

InControl 2 User Guide

Peplink Product:

InControl 2

Version 1.03

February 2017

COPYRIGHT & TRADEMARKS

Specifications are subject to change without notice. Copyright © 2017 Peplink International Ltd. All Rights Reserved. Pepwave and the Pepwave logo are trademarks of Peplink International Ltd. Other brands or products mentioned may be trademarks or registered trademarks of their respective owners.

Table of Contents

1. Purpose	3
2. Initial Setup	3
3. Organization, Group, and Device Configuration and Management	8
Changing Login Details	8
Adding Devices	9
Managing Devices	11
Creating Groups	12
Managing Groups	12
Viewing the Operation Log	14
Changing Organization Settings	16
Changing Group-Wide Settings	17
Managing Warranty and License Information	20
Managing Device Firmware	20
Configuring Wi-Fi	21
Configuring PepVPN / SpeedFusion Endpoints	24
Viewing System Messages	25
4. Fleet and Device Management	26
Using the Dashboard	26
Device Summary	26
Device List	26
Map	26
Event Log	28
Getting Detailed PepVPN/SpeedFusion Information	29
Monitoring Clients	30
5. Reporting	31
Device Reports	31
Bandwidth Reports	32
Wi-Fi Reports	33
Cellular Reports	34
Captive Portal Reports	34
Event Log	35

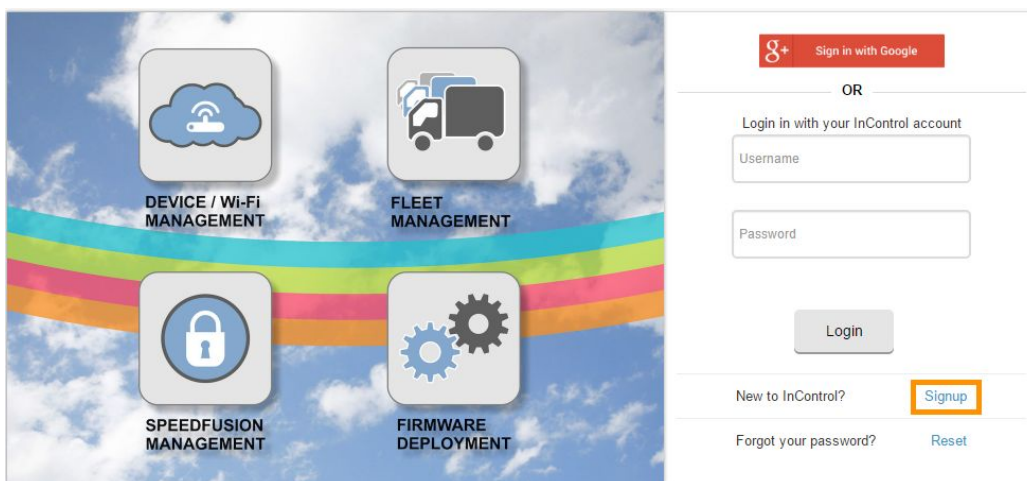
1. Purpose

This manual is a guide to setting up and using InControl 2.

2. Initial Setup

If you have already set up an InControl 2 account or plan to log in using your Google account, please skip to Step 6.

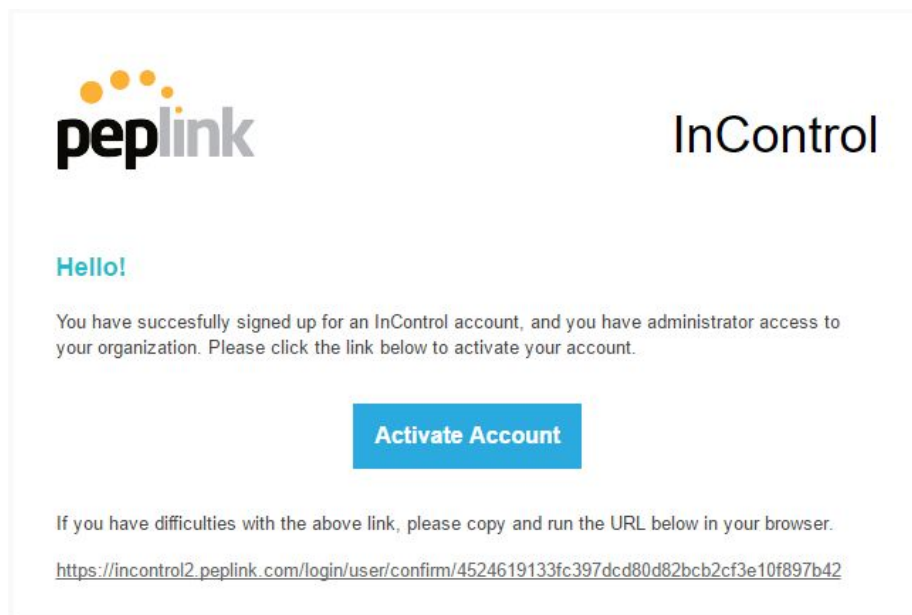
1. Navigate to the InControl 2 login page at <https://incontrol2.peplink.com>. Click the **Signup** link, in the lower right corner.



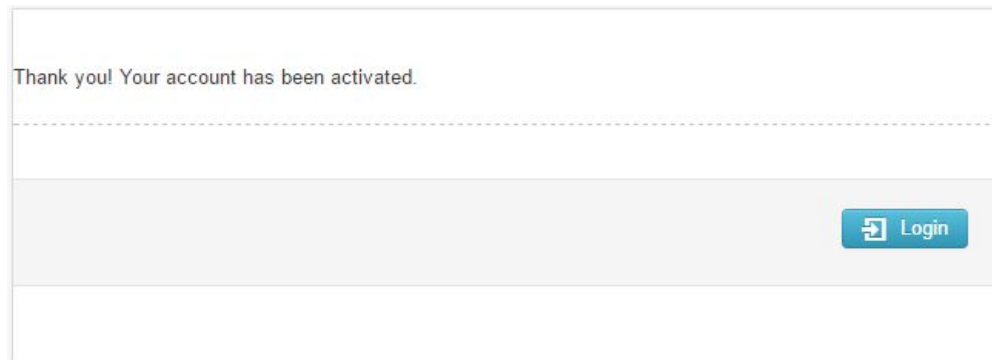
2. Enter an e-mail address that will serve as your login name.
3. Complete the remaining fields. Click **Submit** to continue.

E-mail Address	<input type="text"/>
First Name	<input type="text"/>
Last Name	<input type="text"/>
Password	<input type="password"/>
Confirm password	<input type="password"/>
Language	<input type="text" value="English"/> ▼
<input type="button" value="Submit"/>	

4. You will receive a confirmation e-mail. Click the **Activate Account** button in the confirmation e-mail.



5. Click the **Login** button to re-display the InControl 2 login page at <https://incontrol2.peplink.com>.



6. Log in with the user name and password created for your InControl 2 account.

You can also login using a linked Google account. If you do so, InControl 2 will ask for access to your e-mail address and basic profile.

When you log in to InControl 2 for the first time, you'll be prompted to create an Organization.

7. To get started, enter organization name, country, and address information.
8. Check to see that your location has been correctly identified. If you want to specify a different address than the one shown, you can select it using the map, type it in the **Address** field, or enter the coordinates below the map.
9. Choose **miles** or **km** as your **Speed unit**.
10. Click **Submit** to create your organization.

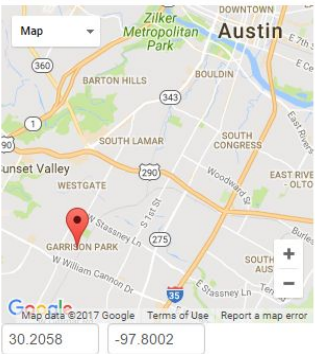
Create organization Jimmy Testing [Sign out](#)

Organization Name

Country

Address

Location



Speed unit

This product includes GeoLite2 data created by MaxMind, available from <http://www.maxmind.com>.

