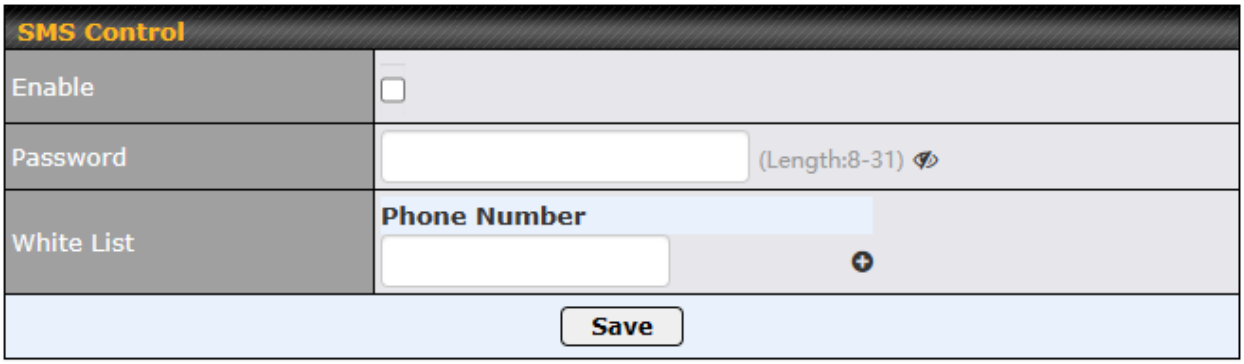


DNS Proxy Settings	
Enable	Enable the DNS proxy feature.
DNS Caching	This field is to enable DNS caching on the built-in DNS proxy server. When the option is enabled, queried DNS replies will be cached until the records' TTL has been reached. This feature can help improve DNS lookup time. However, it cannot return the most up-to-date result for those frequently updated DNS records. By default, DNS Caching is disabled.

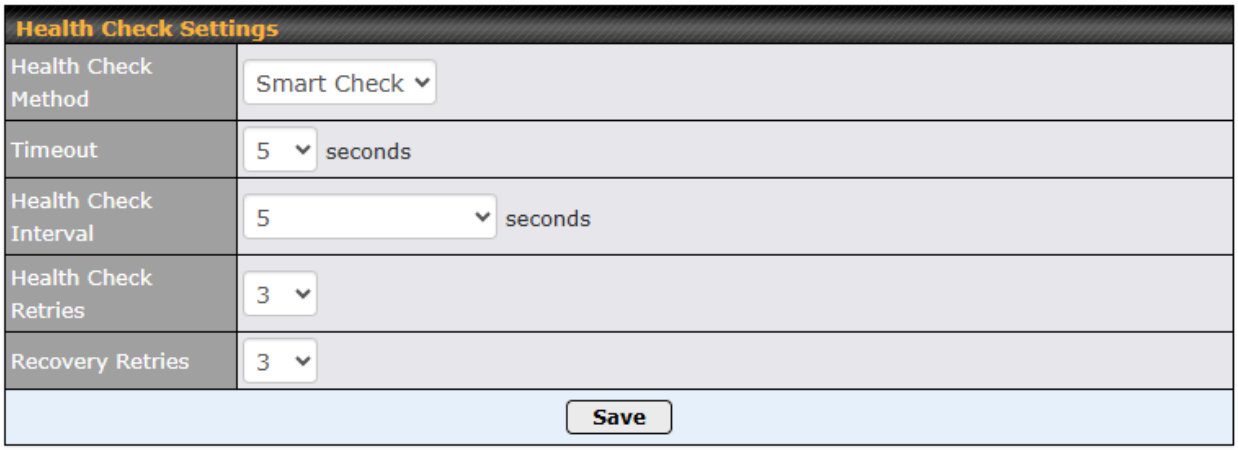
Include Google Public DNS Servers	When this option is enabled, the DNS proxy server will also forward DNS requests to Google's Public DNS Servers, in addition to the DNS servers defined in each WAN. This could increase the DNS service's availability. This setting is disabled by default.
Local DNS Records	This table is for defining custom local DNS records. A static local DNS record consists of a host name and IP address. When looking up the host name from the LAN to LAN IP of the Pepwave router, the corresponding IP address will be returned. Press  to create a new record. Press  to remove a record.



Physical Interface Settings	
MTU	This field is for specifying the Maximum Transmission Unit value of the WAN connection. An excessive MTU value can cause file downloads stall shortly after connected. You may consult your ISP for the connection's MTU value. Default value is 1500. (Range: 576-1500 or empty as default).
TTL	TTL is a setting in network packets that determines how long a packet is allowed to travel before being discarded. (Range: 1-255 or empty as default).

