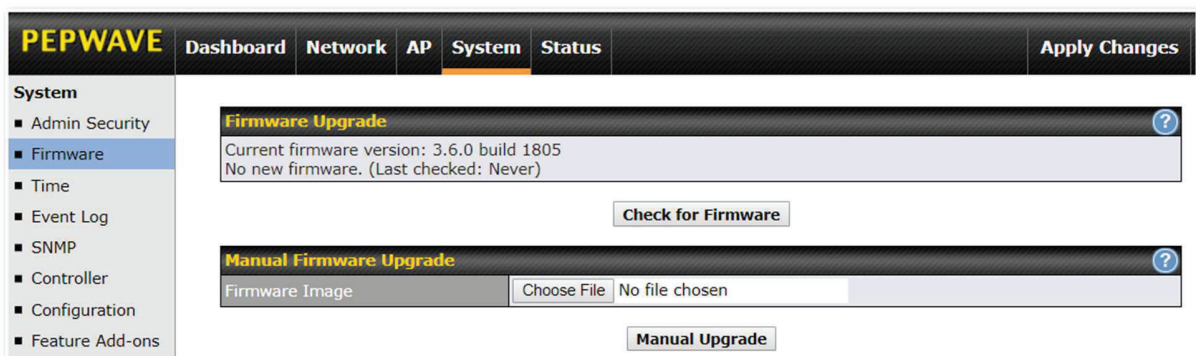| Name	
Admin Password	This field allows you to specify a new administrator password.
Confirm Admin Password	This field allows you to verify and confirm the new administrator password.
Web Session Timeout	A web login session will be logged out automatically when it has been idle longer than the Web Session Timeout Unlimited session timeout: 0 hours 0 minutes Default: 4 hours 0 minutes
Security	This option is for specifying the protocol(s) through which the web admin interface can be accessed: ● HTTP ● HTTPS ● HTTP/HTTPS
Web Admin Port	This field is for specifying the port number on which the web admin interface can be accessed.
Allowed Source IP Subnets	This option is for specifying the IP subnets through which the web admin interface can be accessed.
Language	Set language of the Web Interface

9.2   Firmware

There are two ways to upgrade the unit. The first method is through an online download. The second method is to upload a firmware file manually.

To perform an online download, click on the **Check for Firmware** button. The Access Point will check online for new firmware. If new firmware is available, the Access Point automatically
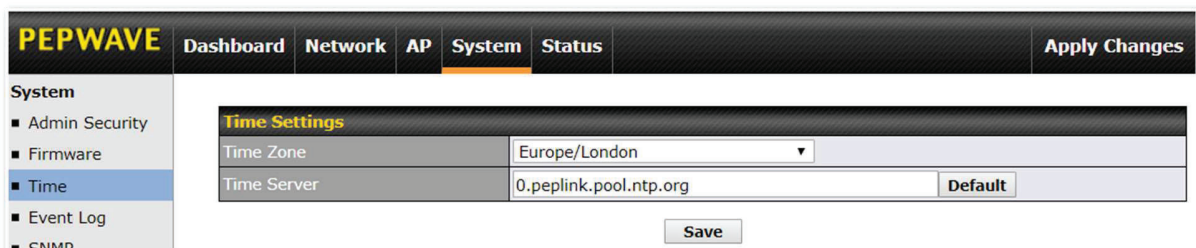
downloads the firmware. The rest of the upgrade process will be automatically initiated.

You may also download a firmware image from the Peplink website and update the unit manually. To update using a firmware image, click **Choose File** to select the firmware file from the local computer, and then click **Manual Upgrade** to send the firmware to the Access Point. It will then automatically initiate the firmware upgrade process.

Please note that all devices can store two different firmware versions in two different partitions. A firmware upgrade will always replace the inactive partition. If you want to keep the inactive firmware, you can simply reboot your device with the inactive firmware and then perform the firmware upgrade.

Firmware Upgrade Status
Status LED Information during firmware upgrade: ● OFF – Firmware upgrade in progress (DO NOT disconnect power.) ● Red – Unit is rebooting ● Green – Firmware upgrade successfully completed

Important Note
The firmware upgrade process may not necessarily preserve the previous configuration, and the behavior varies on a case-by-case basis. Consult the release notes for the particular firmware version before installing. Do not disconnect the power during the firmware upgrade process. Do not attempt to upload a non-firmware file or a firmware file that is not supported by Peplink. Upgrading the Peplink Balance with an invalid firmware file will damage the unit and may void the warranty.