After you create an Organization, you'll need to create at least one group.

11. On the **Create Group** page, displayed next, name your group. If needed, change address and time zone details. Click **Create Group** to finish.


Name your group

Group name

Address

Country

Address



Location

Time Zone

Time Zone

12. On the **Add Devices Into Groups** page, enter one or more serial numbers and click the **Next** button.

Group Another Group is created. You may add devices to this group.

Add Devices Into Groups

InControl 2 can check the warranty status of the following devices:

- Peplink Balance family
- Pepwave MAX family
- Pepwave Surf SOHO
- Pepwave Access Points
- Peplink FusionHub

For InControl 2 to manage a device, it needs to meet the [these criteria](#).

Serial numbers:

(Comma, space or carriage return separated)

InControl 2 will check to make sure each device is valid for use with the software, and is not already in use. The results will display in a table.

Add to: Group 1

Serial Number	Device Name	Invoice Date	Address	Location (Latitude / Longitude)
192C-1835-642F	Balance_642F	2014-12-05	New York, NY, United States	40.714664 -74.00735 [Show Map]

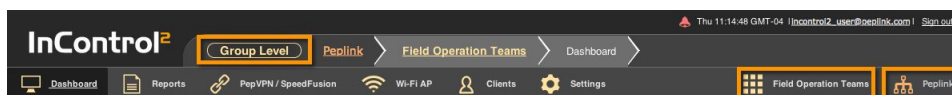
13. If the device is valid, the table will show the device name, address and location. Click the **Add Devices** button to add it to the specified group.

To add more groups and devices or modify your InControl 2 configuration, see the next section, **Organization, Group, and Device Configuration and Management**.

3. Organization, Group, and Device Configuration and Management

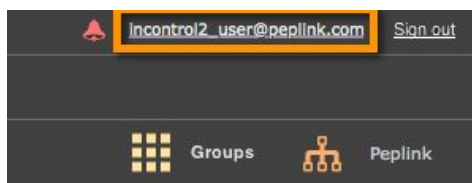
This section covers configuring InControl 2, as well as managing groups and devices. Note that some operations are possible only at the **Organization Level**, while others require that you work at the **Group Level**.

To switch between these levels, select the appropriate icon on the navigation bar and verify that **Organization Level** or **Group Level** is displayed in the breadcrumb navigation.



Changing Login Details **Organization Level** **Group Level**

1. To change login details, click the user name link displayed in the upper right corner.



On the Account page, you can change your login e-mail address, account name, language, and password. You can also review recent logins to ensure that the account has been accessed properly.

8.8.8.8	Chicago	2017-02-09 20:24:00
8.8.8.8	Chicago	2017-02-09 19:44:33

Previous 1 Next

Your e-mail address

When you change your e-mail address, an e-mail will be sent to your new address for verification.

E-mail

Change E-mail Address

Your account

First Name

Last Name

Language

Update

Change password

Current password

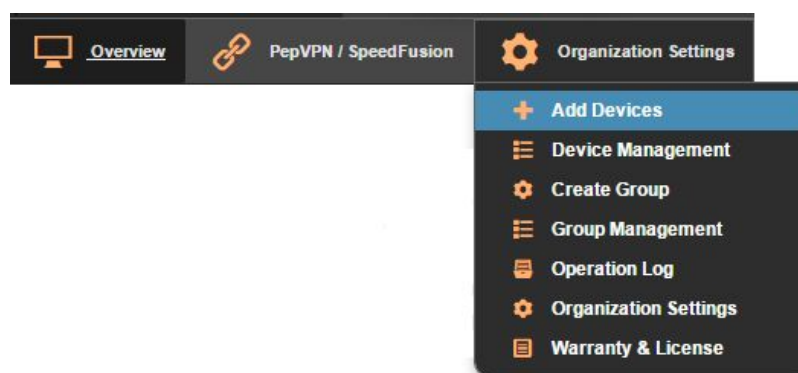
New password

Confirm password

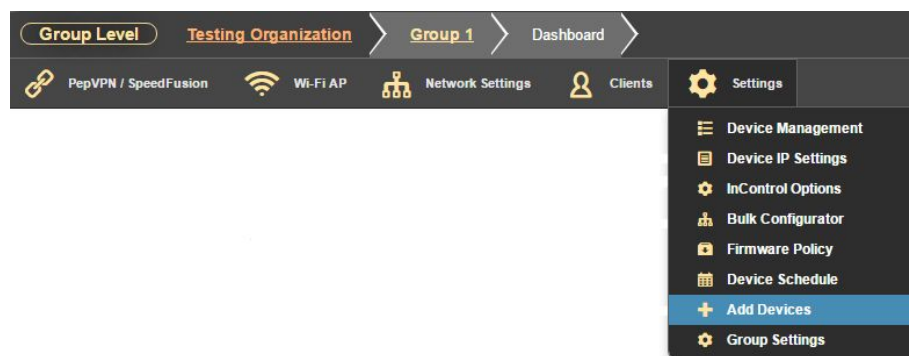
Change password

Adding Devices **Organization Level** **Group Level**

1. To add new devices, click **Organization Settings > Add Devices**.



You can also add a device from the **Group Level**. Click **Group**, then choose the desired group from the drop-down menu. When the **Group Level** screen opens, click **Settings > Add Devices**.



2. On the **Add Devices Into Groups** page, choose a group from the **Select Group** drop-down menu. (If you are already at the **Group Level**, you will skip this step.)
3. Enter one or more serial numbers.
4. Click the **Next** button.

Add Devices Into Groups

InControl 2 can check the warranty status of the [following devices](#):

- Peplink Balance family
- Pepwave MAX family
- Pepwave Surf SOHO
- Pepwave Access Points
- Peplink FusionHub

For InControl 2 to manage a device, it needs to meet the [these criteria](#).

Select Group:

Select Tag(s):

Serial numbers:
(Comma, space or carriage return separated)

InControl 2 will check to make sure each device is valid for use with the software, and is not already in use. The results will display in a table.

Add to: Group 1

Serial Number	Device Name	Invoice Date	Address	Location (Latitude / Longitude)
192C-1835-642F	Balance_642F	2014-12-05	New York, NY, United States	40.714664 -74.00735 [Show Map]

5. If the device is valid, the table will show the device name, address and location. Click the **Add Devices** button to add it to the specified group.


Group Level

- and **Settings > Device Management** at the **Group Level** to display a list of devices.

Download as CSV | Update device names by CSV file

3. For GPS-enabled devices, you can track location in real time or display historical route information. You can also color-code routes by speed or coverage, specify a custom tracking time frame, get real-time traffic information, and more.

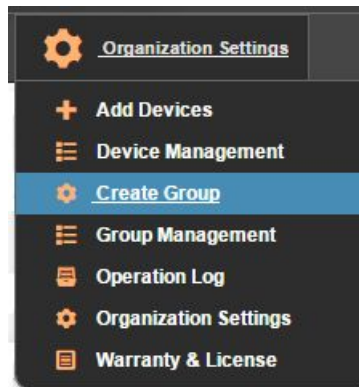
  ONStatus

Untagged LAN	192.168.1.1/24
VLAN ID 1	192.168.2.1/24
WAN 1	 Connected (10.10.11.37)
WAN Type	Ethernet
IP Address	10.10.11.37
Connection Method	DHCP
Routing Mode	NAT
Default Gateway	10.10.10.1
DNS Servers	10.10.10.1
MTU	1440
Health Check Method	DNS Lookup
InControl Detected IP	101.78.244.163
Usage	34.8 kbps
Clients	2
Location	40.714664, -74.00735



Creating Groups **Organization Level**

1. To begin adding groups, click **Organization Settings > Create Group**.



2. On the **Create Group** page, name your group and, if needed, change address and time zone details. Click **Create Group** to finish.

Name your group

Group name

Address

Country

Address

A Google Map showing a location in New York City, specifically around Greenwich St and Warren St. A red pin is placed on the map, and a small red circle with the number '1' is visible. The map includes street names like 'Greenwich St', 'Warren St', 'Hudson St', and 'W Broadway'.