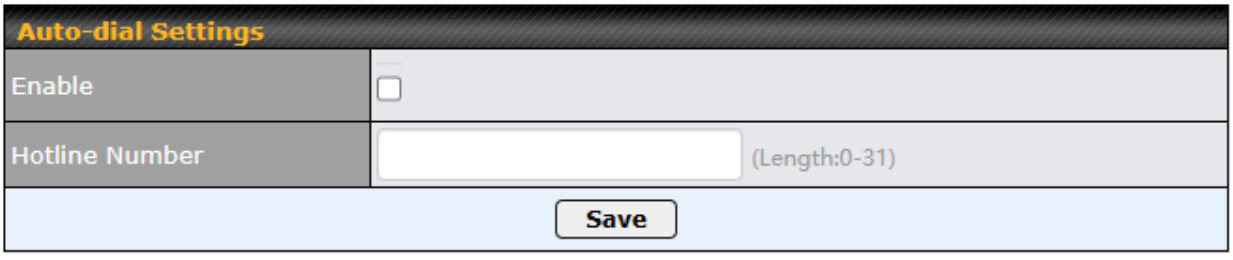


SMS Control	
Enable	Enable device control using SMS messages.
Password	Create a password which must be in each SMS sent command.
White List	Enter phone numbers which can send SMS commands.



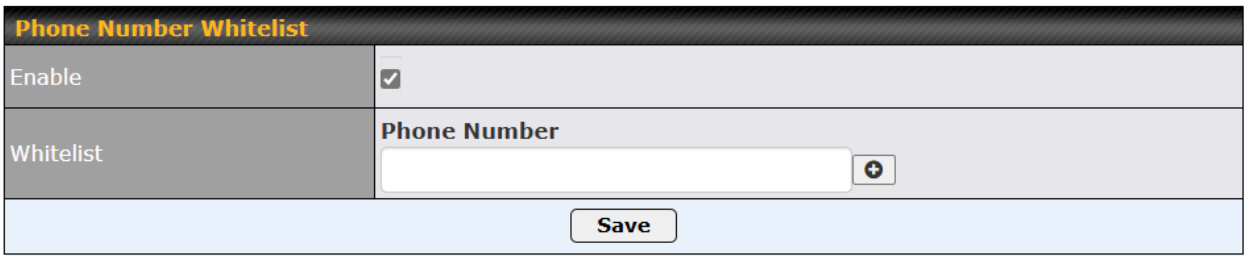
Health Check Settings	
Health Check Method	This setting specifies the health check method for the Cellular WAN connection. This value can be configured as **Disabled**, **PING**, **DNS Lookup**, **SmartCheck**, or **HTTP**. The default method is **SmartCheck**.

Timeout	This setting specifies the timeout in seconds for ping/DNS lookup requests. The default timeout is **5 seconds**.
Health Check Interval	This setting specifies the time interval in seconds between ping or DNS lookup requests. The default health check interval is **5 seconds**.
Health Check Retries	This setting specifies the number of consecutive **ping**/**DNS** lookup timeouts after which the POTS Adapter will treat the corresponding Cellular WAN connection as down. Default health retries is set to **3**. Using the default **Health Retries** setting of **3**, the corresponding Cellular WAN connection will be treated as down after three consecutive timeouts.
Recovery Retries	This setting specifies the number of consecutive successful ping/DNS lookup responses that must be received before the POTS Adapter treats a previously down WAN connection as up again. By default, **Recover Retries** is set to **3**. Using the default setting, a WAN connection that is treated as down will be considered as up again upon receiving three consecutive successful ping/DNS lookup responses.

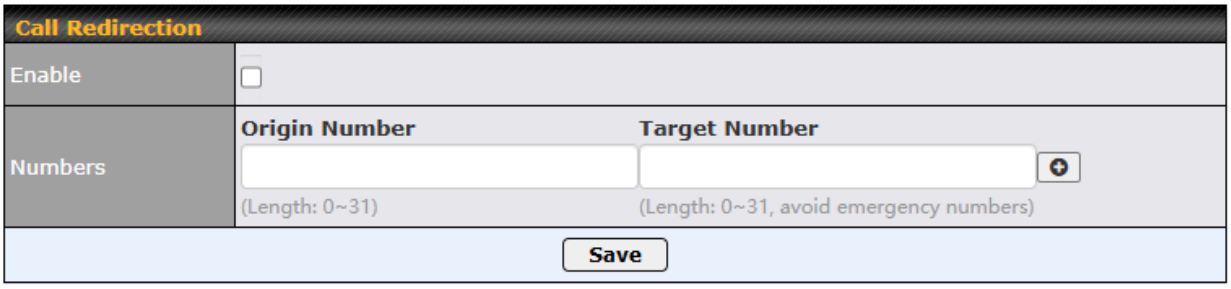


Auto-dial Settings	
Enable	Enable auto-dial feature.

Hotline Number	Auto-dials to predefined numbers once the device goes off-hook.