9.3   Time

The time server functionality enables the system clock of the Access Point to be synchronized with a specified time server. The settings for time server configuration are located at **System>Time**.

9.4   Event Log

Event log functionality enables event logging at a specified remote syslog server. The settings for configuring the remote system log can be found at **System>Event Log**.

Remote Syslog Settings	
Remote Syslog	This setting specifies whether or not to log events at the specified remote syslog server.
Remote Syslog Host	This setting specifies the IP address or hostname of the remote syslog server. Port: Default 514

9.5   SNMP

SNMP or simple network management protocol is an open standard that can be used to collect information about the Peplink Balance unit. SNMP configuration is located at **System>SNMP**.

SNMP Settings	
SNMP Device Name	This field shows the router name defined at **System>Admin Security**.
SNMP Port	This option specifies the port which SNMP will use. The default port is **161**.
SNMPv1	This option allows you to enable SNMP version 1.
SNMPv2	This option allows you to enable SNMP version 2.
SNMPv3	This option allows you to enable SNMP version 3.

To add a community for either SNMPv1 or SNMPv2, click the **Add SNMP Community** button in the **Community Name** table, upon which the following screen is displayed:

SNMP Community Settings	
Community Name	This setting specifies the SNMP community name.
IP Address & IP mask	This setting specifies a subnet from which access to the SNMP server is allowed. Enter subnet address here (e.g., *192.168.1.0*) and select the appropriate subnet mask.
Access Mode	Choose between **Read Only** and **Read and Write**
Status	Enable or Disable SNMP community

To define a user name for SNMPv3, click **Add SNMP User** in the **SNMPv3 User Name** table, upon which the following screen is displayed:

SNMPv3 User Settings

SNMPv3 User Name	This setting specifies a user name to be used in SNMPv3.
Authentication Protocol	This setting specifies via a drop-down menu one of the following valid authentication protocols: ● HMAC-MD5 ● HMAC-SHA
Authentication Password	Password for SNMPv3 authentication.
Confirm Authentication Password	Confirm password for SNMPv3 authentication.
Privacy Protocol	This setting specifies via a drop-down menu one of the following valid privacy protocols: ● None ● CBC-DES When CBC-DES is selected, an entry field will appear for the password.
Access Mode	Choose between Read Only and Read and Write.
Status	Enable or Disable SNMPv3 user

9.6   Controller

Option to choose the controller for the Access Point.
The available options are:

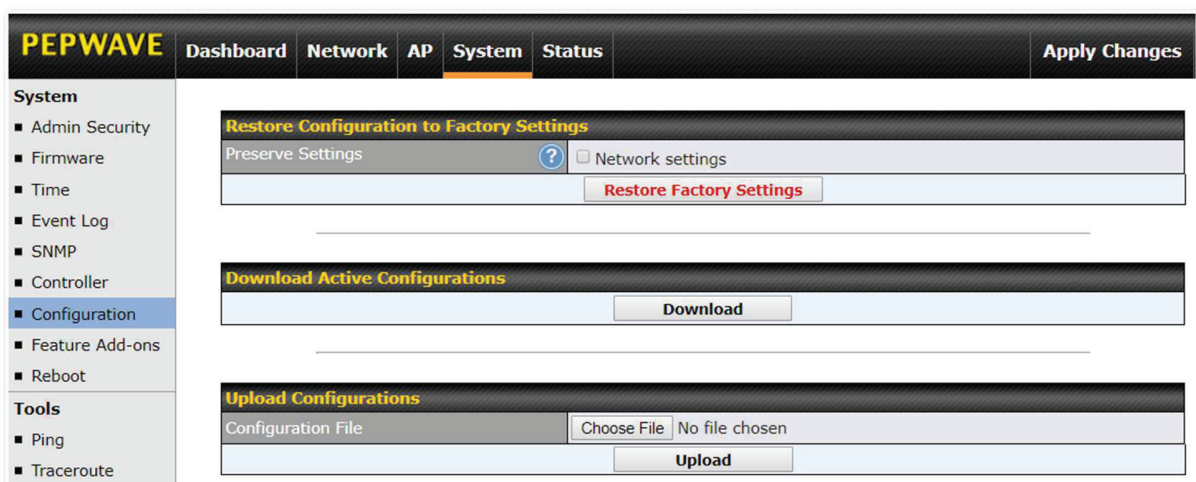| Controller Management Settings	
Controller Management	Controller management is enabled when ticked, when untickerd the Access Point is configured through the Web Admin GUI
Controller Type	This setting specifies via a drop-down menu one of the following valid authentication protocols: ● Auto - AP automatically assigned to active AP Controller ● InControl - AP is controlled by InControl* ● AP Controller - AP is controlled by Peplink Valance witH AP controller feature
Privately Host InControl	Privately host InControl Appliance. Check the box beside the "Privately Host InControl" and enter the IP Address or hostname of your InControl Appliance..
Unreachable Action	Switch the AP "Radio off" or take no action when the AP is unreachable.