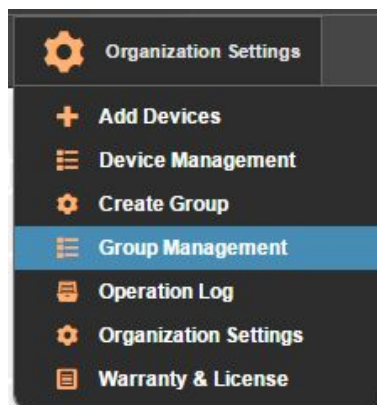
Location

Time Zone

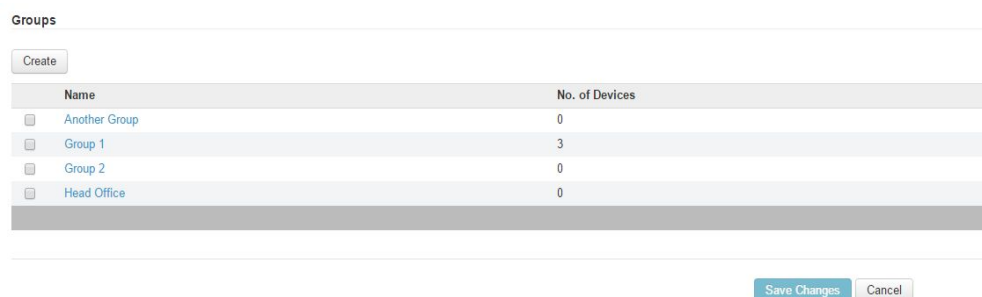
Time Zone

Managing Groups **Organization Level**

1. Click **Organization Settings > Group Management**.



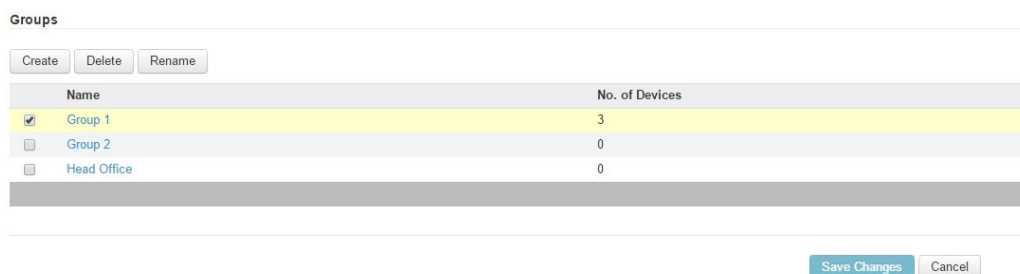
On the **Groups** management page, you can delete, rename, and create new groups.



2. Click the **Create** button to enter a new group.

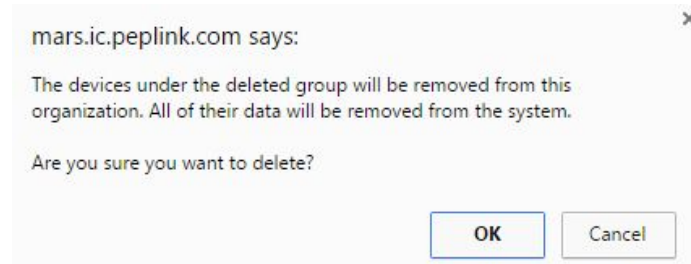
The **Create Group** page opens. Follow the instructions in the previous section, **Creating Groups** **Organization Level**, to add a new group.

3. To delete or rename, click the box beside the group you want to change. Immediately, the **Delete** and **Rename** buttons appear above the table.



4. Click the **Delete** button to delete the group.

5. Click **OK** in the dialog box to complete the delete.



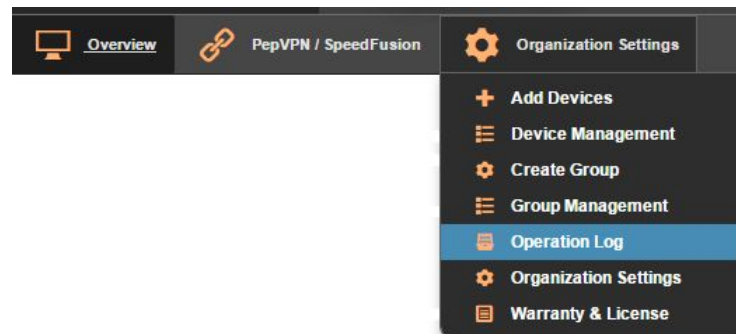
6. If you want to rename a group, click the **Rename** button.
7. Type the new name in the editable **Name** box that opens.



8. To save your work, click the **Save Changes** button.

Viewing the Operation Log **Organization Level**

1. To display the operation log, click **Organization Settings > Operation Log**.



Here, you can view all past operations or search for operations that meet particular criteria.

Search:

Time (UTC)	Admin	Group	Device	Page	Label	Old Value	New Value
2017-02-10 05:35:33	Jimmy Testing	Group 1	Balance_642F	-	Location Display	Show	Hide
2017-02-10 05:35:32	Jimmy Testing	Group 1	Balance_642F	-	Location Display	Hide	Show
2017-02-10 05:35:31	Jimmy Testing	Group 1	Balance_642F	-	Location Display	Show	Hide
2017-02-10 05:25:10	Jimmy Testing	Group 1		Add Devices	Device		Added: 192C-1835-642F
2017-02-10 03:53:51	Alan			Device Management	Device		Removed: 192C-1835-642F
2017-02-10 03:53:26	Alan	Another Group		Add Devices	Device		Added: 192C-1835-642F
2017-02-10 03:53:00	Alan			Device Management	Device		Removed: 192C-1835-642F
2017-02-10 03:51:47	Alan			-	Organization Administrator sign in		alan@peplink.com
2017-02-10 03:33:42	Jimmy Testing			-	Organization Administrator sign in		11760809@mvrt.com
2017-02-10 03:24:31	Jimmy Testing			-	Organization Administrator sign in		11760809@mvrt.com
2017-02-10 03:11:21	Jimmy Testing			Group Management	Group		Created: Another Group
2017-02-10 02:40:34	Jimmy Testing			-	Organization Administrator sign in		11760809@mvrt.com
2017-02-10 02:24:02	Jimmy Testing			-	Organization Administrator sign in		11760809@mvrt.com
2017-02-10 01:44:33	Jimmy Testing			-	Organization Administrator sign in		11760809@mvrt.com

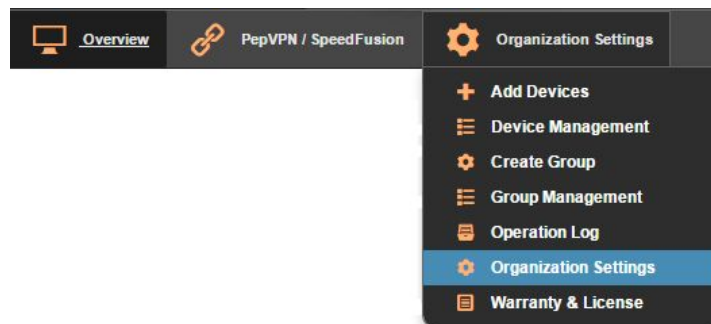
To sort the view, click the arrows next to the table headings.

Search:

Time (UTC)	Admin	Group	Device
2017-02-10 05:35:33	Jimmy Testing	Group 1	Balance_642F
2017-02-10 05:35:32	Jimmy Testing	Group 1	Balance_642F
2017-02-10 05:35:31	Jimmy Testing	Group 1	Balance_642F
2017-02-10 05:25:10	Jimmy Testing	Group 1	
2017-02-10 03:53:51	Alan		

Changing Organization Settings Organization Level

1. To begin changing organization settings, click **Settings > Settings**.



2. Here, you can change organizational security options, logos, addresses, and more.

Name

Administration

Organization Admins

These users have administrator access to all groups (including this one) in your organization.