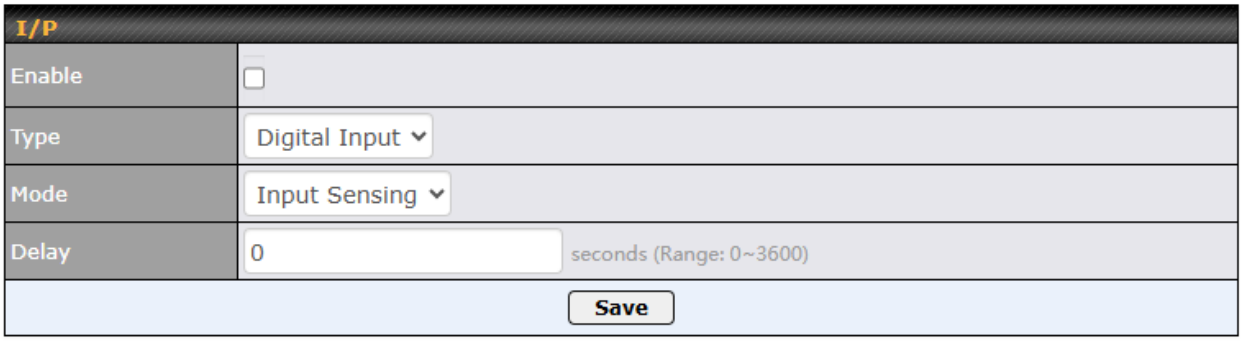
Phone Number Whitelist	
Enable	Enable a whitelist for managing permitted VoLTE calls.
Whitelist	Press ⊕ to add new phone number to the list.



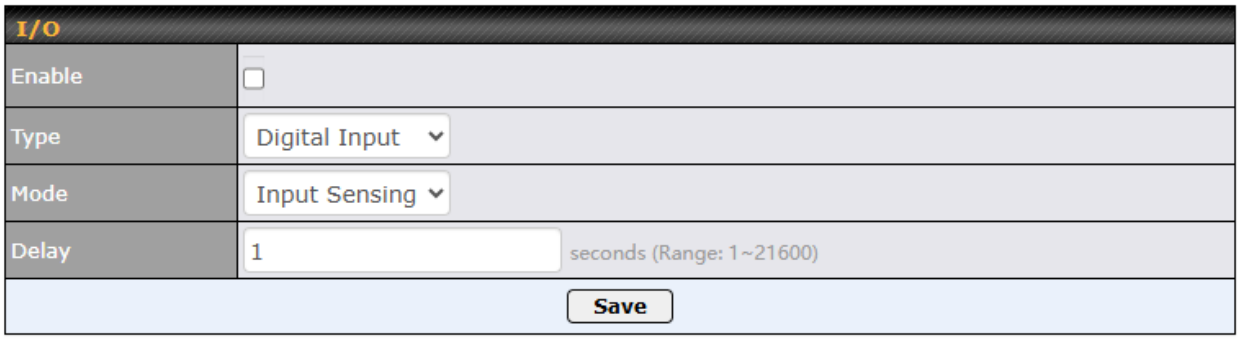
Call Redirection	
Enable	Enable call redirection.
Numbers	Redirect call from origin Number to Target Number. Press ⊕ to add a redirection list.

Voice Settings	
Data Mode	Data Mode is used for **voice-band data transmission** (e.g., alarm systems, fax, modems) over VoIP. Data transmission via VoIP works best with the **G.711 codec**, which has low distortion. However, in some cases—such as when the terminal is unaware of the need for G.711 or when the network changes the codec—G.711 may not be used, causing transmission failures. Enabling **Data Mode** forces the local side to use G.711 and provides parameters to fine-tune audio: • **Data Mode Tx Gain** – Adjusts the outgoing signal level. • **Data Mode Rx Gain** – Adjusts the incoming signal level. • **Data Mode Echo Cancellation Enable** – Suppresses echo, but may affect the Tx data signal. If echo is not an issue and transmission is poor, disabling it may help. **Notes:** Some networks may reject a G.711-only configuration. When used as a fax/modem receiver, the POTS Adapter usually detects tones, switches to G.711 automatically, and

	applies built-in DSP parameters—making Data Mode unnecessary. If both ends fail to detect a fax/modem transmission, enabling Data Mode can help. For low-rate modems, try: **Rx Gain = –15 dB, Echo Cancellation = Disabled**.
CPC (Calling Party Control)	CPC, also called **Disconnect Supervision** or **Open Loop Disconnect**, signals connected equipment that the calling party has ended the call. This allows the equipment to release the current line and accept or place a new call. If the connected equipment requires CPC to automatically end an incoming call, enable **CPC Enable** and set **CPC Duration** according to the equipment's specifications.