*InControl is a cloud-based service which allows you to manage all of your Peplink and Pepwave devices with one unified system. With it, you can generate reports, gather statistics, and configure your devices automatically.

You can sign up for an InControl account at https://incontrol2.peplink.com. You can register your devices under the account, monitor their status, see their usage reports, and receive offline notifications.
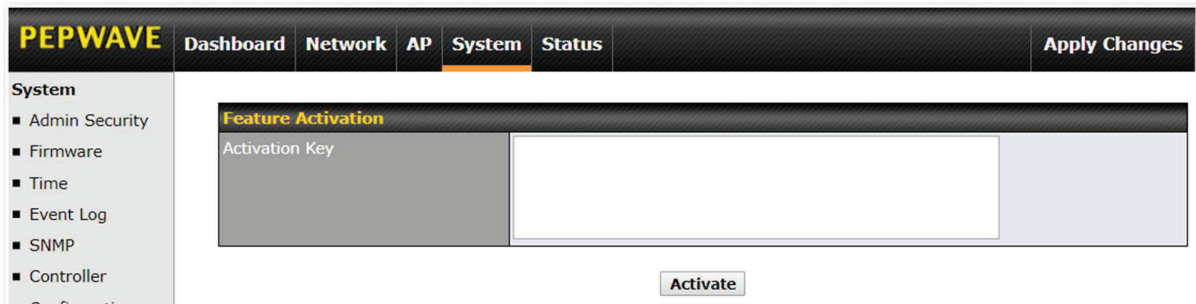
9.7 Configuration

Backing up your Pepwave Access Point settings immediately after successful completion of the initial setup is strongly recommended. The functionality to download and upload Pepwave Access Point settings is found at **System>Configuration**.
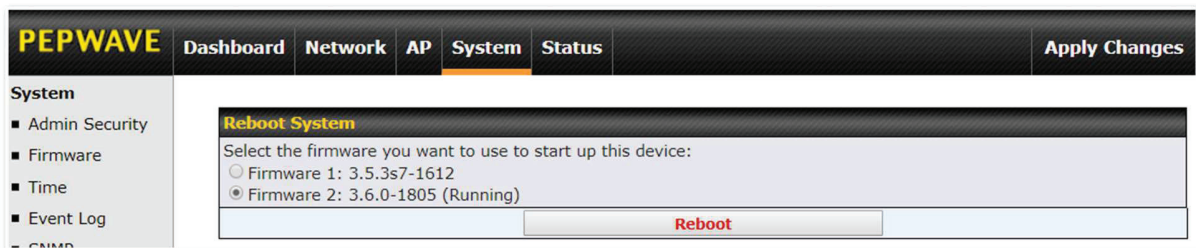

Configuration	
Restore Configuration to Factory Settings	The **Restore Factory Settings** button is to reset the configuration to factory default settings. After clicking the button, you will need to click the **Apply Changes** button on the top right corner to make the settings effective. Tick the **Network Settings** option to include the I P Address, Subnet Mask, Default Gateway, DNS Server and Management VLAN ID
Download Active Configurations	Click **Download** to backup the current active settings.
Upload Configurations	To restore or change settings based on a configuration file, click **Choose File** to locate the configuration file on the local computer, and then click **Upload**. The new settings can then be applied by clicking the **Apply Changes** button on the page header, or you can cancel the procedure by pressing **discard** on the main page of the web admin interface.