First Name	Last Name	E-mail	Account Stat
Jimmy	Testing	11760809@mvrht.com	Active
Alan	Tsui	actsui@ualberta.ca	Active
Alan	Tsui	alant@peplink.com	Active
Eric	Wong	ewong@peplink.com	Active
Keith	Chau	keithc@peplink.com	Active
Michael	Chan	michaelc@peplink.com	Active
<input type="text" value="First Name"/>	<input type="text" value="Last Name"/>	<input type="text" value="E-mail"/>	-

Security

Idle timeout ☐ Sign out password-authenticated users after minutes of inactivity
 Note: Users authenticated with Google ID will not be signed out automatically ⓘ

Two-factor authentication ☐ Force users to set up and use two-factor authentication

Authenticated with Password ☐ Do not allow users to authenticate with Google ID but username and password

Block Peplink Support ☐ Prevent Peplink support from viewing this organization

Logo

Logo
 Formats: PNG and JPG

Current logo

Favicon

Favicon

Current favicon

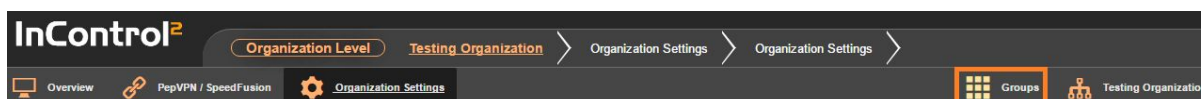
The following table explains what changes you can make.

Organization Settings	
Organization Admins	Add administrative users with Full or Read-only access.
Security	Idle timeout: Set the time after which inactive users will be logged out of InControl 2.
	Two factor authentication: To require your users to use two-factor authentication to log in, click this box.
	Authenticated with Password: To require your users to log in with a username and password, click this box.
	Block Peplink Support: To prevent Peplink support from viewing the organization during support calls, click this box
Logo/Favicon	Drag-and-drop or upload images to customize InControl 2 with your own branding.
Address	Enter your address, select it from the map, or enter coordinates.
Unit	Select your preferred unit of measurement: Metric , Imperial , or Nautical .

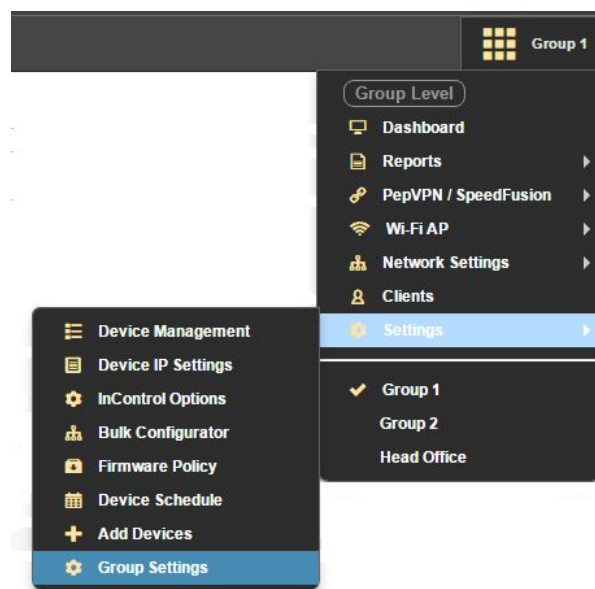
3. To save your work, click the **Save Changes** button.

Changing Group-Wide Settings **Group Level**

1. To begin changing group settings, first click the **Groups** icon in the navigation bar and select the appropriate group from the drop-down menu.



2. Click the Group name in the navigation bar, then click **Settings > Group Settings**.



- Here, you can change and add group administrators, enable e-mail notifications, silence device reporting for a specified period, and more.

Group Name

Administration

Organization Admins

These users have administrator access to all groups (including this one) in your organization.

First Name	Last Name	E-mail
Alan	Tsui	actsui@ualberta.ca
Alan	Tsui	alant@peplink.com
Eric	Wong	ewong@peplink.com
Jimmy	Testing	11760809@mvrht.com
Keith	Chau	keithc@peplink.com
Michael	Chan	michaelc@peplink.com

Group Admins

These users have administrator access to this group specifically:

First Name	Last Name	E-mail
<input type="text" value="First Name"/>	<input type="text" value="Last Name"/>	<input type="text" value="E-mail"/>

E-mail Notifications

Device Offline / Online ☐

WAN Down / Up ☐

PepVPN / SpeedFusion Down / Up ☐

IPsec VPN Down / Up ☐

AirProbe Alarms ☐

Silence Period ☐

HTTP/S Notifications

HTTP/S Notifications ☐

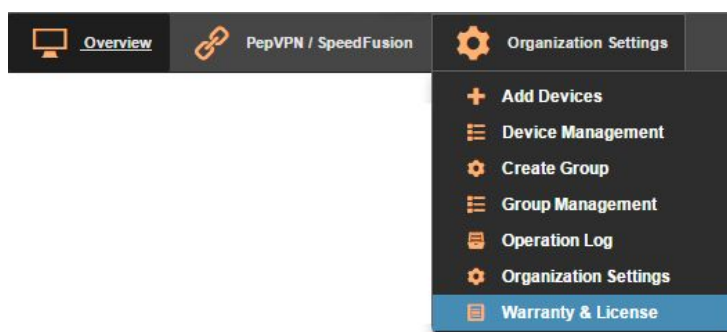
The following table explains what changes you can make.

Group-Wide Settings	
Organization Admins	Add administrative users with Full or Read-only access.
Group Admins	Add group administrators with Full or Read-only access.
E-mail Notifications	Enable/disable e-mail notifications of system activity. You can also set a Silence Period , a recurring time when devices will not update the system. You can choose to apply this setting to all devices or devices with specified tags applied.
HTTP/S Notifications	Click to enter HTTP/S notifications, including the URL and related information.
Time Zone	Select a time zone and specify whether devices will use this setting.
Device Web Admin Authentication	Click this box to set up administrator and user password information.
WeChat Settings for Captive Portal	Enter WeChat account information for this group.
SMS Settings for Captive Portal	Click to enter SMS service provider and related information.
Scheduled Reboot	Select the preferred reboot schedule: None , Daily , or Weekly .
External InControl Appliance Settings	Enable/disable External InControl Appliance. The enabled options are By Redirection and By Configuration .
Address	Enter your address, select it from the map, or enter coordinates.

4. To store your updates, click the **Save Changes** button.

Managing Warranty and License Information Organization Level

1. To view and manage device warranty and license information, click **Organization Settings > Warranty & License**.



2. Here, you can filter the list to show warranties that are close to expiring, as well as those that have already expired. You can also import FusionHub license keys, create an evaluation license, and download the latest FusionHub firmware.