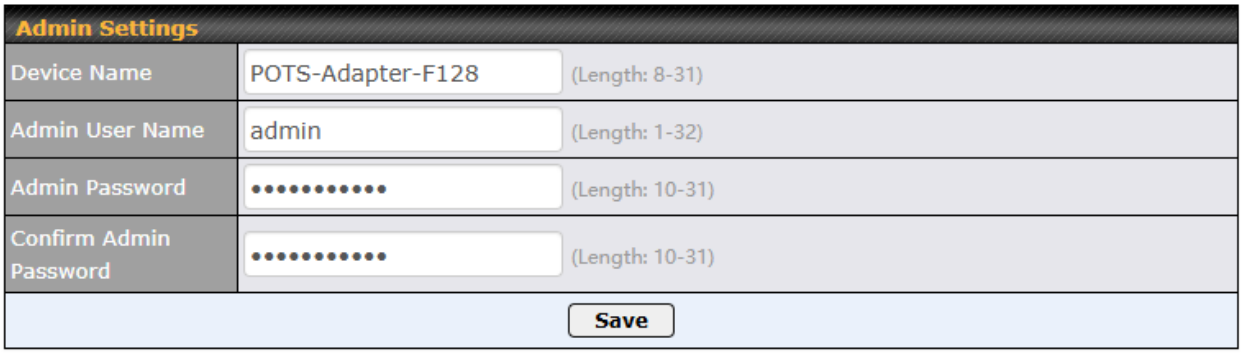


I/P	
Enable	Enable Digital Input / Input Sensing to read the external input and determine if the settings should be 'High' (on) or 'Low' (off).
Type	Digital Input
Mode	Input Sensing
Delay	The time in seconds that the POTS adapter stays powered on after the ignition is turned off



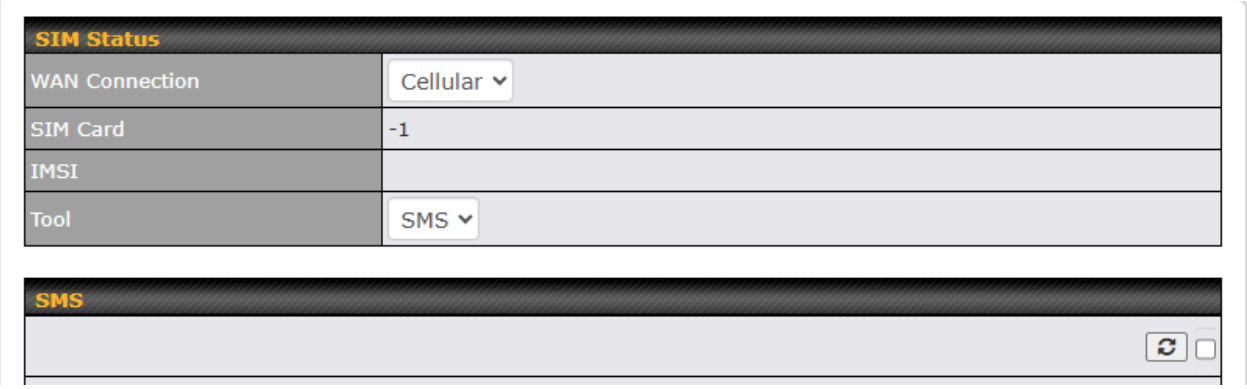
I/O	
Enable	Enable Digital Input / Digital Output
Type	Digital Input / Digital Output
Mode	Digital Input - Input Sensing Digital Output - WAN status / Toggle High /Toggle Low (Digital Output – when there is a healthy WAN connection, the output pin is marked as ‘High’ (on). Otherwise, it will be marked as ‘Low’ (off).)
Delay	The time in seconds that the POTS adapter stays powered on after the ignition is turned off

Note: I/P and I/O are only supported on Hardware 2 devices.



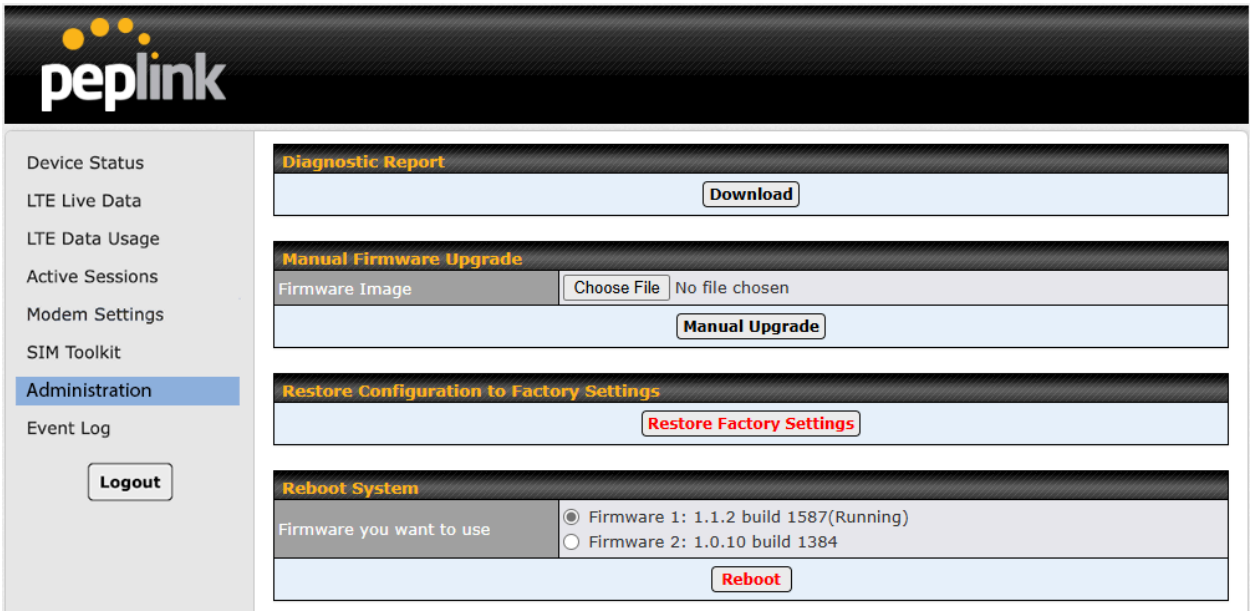
Admin Settings	
Device Name	Device Name to display.
Admin User Name	Username for login to the device.
Admin Password	Password for login to the device.
Confirm Admin Password	Re-type password to ensure the password is matched.