9.8 Feature Add-Ons

Some Pepwave Access Points models have features that can be activated upon purchase. Once the purchase is complete, you will receive an activation key. Enter the key in the Activation Key field, click Activate, and then click Apply Changes.
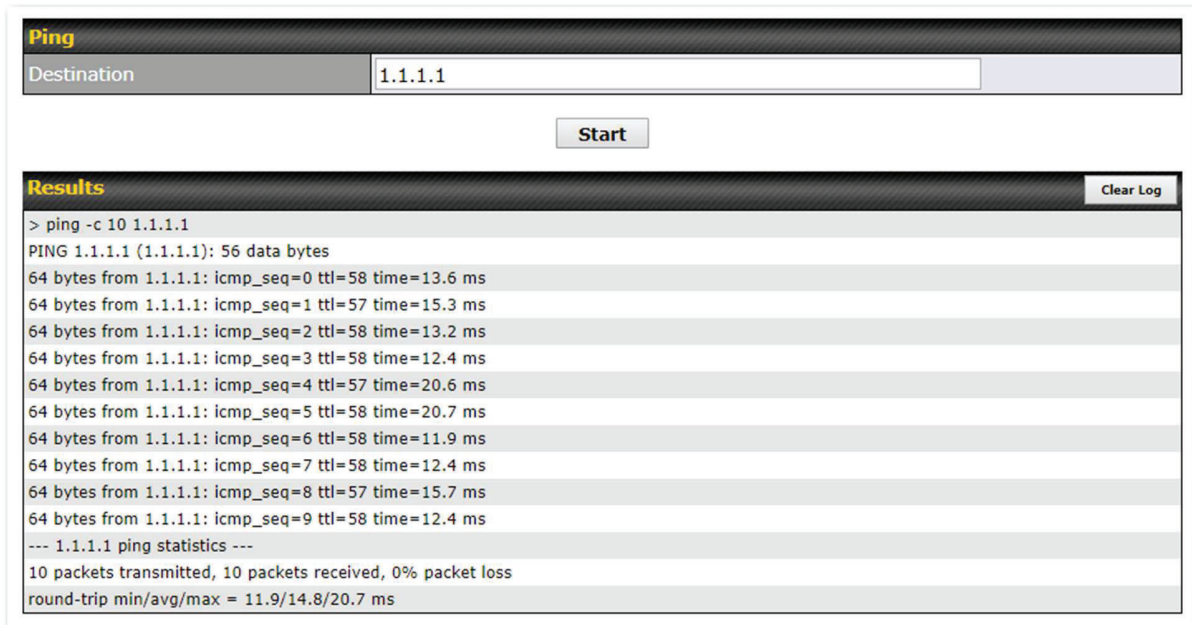
9.9 Reboot

Restart the Access Point with the **Reboot** button. For maximum reliability, the Pepwave Access Point can contain two copies of firmware; 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.

9.10   Tools > Ping

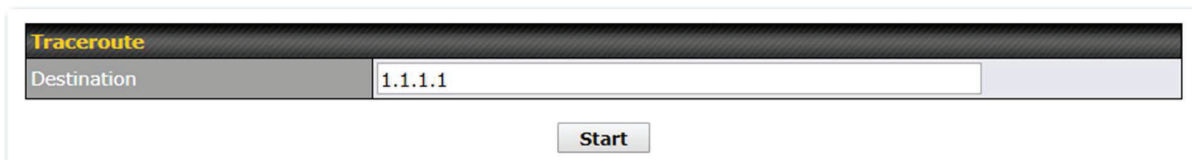| Ping	
Destination	1.1.1.1

<div align="center">Start</div>

Results	Clear Log
> ping -c 10 1.1.1.1	
PING 1.1.1.1 (1.1.1.1): 56 data bytes	
64 bytes from 1.1.1.1: icmp_seq=0 ttl=58 time=13.6 ms	
64 bytes from 1.1.1.1: icmp_seq=1 ttl=57 time=15.3 ms	
64 bytes from 1.1.1.1: icmp_seq=2 ttl=58 time=13.2 ms	
64 bytes from 1.1.1.1: icmp_seq=3 ttl=58 time=12.4 ms	
64 bytes from 1.1.1.1: icmp_seq=4 ttl=57 time=20.6 ms	
64 bytes from 1.1.1.1: icmp_seq=5 ttl=58 time=20.7 ms	
64 bytes from 1.1.1.1: icmp_seq=6 ttl=58 time=11.9 ms	
64 bytes from 1.1.1.1: icmp_seq=7 ttl=58 time=12.4 ms	
64 bytes from 1.1.1.1: icmp_seq=8 ttl=57 time=15.7 ms	
64 bytes from 1.1.1.1: icmp_seq=9 ttl=58 time=12.4 ms	
--- 1.1.1.1 ping statistics ---	
10 packets transmitted, 10 packets received, 0% packet loss	
round-trip min/avg/max = 11.9/14.8/20.7 ms	