Service Status

Filters: ALL

Search:

Device Name	Product	Group	Service Status	Service Expiration Date
MAX_BR1_0352 (2931-F95E-0352)	Pepwave MAX BR1 (HW2)	Group 1	In Warranty	2021-12-31
Balance_842F (162C-1635-842F)	Peplink Balance One	Group 1	In Warranty	2025-12-04
MAX-HD2-8829 (2830-A289-8829)	Pepwave MAX HD2 (HW1-4)	Group 1	In Warranty	2044-12-04

[Download as CSV](#)

Search: ☐ Show expired evaluation license

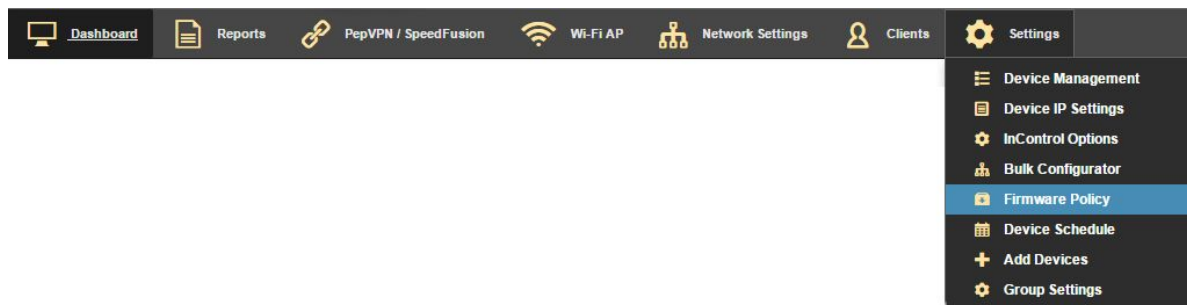
FusionHub License Key	Serial Number	Max. Peers	Max. Bandwidth (Mbps)	License Type	Activation Date	Evaluation Expiry Date	Warranty Expiry Date	Last Updated	Release License Key
5NNE6PWF5QJSPR4	11EF-810B-F864	1000	500	FULL	-	-	2015-04-09	2015-04-09	Release
UDVL5BKRPRLNKUBJ	1134-8AGE-5147	5	25	FULL	2015-02-10	-	2020-01-29	2015-02-10	Release

Import

[Download Latest FusionHub...](#)

Managing Device Firmware Group Level

1. To view and manage firmware updates for your devices, select the appropriate group from your **Groups** drop-down menu.
2. Click **Settings > Firmware Policy**.



3. On this page, you can view firmware versions, as well as set group policy for firmware update frequency. To save your work, click **Save Changes**.

Firmware - Group policy

Product name	Firmware Version	<input type="checkbox"/> Show beta firmware	Release note
Peplink Balance One	7.0.0 build 2742 <input type="button" value="v"/> Upgrade only		Release note
Pepwave MAX BR1 (HW2)	7.0.0 build 2445 <input type="button" value="v"/> Upgrade only		Release note
Pepwave MAX HD2 (HW1-4)	7.0.0 build 3310 <input type="button" value="v"/> Upgrade only		Release note

Affected device(s): MAX-HD2-8829, Balance_642F, MAX_BR1_0352

Firmware Update Schedule

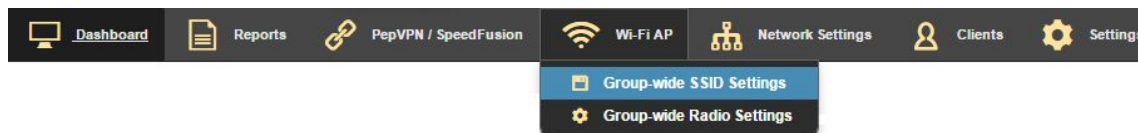
Update time: ☒ Immediately ☐ Scheduled

Upcoming Firmware Update Schedules

Device	Product	Firmware Version	Schedule Date and Time
No data available			

Configuring Wi-Fi **Group Level**

1. Select the appropriate group from your **Groups** drop-down menu.
2. Click **Wi-Fi AP > Group-wide SSID Settings**.



On the Group-wide SSID Settings page, you can enable/disable available Wi-Fi configurations.

3. To change SSID settings, click the identifier in the table.

Group-wide SSID Settings Radio Settings >

Wi-Fi Management ☒

[Add new SSID](#)

SSID	Security	SSID Visibility	Radio Selection	SSID Availability	Actions
SSID	WPA2 - Personal	Hide this SSID	Dual band operation (2.4 GHz and 5 GHz)	All Devices	

In order for the edit page to open, **Wi-Fi Management** must be checked.

SSID

Enable ☒

Security Settings

Security Policy

Encryption

Shared Key [Show Password](#)

Layer 2 Isolation ☐ Enable

SSID Discovery

SSID Visibility

VLAN Settings

VLAN Tagging ☐

MAC Filter

Restriction Mode

Multicast Settings

Multicast Filter

Multicast Rate

IGMP Snooping ☐

Radio Selection

Radio Selection ☒ 2.4 GHz ☒ 5 GHz

Maximum Number of Clients

Maximum Number of Clients 2.4 GHz: clients

5 GHz: clients

Require firmware 7 and 3.5.4 or above for Balance/MAX and AP respectively. Default: Unlimited

SSID Availability

Device Selection

Schedule

Schedule

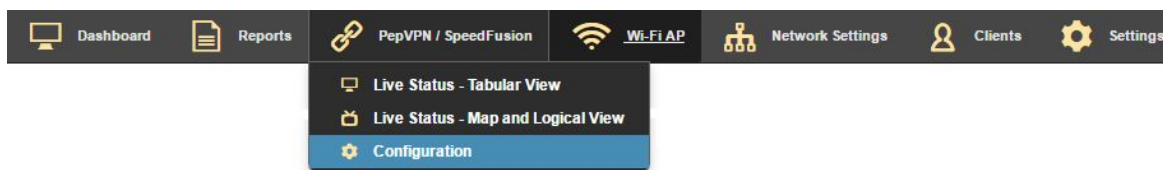
The SSID Settings page displays a variety of Wi-Fi configuration settings.

Group-Wide Settings	
SSID	Enter a name for the Wi-Fi network.
Security Settings	Security Policy - Choose from Open – No Encryption , WPA2 - Personal , WPA2 - Enterprise , WPA/WPA2 - Personal , WPA/WPA2 - Enterprise , and Static WEP . Layer 2 Isolation - Enable/disable Layer 2 port isolation, which can prevent unauthorized port-to-port communication.
SSID Discovery	SSID Visibility - Available values are Show this SSID and Hide this SSID . Note that hiding the SSID does not prevent access to users who know the SSID.
VLAN Settings	To insert a VLAN ID, click the box next to VLAN Tagging .
MAC Filter	Restriction Mode - Deny or accept all MAC addresses, except those listed in MAC Address List , which displays if you select either Deny or Allow .
Multicast Settings	Multicast Filter - Enable or disable multicast filtering. Multicast Rate - Choose one of the options to change the balance of multicast speed/range. IGMP Snooping - Click to turn on.
Radio Selection	Both 2.4 GHz and 5 GHz are selected by default, to support communication in every mode.
Maximum Number of Clients	The default for both radio selections is Unlimited . Use the drop-down list to change that number.
Device Selection	Enable the SSID on all devices or on devices with the specified tags.
Schedule	The SSID Settings are always on.

- Click the **Save Changes** button when you are finished.
- To add a new SSID, click the **Add new SSID button**, on the Group-wide SSID Settings page. Use the Group-Wide Settings table above, and click the **Save Changes** button when you are finished.

Configuring PepVPN / SpeedFusion Endpoints Group Level

1. If allowed by your deployment, you can configure PepVPN / SpeedFusion endpoints right from InControl 2. To access this feature, click **PepVPN / SpeedFusion > Configuration**.



2. Next, check **Enable** to display configuration settings.

Enabled	Profile	Topology	Description	NAT	Actions
<input checked="" type="checkbox"/>	9	Star	Hub: MAX-H02-8629 End Points: Balance_642E	No	Edit Delete
Add Profile					
Save Changes Cancel					

All enabled profiles will display in the table under the map.


3. To make changes to an existing profile, click the **Edit** button.
4. To add a profile, click the **Add Profile** button.
5. Enter the following information as you are prompted to do so:

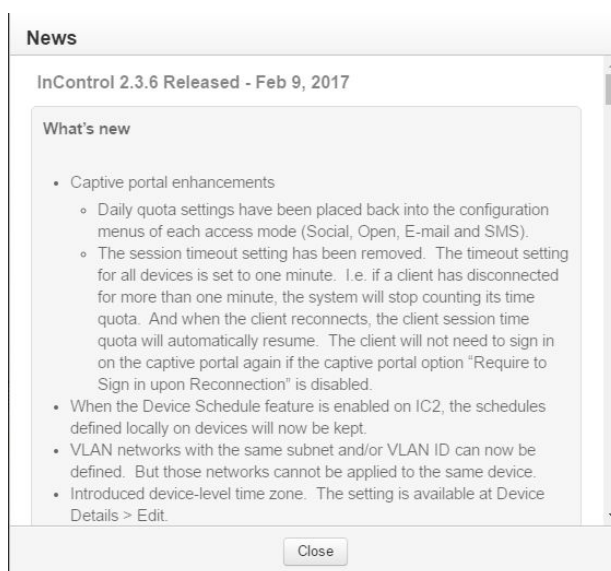
End Point Configuration	
Topology	Select Star , Fully Meshed or Point-to-Point .
Choose Endpoint Devices	Click next to the device for which you are adding this profile.
Choose Hub Device	The IP address or hostname assigned to the hub will display here. Click the High Availability Setup box to enable HA. Then select the appropriate group and device for your HA deployment.