4.6 SIM Toolkit



Allow the user to read SMS (text) messages that have been sent to the SIM in the POTS adapter.

4.7 Administration

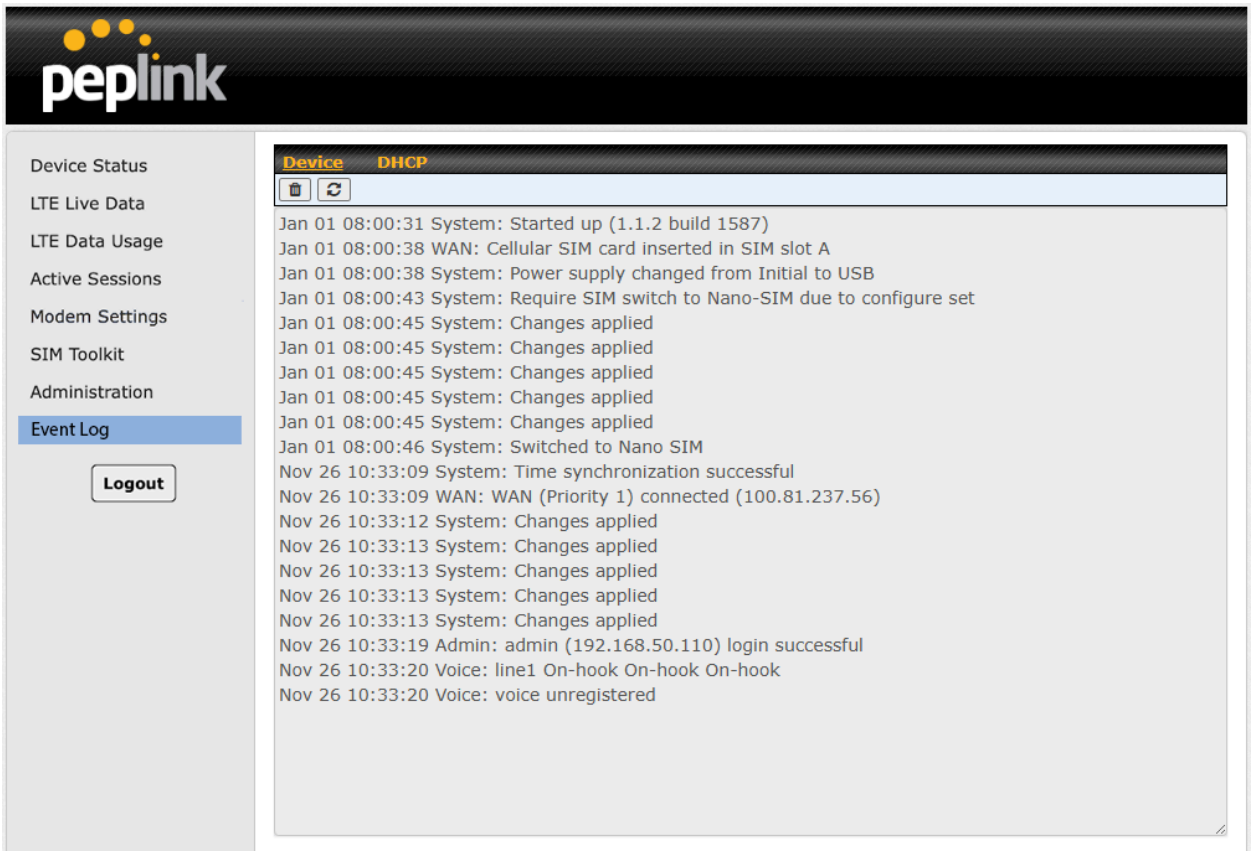


Administration	
Diagnostic Report	The **Download** link is for exporting a diagnostic report file required for system investigation.
Manual Firmware Update	To update the device firmware, download a firmware file into your PC and upload it here to perform a manual download.
Restore Configuration to Factory Settings	The Restore Factory Settings button is to reset the configuration to factory default settings. After clicking the button, you will need to click the **"OK"** button on the top pop up to make the settings effective.
Reboot System	Reboot button for restarting the system. For maximum reliability, the POTS Adapter can be equipped with two copies of firmware, and each copy can be a different version. You can select the firmware version you would like to reboot the device with. The firmware marked with **(Running)** is the current system boot up firmware.