The ping test tool tests connectivity pinging the specified destination IP address. The ping utility is located at **System>Tools>Ping**.

9.11   Tools > Traceroute

Traceroute	
Destination	1.1.1.1

<div align="center">Start</div>

The traceroute test tool traces the routing path to the specified IP address. The traceroute test utility is located at **System>Tools>Traceroute**.

9.12   Tools > Nslookup

The nslookup tool is used to test DNS name servers. The nslookup utility can be found at **System>Tools>Nslookup**.

10   Status

The displays available on the **Status** tab help you monitor device data, client activity, rogue device access, and more.

10.1 Device

System Information	
Device Name	This is the name specified in the **Router Name** field located at **System>Admin Security**.
Model	This shows the model name and number of this device.
Hardware Revision	This shows the hardware version of this device.
Serial Number	This shows the serial number of this device.
Firmware	This shows the firmware version this device is currently running.
Host name	This shows the hostname of the device.
Uptime	This shows the length of time since the device has been rebooted.
System Time	This shows the current system time.
Diagnostic Report	The **Download** link is for exporting a diagnostic report file required for system investigation.
Remote Assistance	Click **Turn on** to enable remote assistance.

The second table shows the MAC address of each LAN/WAN?Radio interface connected.

Important Note
If you encounter issues and would like to contact the Peplink Support Team (https://contact.peplink.com/secure/create-support-ticket.html), please download the diagnostic report file and attach it along with a description of your issue.

10.2 Client List

The **Client List** displays all currently connected clients. Use the **Expand** and **Collapse** buttons

to control the amount of data displayed.

10.3 WDS Info

Here you can monitor the status of your wireless distribution system (WDS) and track activity by MAC address. This section will display information for both the 2.4GHz and 5GHz radios.

10.4 Portal

If you've turned on your access point's captive portal, client connection data will appear here. Use the **Expand** and **Collapse** buttons to control the amount of data displayed.

10.5 Rogue AP

This section displays a list of nearby suspected rogue access points.

10.6 Event Log

The **Event Log** displays a list of all events associated with your access point. Check **Auto Refresh** to refresh log entries automatically. Click the **Clear Log** button to clear the log.

11 Restoring Factory Defaults

To restore the factory default settings on a Pepwave AP One router, follow the steps below:

1. Locate the reset button on the front or back panel of the Pepwave AP One router.

2. With a paperclip, press and keep the reset button pressed.

Note: There is a dual function to the reset button.

Hold for 5 seconds for admin password reset (Note: The LED status light blinks in RED 2 times and release the button, green status light starts blinking)

Hold for 5 seconds for factory reset (Note: The LED status light blinks in RED 3 times and release the button, all WAN/LAN port lights start blinking)

After the Pepwave AP One router finishes rebooting, the factory default settings will be restored.

Important Note

All previous configurations and bandwidth usage data will be lost after restoring factory default settings. Regular backup of configuration settings is strongly recommended.

12 Appendix

1. **The device supports time division technology**

2. **Federal Communication Commission Interference Statement**

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.

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

IMPORTANT NOTE

FCC Radiation Exposure Statement

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

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination.

Restriction Statement:

The 5150 - 5250 MHz Band is allocated for indoor use only in EU member countries.

	BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	HR	IT	CY	LV
	LT	LU	HU	MT	NL	AT	PL	PT	RO	SI	SK	FI	SE	

<u>FCC Radiation Exposure Statement</u>

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

The availability of some specific channels and/or operational frequency bands is country dependent and is firmware programmed at the factory to match the intended destination.

2.4GHz (2412 – 2472 MHz) : 15.35 dBm
5GHz (5150 - 5250 MHz) : 18.15 dBm