The Profile Summary displays next. It contains the following additional information.

Profile Summary	
Encryption	Toggle 256-bit AES encryption; in most cases, it's best to leave encryption turned on
NAT Mode	Check this box to enable network address translation
Data Port	The default data port is 4500; port 32015 will be used if port 4500 is unavailable
Send All Traffic to Remote Hub	Internet traffic from LAN clients on the endpoint device will be routed to the remote hub site over the SpeedFusion connection instead of routing to the device's WAN port(s)
Link Failure Detection Time	Choose the amount of time between link status checks; lower values enable faster detection but consume more bandwidth
WAN Smoothing	Choose Normal , Medium , High , or Off .
WAN Priority	If you select Change WAN Priority , the next screen that displays will allow you to change priorities for one or more of the PepVPN profiles.

Viewing System Messages Organization Level Group Level

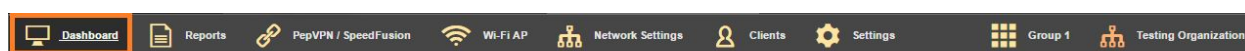
To see important system messages, click the notification () icon located at the top of the page.



4. Fleet and Device Management

Using the Dashboard Group Level

The Dashboard provides a wealth of at-a-glance data about online and offline devices, client statistics, location, and more. To access the Dashboard, select a group and then click the Dashboard icon located in the navigation bar.



Device Summary

This section offers a quick overview of online, offline, total online and offline, and connected client devices, all updated live.

Device Summary

Online	Offline	Total	Clients
7 device(s)	4 device(s)	11 device(s)	16 online

Device List

The Device List displays important device information that can be easily sorted so you can quickly find just the information you need. The Device List also provides quick access to device management tools and group-level Wi-Fi settings.

Device List

Search devices...

3 device(s)

Compact View

Add Devices

Status	Device Name	Tags	Wi-Fi Config	Product Name	Uptime	Online	WAN	Usage	Clients	Firmware	Last Config Updated
<div><div></div></div>	<div>Balance 542F</div>		Group level	Balance One (HW1)	21 days	3 days	<div></div>	0 bps	1	7.0.0 build 2715	an hour ago
<div><div></div></div>	<div>MAX-HD2-8B29</div>		Device managed	MAX HD2 (HW1)	-	25 days ago	-	-	-	7.0.0 build 3310	4 months ago
<div><div></div></div>	<div>MAX_BR1_0352</div>	<div></div>	Group level	MAX BR1 (HW2)	-	9 days ago	-	-	-	6.3.3 build 2252	10 days ago

Edit

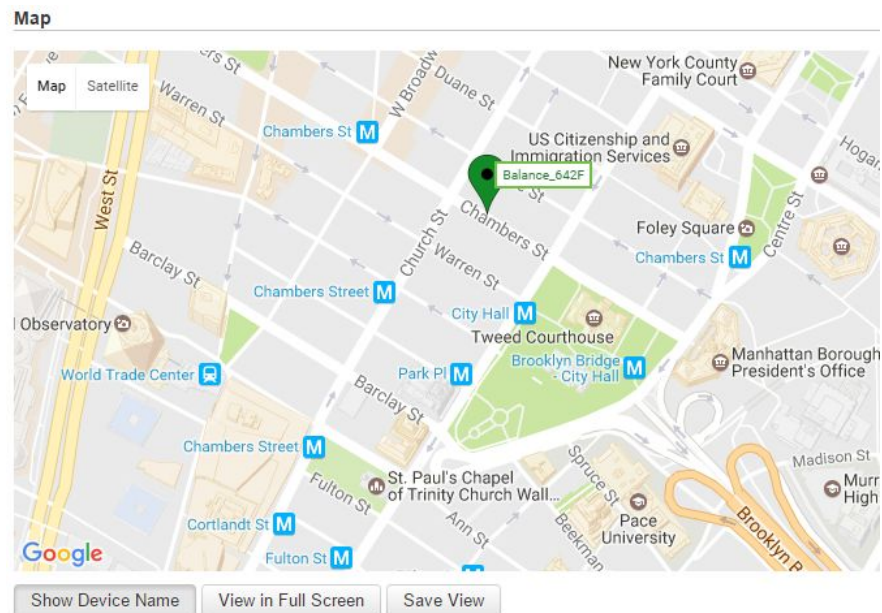
Download as CSV

Manage...

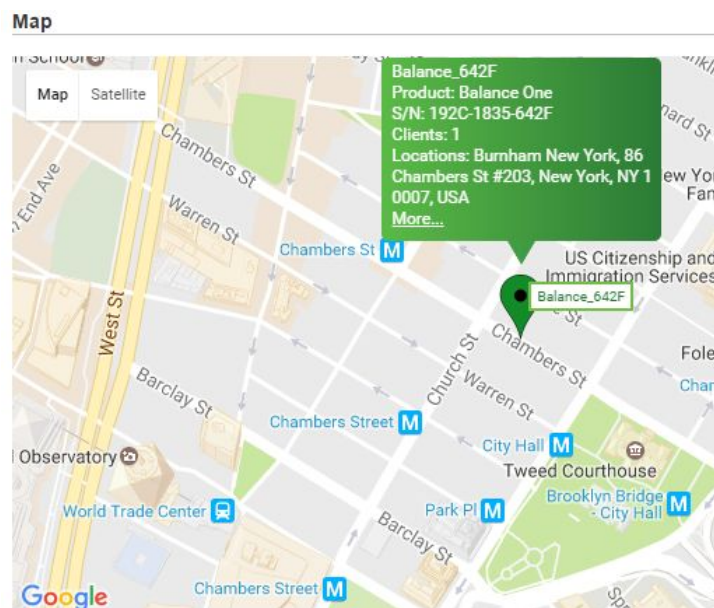
Map

The map lets you keep an eye on your whole fleet in real time. Icons are marked with the name assigned to the device being tracked. Icons with numbers indicate multiple

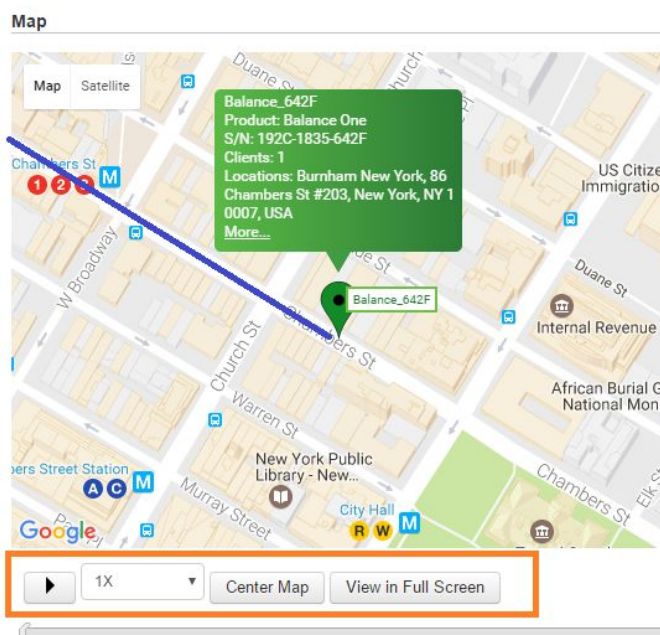
devices in the area.