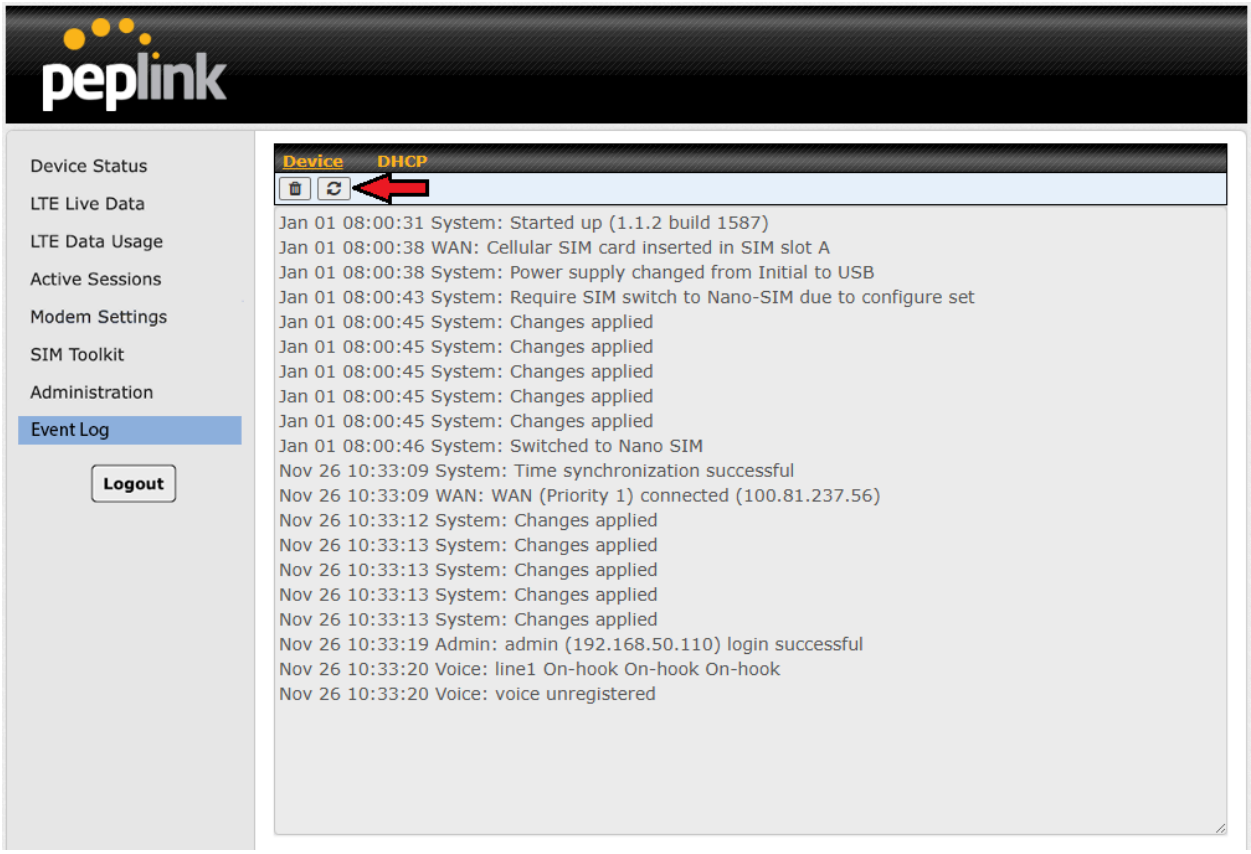
	Please note that a firmware upgrade will always replace the inactive firmware partition.

4.7 Event Logging

The log section displays a list of events that have taken place on the POTS Adapter.



Check the Refresh button to refresh log entries manually. Click on the Delete button to clear the log.


peplink
Device Status
LTE Live Data
LTE Data Usage
Active Sessions
Modem Settings
SIM Toolkit
Administration
Event Log
Logout
Device
DHCP
Jan 01 08:00:31 System: Started up (1.1.2 build 1587)
Jan 01 08:00:38 WAN: Cellular SIM card inserted in SIM slot A
Jan 01 08:00:38 System: Power supply changed from Initial to USB
Jan 01 08:00:43 System: Require SIM switch to Nano-SIM due to configure set
Jan 01 08:00:45 System: Changes applied
Jan 01 08:00:45 System: Changes applied
Jan 01 08:00:45 System: Changes applied
Jan 01 08:00:45 System: Changes applied
Jan 01 08:00:45 System: Changes applied
Jan 01 08:00:46 System: Switched to Nano SIM
Nov 26 10:33:09 System: Time synchronization successful
Nov 26 10:33:09 WAN: WAN (Priority 1) connected (100.81.237.56)
Nov 26 10:33:12 System: Changes applied
Nov 26 10:33:13 System: Changes applied
Nov 26 10:33:13 System: Changes applied
Nov 26 10:33:13 System: Changes applied
Nov 26 10:33:13 System: Changes applied
Nov 26 10:33:19 Admin: admin (192.168.50.110) login successful
Nov 26 10:33:20 Voice: line1 On-hook On-hook On-hook
Nov 26 10:33:20 Voice: voice unregistered

5. Declaration

FCC Requirements for Operation in the United States
Federal Communications Commission (FCC) Compliance Notice:

For POTS Adapter

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.

Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Appendix A: Call Supplementary Services

Call Timers

Timers	Duration	Description
Off-Hook No-Dial Timer	30s	The maximum time to wait for a user to dial numbers while off-hook.
Inter-Digit Timer	3s	This timer specifies the default maximum time allowed between dialed digits.
No-Answer Timer	90s	The maximum time to wait for a user to answer an incoming call. A busy response will be sent to the calling party when it times out.
Off-Hook Warning Timer	30s	If a user takes a phone off-hook but does not dial any digits, or if a call ends and the user doesn't hang up for a long time, this timer specifies the maximum time before warning the user that the phone is still off-hook.
Hold Reminder Timer	15s	When a call is placed on hold for a long time, the hold reminder timer will alert the user of the held call after a timeout. This timer specifies the maximum time before reminding the user.
Call Waiting No-Answer Timer	30s	The maximum time to wait for a user to answer an incoming call while on an active call. A busy response will be sent to the calling party when it times out.
Off-Hook Hangup Warning Timer	300s	This timer specifies the maximum time to warn the user that the phone has been off-hook for too long. It is an intermittent timer.

Star Codes

Feature/ Service	T-Mobile	AT&T	Verizon	Code (General)	Description
Activate CFU	*72DN			N/A	Activate Call Forward Unconditional
Deactivate CFU	*73			N/A	Deactivate Call Forward Unconditional
Activate CFNRy	*42DN	*92DN		N/A	Activate Call Forward No Reply
Deactivate CFNRy	*93			N/A	Disable and Erase Call Forward No Reply
Activate CFB	*40DN	*90DN		N/A	Activate Call Forward Busy
Deactivate CFB	*91			N/A	Disable and Erase Call Forward Busy
Activate CFNRc	*62*DN#	*372DN	Not applicable	N/A	Activate Call Forward when not reachable
Deactivate CFNRc	##62#	*373	Not applicable	N/A	Deactivate Call Forward when not Reachable
Activate CLIR per Call	*67DN			#31#DN	Activate Calling Line Identification Restriction for Outgoing Calls
Deactivate CLIR per Call	*82DN			N/A	Deactivate Calling Line Identification Restriction for Outgoing Calls
Cancel Call Waiting per Call	*70DN			*70DN	Deactivate the Call Waiting Feature for the Duration of An Outgoing Call
Activate Call Waiting	Not applicable	*371	Not applicable	N/A	Activate Call Waiting for All Calls
Deactivate Call Waiting	Not applicable	*370	Not applicable	N/A	Deactivate Call Waiting for All Calls
Activate Call Block	*60DN				Block Incoming Calls from the Dialed Number
Deactivate Call Block	*80DN				Unblock Incoming Calls from the Dialed Number
Activate Speed Dial 8	*74[2-9]DN				Configure Speed Dial 8-Change List
Activate Speed	*75[20-49]DN				Configure Speed Dial

Dial 30		30-Change List
Activate Do Not Disturb	*78	Prevent All Incoming Calls from Ringing, Giving Callers a Busy Signal
Deactivate Do Not Disturb	*79	Don't Prevent All Incoming Calls from Ringing
Redial Last dialled number	*66	Places A Call to the Phone Number of the Last Dialed Number
Call Last incoming Number	*69	Places a Call to the Phone Number of the Last Call You Received

Note:

1. DN - Dialed number.

*2. For VZW, *73, 93, and 91 have the same effect of stopping all forwarding calls (CFU/CFNRy/CFB).*

3. Call Supplementary Services were tested only on T-Mobile, AT&T and Verizon networks.

Phone Operations

1	**Dial Call**	**How to dial a phone number:** ● Local call – dial the 7-digit local number ● Long distance – dial the 10-digit phone number (area code + local number) ● International – dial 011 + country code + city code + number **To make outgoing calls:** 1. Pick up the handset of the connected phone. 2. Dial the number directly and wait for 3 seconds (default “Inter-Digit Timer Timeout”); or 3. Dial the number directly and press #.
2	**Hold/Resume Call**	**While on an active call:** 1. Press the “Flash” button on the analog phone (if the phone has that button) to place the call on hold. 2. Press the “Flash” button again to release the previously held caller and resume the conversation. *Note: If no “Flash” button is available, use “Hook Flash” (toggle the on-off hook quickly).*
3	**Dial Second Call**	**While on an active call:** 1. Press the “Flash” button (or “Hook Flash”) to place the call on hold. The user can hear a dial tone. 2. Dial another number on the phone to connect the second call.
4	**Pick Up Incoming Second Call**	**While on an active call, if the second call is incoming:** 1. A call waiting tone is played on the phone. 2. Press the “Flash” button (or "Hook Flash") to pick up the second call; the first call will be on hold.
4	**Call Switch**	**While on two active calls (one active call and one held call):** The user can press the “Flash” button (or "Hook Flash") to toggle between calls.
5	**3-Way Conference**	**While on an active call and the conference feature is enabled:** 1. Dial the second call and connect successfully. 2. The user can press the “Flash” button (or "Hook Flash") to add the two calls to the conference. 3. Replace the handset on the phone (ON-HOOK) to end the conference.
6	**Use Feature Codes to**	**Feature Codes** are entered through the phone keypad to control the configuration of certain features.