To get details, including a complete route history, click any map icon.



To see a device's route history in motion, select a speed and click the play/pause button.



Event Log

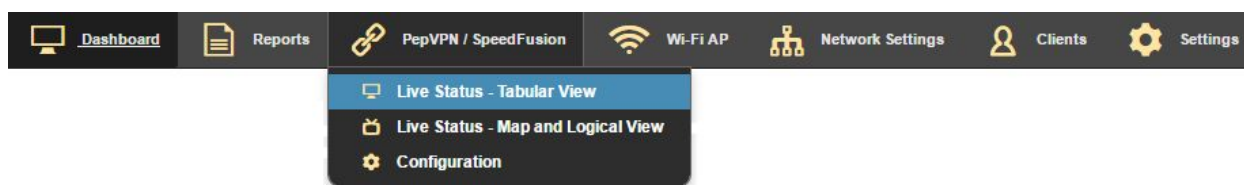
The Event Log keeps you up-to-date on client connection/disconnection, data session times, time synchronizations, and more. For details on client devices, click the appropriate listing in the **Client** column. To display the Device Management page for a device, click its listing in the **Device** column. To display the entire Event Log report, which can be downloaded for use in other applications, click **More...**

Event Log

Time	Device	SSID	Client	Type	Details
05-15 15:45:48	T25			WAN	Cellular 2 - ATT disconnected (WAN failed PING test)
05-15 15:41:37	T05			WAN	Cellular 1 - VZW connected to Verizon Wireless (10.178.95.13)
05-15 15:41:14	T33			System	Time synchronization fail
05-15 15:38:55	T05			WAN	Cellular 1 - VZW disconnected
05-15 15:38:55	T05			WAN	Cellular 1 - VZW disconnected
Refresh More...					

Getting Detailed PepVPN/SpeedFusion Information Group Level

InControl 2 makes it easy to monitor the real time performance and activity of PepVPN / SpeedFusion endpoints. To get started, select a Group. Then click **PepVPN / SpeedFusion > Live Status - Tabular View**.



To see receive/transmit, packet drop rate, and latency statistics for a listed endpoint, click the disclosure triangle.

PepVPN / SpeedFusion Live Status - Tabular View

	Device A	Device B	Profile Name	IP / Subnet Address(es)
	Balance_642F (192C-1835-642F)	MAX-HD2-8B29 (2830-A289-8B29)	MAX-HD2-8B29-2830-A289-8B29	Start

For a visual representation of this data, click the graph icon on the right.

PepVPN / SpeedFusion Live Status - Tabular View

	Device A	Device B	Profile Name	IP / Subnet Address(es)
	Balance_642F (192C-1835-642F)	MAX-HD2-8B29 (2830-A289-8B29)	MAX-HD2-8B29-2830-A289-8B29	Start
Device A				
WAN 1		Rx: 0 kbps	Tx: 0 kbps	Drop Rate: 0 /s Latency: 32 ms
WAN 2		Rx: -	Tx: -	Drop Rate: - Latency: -
LAN 1 as WAN		Rx: -	Tx: -	Drop Rate: - Latency: -
LAN 2 as WAN		Rx: -	Tx: -	Drop Rate: - Latency: -
LAN 3 as WAN		Rx: -	Tx: -	Drop Rate: - Latency: -
Mobile Internet		Rx: -	Tx: -	Drop Rate: - Latency: -
Device B				
WAN		Rx: 0 kbps	Tx: 0 kbps	Drop Rate: 0 /s Latency: 32 ms

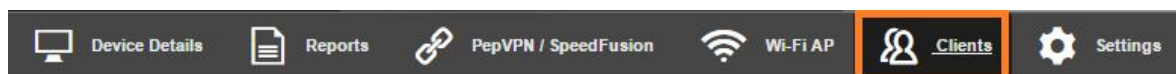
Hover over graphed lines to see details. You can also click items in the graph legend to show/hide them.



Monitoring Clients **Group Level**

InControl 2 offers comprehensive client reporting in real time. To access a list of all connected clients, click **Clients** in the navigation bar, when you are on the

Group Level



For detailed information on a connected client, click its link in the **Name** column.

Refresh:

Search: Showing 1 to 1 of 1 entries

Type	Name	IP Address	SSID	Band	Signal	Traffic	Access Mode	Action
	AlanTest-PC	192.168.1.13	-	-	-	-	-	

On the Clients detail page, you'll see the client's current location, as well as other data. To see historical data for the client, click **Event Log**.

[Clients](#) > AlanTsui-PC**Details**

IP Address 192.168.1.13
MAC Address A4:1F:72:8F:E6:DF
Connection Ethernet
Manufacturer Dell Inc.
History [Event Log](#)

Status: ■ Connected

Device Balance_642F
Traffic 0 kbps

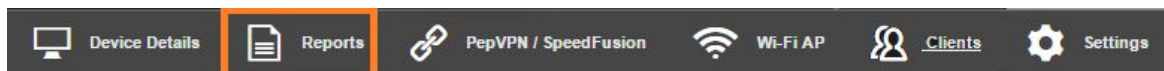
Bandwidth Usage in Last 30 days

Date	Download	Upload	Total
2017-02-12	86.3 MB	13 MB	99.3 MB
2017-02-10	394 MB	62.5 MB	456 MB

5. Reporting

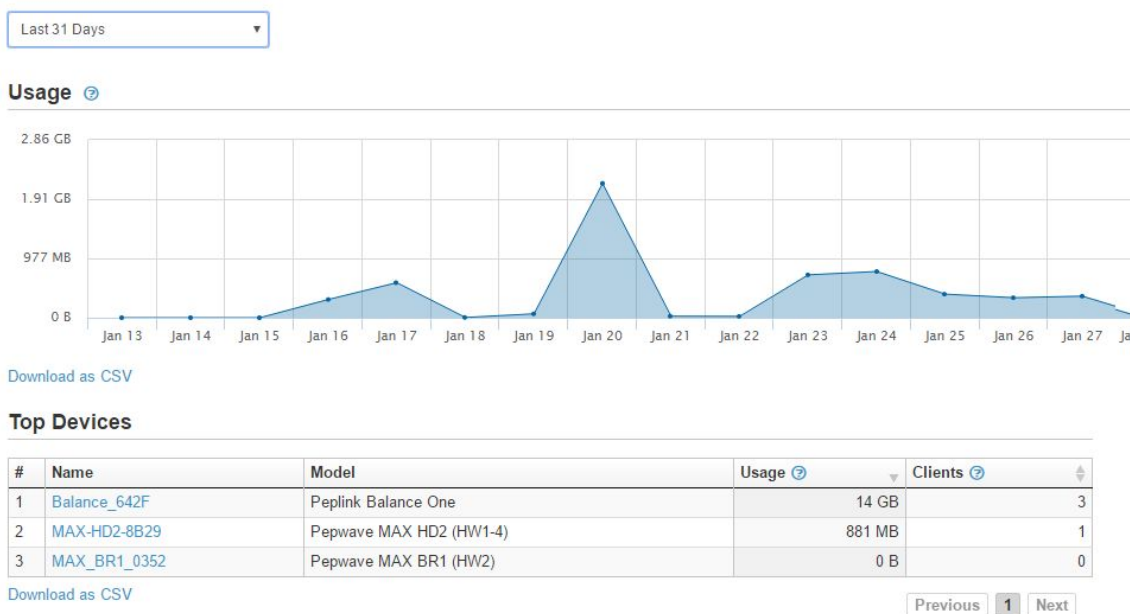
InControl 2 offers a variety of reports to help you monitor network and client devices. To access these reports select **Reports** from the navigation bar while working at the

Group Level



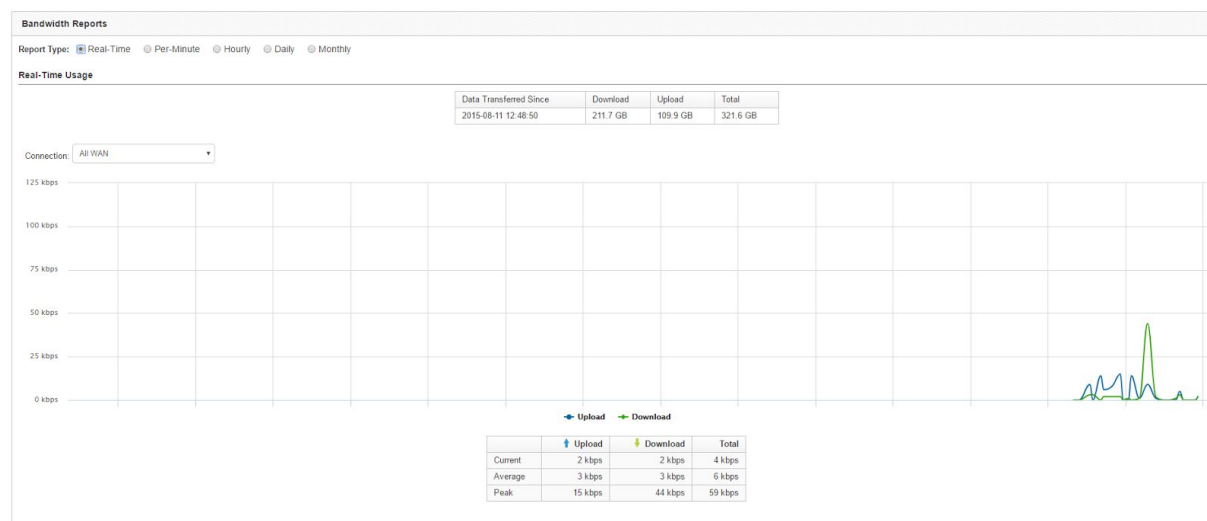
Device Reports

To get an in-depth look at network equipment and client devices, select **Reports > Device Reports**. For more detail on displayed data, click on available links and hover over graph data.



Bandwidth Reports

The Bandwidth Report represents real-time, per-minute, hourly, daily, and monthly bandwidth statistics. You can display the data for WAN, LAN, or mobile internet connections.



Hover over any data point for download, upload, and total information.

The same data displays in a table below the graph. Click **Download as CSV** to save the data to a spreadsheet or database.

Wi-Fi Reports

This report offers the same data as Device Reports, plus an SSID usage table to help you determine which access points are handling the most traffic.

SSID Usage

#	SSID	Encryption	# Clients	% Clients	Usage	% Usage
1	680-wifi	WPA/WPA2 Personal	2	100.00%	658.6 MB	100.00%

[Download as CSV](#)[Previous](#) **1** [Next](#)

Cellular Reports

You can take a look at signal strength and quality over time--from ten minutes to 12 hours--with the Cellular Report.

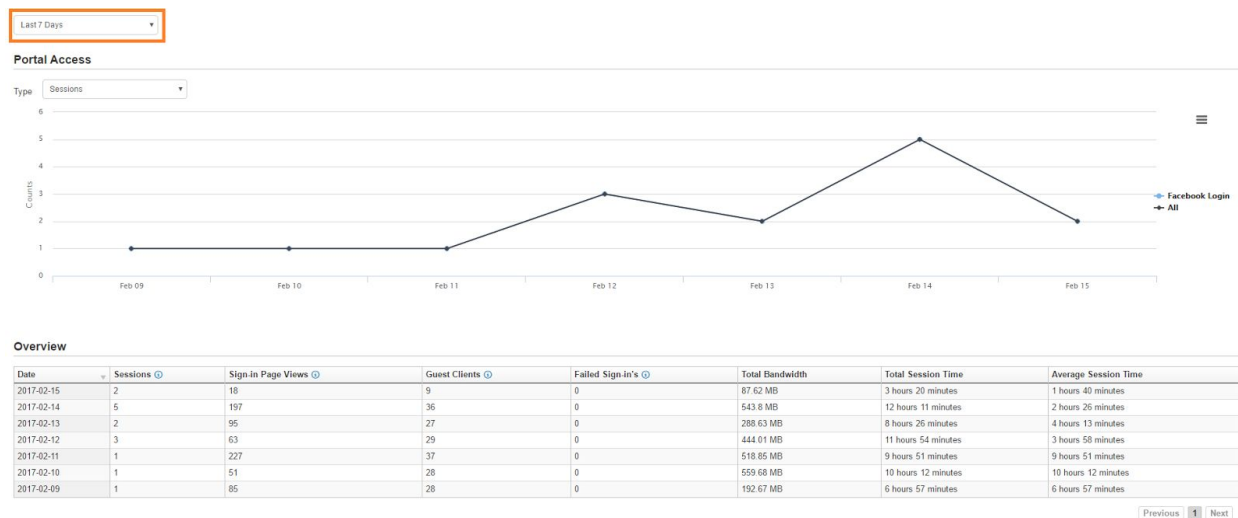


Hover over any data point for strength and quality information.


The map below the graph allows you to filter and display the results by strength and/or quality.

Captive Portal Reports

This report displays data and analysis about captive portal sessions and users during the specified time period.



The reports display the following information about captive portals and their users:

Captive Portal Reports	
Portal Access	Provides a visual representation of the number of Sessions, Sign-in Page Views, Guest Clients, Failed Sign-Ins, Total Bandwidth, Total Session Time and Average Session Time. Click the
Overview	This table displays all the information from the Portal Access fields listed above, for each day in the specified time period. Click the  next to a column heading for an explanation of the data.
Visits In Each Access Mode	Choose a portal and type (see portal access above) to displays the number of visitors by Facebook and All logins for the specified time period.
Genders	Displays a pie chart of users by gender.
Countries	Displays a pie chart of users by country.
Relationship Status	Displays a pie chart of users by their Facebook relationship status.
Social User List	Displays the names, demographic information, and login details of users who signed into the captive portal with a Facebook account. The name field links you to the Facebook account. Click Download full list as CSV to save the data to a spreadsheet or database.
Collected E-mail Addresses	Displays the number of e-mail addresses captured by the captive portal. Click Download as CSV to save the data to a spreadsheet or database.
SMS Users	Displays the number of phone numbers captured by the captive portal. Click Download as CSV to save the data to a spreadsheet or database.

Event Log

The Event Log lets you track any kind of system event and can be filtered using an array of presets. You can also specify custom report filtering criteria.

Search & Filter

Search:

From to

☒ System ☒ SpeedFusion ☐ WAN ☐ WLAN ☐ IPsec ☐ PPTP ☐ L2TP ☐ IP Conflict ☐ MAC Conflict ☐ HA ☐ DDNS ☐ AirProbe ☐ NFC ☐ DHCP ☐ Switch

Select [All | None | Default]

2017-02-06 01:39:54 - 2017-02-12 21:51:37

Time	Device	SSID	Client	Type	Details
Sun, Feb 12 21:51:37	Balance_642F			System	Changes applied
Sun, Feb 12 21:51:27	Balance_642F			System	PepVPN configuration has been updated by InControl
Sun, Feb 12 21:12:52	Balance_642F			System	Changes applied
Sun, Feb 12 21:12:43	Balance_642F			System	PepVPN configuration has been updated by InControl
Sun, Feb 12 21:05:53	Balance_642F			System	Changes applied
Sun, Feb 12 21:05:42	Balance_642F			System	PepVPN configuration has been updated by InControl
Mon, Feb 06 21:59:34	Balance_642F			System	Changes applied
Mon, Feb 06 21:57:50	Balance_642F			System	Changes applied
Mon, Feb 06 21:56:33	Balance_642F			System	Changes applied
Mon, Feb 06 21:55:59	Balance_642F			System	Changes applied
Mon, Feb 06 21:55:21	Balance_642F			System	Changes applied
Mon, Feb 06 01:39:54	Balance_642F			System	Changes applied

Download as CSV 