	Activate/Deactivate Call Services	To use a Feature Code, pick up the handset and enter the applicable code (see the feature codes table).
7	**Last Call Return**	**In order to call back the latest incoming number:** 1. Pick up the handset of the connected phone (Off-hook). 2. After hearing the dial tone, input "*69" (see feature codes table). 3. Your phone will automatically call back the latest incoming number.
8	**Redial the Last Dialled Call**	1. Pick up the handset (Off-hook). Press *66. 2. Wait for the call to be connected.
9	**Deactivate per-call Call Waiting**	**How to disable Call Waiting for a Single Call:** 1. Pick up the handset (Off-hook). Press *70 (see feature codes table) + phone number. 2. Call Waiting is disabled for the current call. 3. Call Waiting service remains active after the next phone call.
10	**Speed Dial 8**	Speed Dial 8 allows you to set up to eight frequently dialed or hard-to-remember long strings of digits that can be called with the push of a button. Users can then use the single digit instead of the full number to place calls. **To program the Speed Dial list:** 1. Pick up the handset (Off-hook). Press *74 + speed dial code (2-9) + phone number (example: *742123456789; this will register speed code 2 with the number 123456789). 2. A voice will confirm when the operation is successful. **To add/change a number, repeat the steps above.** **To delete a number from the Speed Dial list:** 1. Pick up the handset (Off-hook). Press *74 + speed dial code (2-9) (example: *742; this will unregister speed code 2). 2. A voice will confirm when the operation is successful. **To call a number from the Speed Dial list:** 1. Pick up the handset (Off-hook), then dial the one-digit speed code (2-9) followed by #. 2. Wait for the call to be connected.

11	**Speed Dial 30**	Speed Dial 30 works much like Speed Dial 8 but can store up to 30 numbers. Speed Dial 30 allows users to call those numbers by dialing only two digits. **To program the Speed Dial list:** 1. Pick up the handset (Off-hook). Press *75 + speed dial code (20-49) + phone number (example: *7420123456789; this will register speed code 20 with the number 123456789). 2. A voice will confirm when the operation is successful. **To add/change a number, repeat the steps above.** **To delete a Speed Dial list:** 1. Pick up the handset (Off-hook). Press *75 + speed dial code (20-49) (example: *7521; this will unregister speed code 21). 2. A voice will confirm when the operation is successful. **To call a number from the Speed Dial list:** 1. Pick up the handset (Off-hook), then dial the two-digit speed code (20-49) followed by #. 2. Wait for the call to be connected.
12	**Do Not Disturb**	**DND Codes:** ● To enable Do Not Disturb: Pick up the handset (Off-hook). Press *78. A voice will confirm when the operation is successful. ● To disable Do Not Disturb: Pick up the handset (Off-hook). Press *79. A voice will confirm when the operation is successful.
13	**Call Blocking**	**Call Blocking:** ● To add a blocked number: Pick up the handset (Off-hook). Press *60 + phone number. A voice will confirm when the operation is successful. ● To delete a blocked number: Pick up the handset (Off-hook). Press *80 + phone number. A voice will confirm when the operation is successful.

Audio Notifications

1	**First-time activation:** Audio: “Congratulations, your device is now ready to be used.” ● Play when the connected home phone is picked up. ● It should be presented during the first-time activation (this includes activation after a factory reset). ● Dial tone should follow.
2	**No data connection detected:** Audio: “We seem to be having issues connecting to the mobile network. Please ensure your mobile network signal is good.” ● Play when LineLink is unable to connect to the IMS server.
3	**SIM Card not detected:** Audio: “We seem to be having issues detecting your SIM card. Ensure your SIM card is properly inserted into your device and reboot your device.”
4	**SIM Card not provisioned:** Audio: “There seems to be an issue with the activation on this SIM card. Please ensure you have an activated SIM card and reboot your device.”
5	**Successfully set up Call Forwarding:** Audio: “Call forwarding successfully configured,” followed by 2 fast beeps.
6	**Successfully canceled Call Forwarding:** Audio: “Call forwarding successfully deactivated,” followed by 2 fast beeps.
7	**Failed to set up Call Forwarding:** Audio: “Call forwarding has failed to configure,” followed by 2 fast beeps.
8	**Failed to cancel Call Forwarding:** Audio: “Call forwarding has failed to deactivate,” followed by 2 fast beeps.
9	**Successfully set up call waiting:** Audio: “Call waiting successfully configured,” followed by 2 fast beeps.
10	**Successfully canceled call waiting:** Audio: “Call waiting successfully deactivated,” followed by 2 fast beeps.
11	**Failed to set up call waiting:** Audio: “Call waiting has failed to configure,” followed by 2 fast beeps.
12	**Failed to cancel call waiting:** Audio: “Call waiting has failed to deactivate,” followed by 2 fast beeps.