

InfinID Technologies, Inc.

**V-TAG GATEWAY
Setup**

August 10th, 2018

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1.0 Gateway Overview

The V-Tag Gateway manages all messages that are sent to and from the V-Tag network. There can be more than one Gateway per facility.

The device can attach to either a Wi-Fi network or be plugged directly into the network. The green light indicates that the V-Tag Gateway has power. The orange light will come up when the device has access to the internet. There is also a factory reset pin just below the green power light.

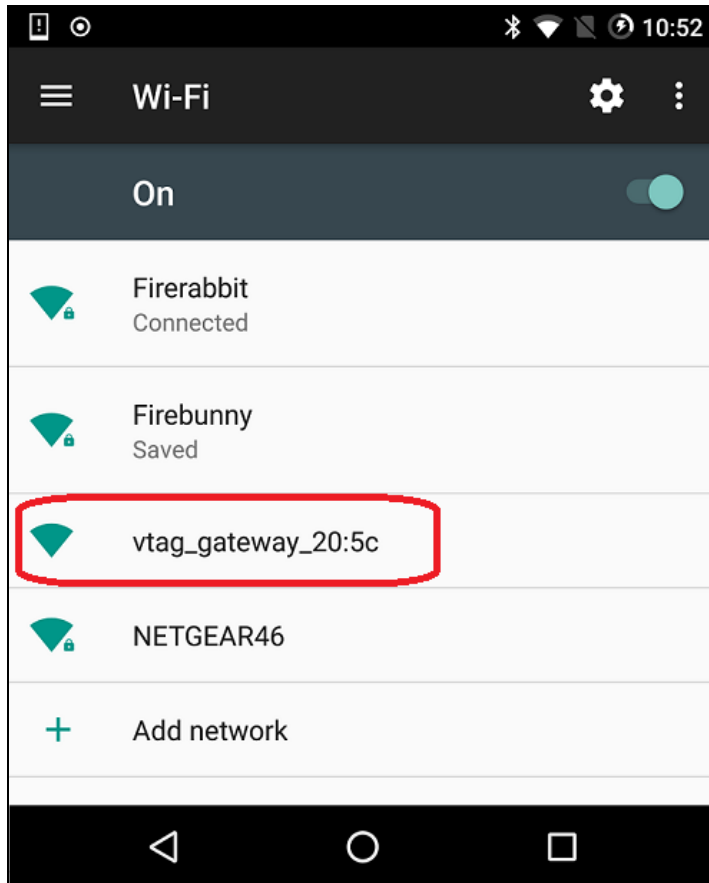
The device requires a 5V 2.5 amp power supply. Substituting a different power supply with fewer amps or voltage can result in unpredictable performance.

These instructions will guide the user in how to setup the Smart Gateway after it has been powered up.



1.1 Connect to the hotspot Wi-Fi network

The Smart Gateway will by default run a Wi-Fi hotspot which you can use to connect to and configure the device.




Connecting using your phone makes configuring the device easy while at the customer facility. Android devices may warn you that the device has no internet access in which case you will have to say YES to stay connected.



1.2 HTTPS Warning

The V-Tag Gateway uses an encrypted HTTPS connection to keep all of your communications with the Gateway secure. This connection uses a “self signed” certificate. Most browsers will warn you that this certificate is not trusted. For a local device on your network this warning can be ignored. Press Proceed to continue to the login screen.



Your connection is not private

Attackers might be trying to steal your information from **172.24.1.1** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_AUTHORITY_INVALID

☐ Automatically send some [system information and page content](#) to Google to help detect dangerous apps and sites. [Privacy policy](#)

HIDE ADVANCED

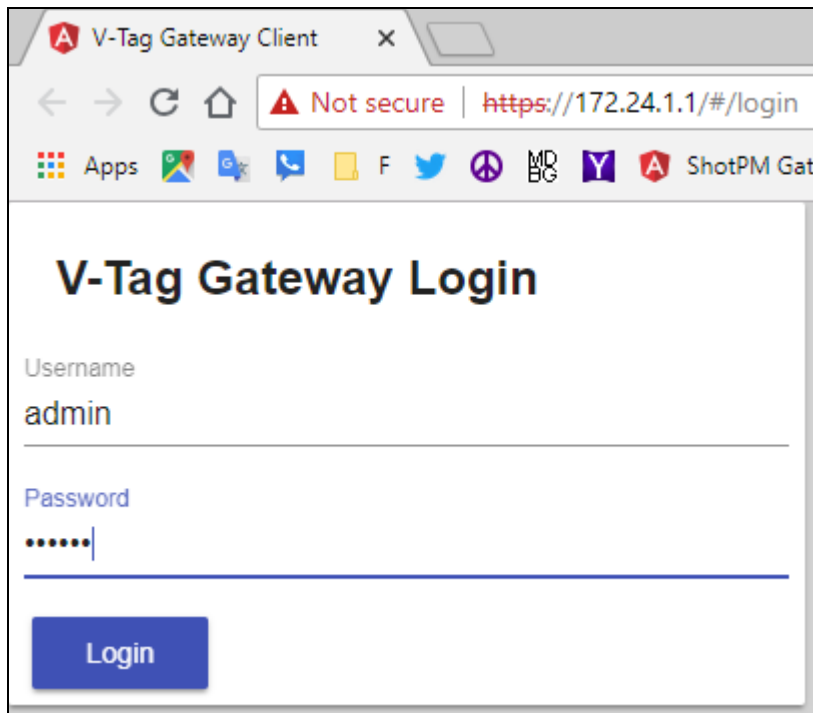
[Back to safety](#)

This server could not prove that it is **172.24.1.1**; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

[Proceed to 172.24.1.1 \(unsafe\)](#)

1.3 Login

After you connect to the Smart Gateway hotspot, open your browser and go to the IP Address <https://172.24.1.1/>.



The default password is “change”.

1.4 System Overview

The home screen by default shows the current configuration of the V-tag Gateway. You can use the MAC Address under Wired Settings or Wi-Fi Settings to reserve IP Addresses with your router.

1.4.1 Gateway Password

A blue rectangular button with the text "Change Gateway Password" in white.

This will change the “admin” password for the gateway web interface, the SSH password for data connections on Port 8422, as well as the standard SSH shell password to log into port 22.

1.4.2 Cloud Status

V-Tag Gateways can be configured to send data to the cloud via the V-Tag App which is available on [Android](#) and on [iTunes](#). [Sign up for the cloud](#) and then press the “Change Cloud Credentials” button. This will allow the Gateway to automatically push all of its data to the cloud where it will be accessible from your mobile app.

Alternatively, one could use the popular asset tracking program [AssetWorx](#) to manage your V-Tag Gateway connections.

1.4.3 Firmware Settings

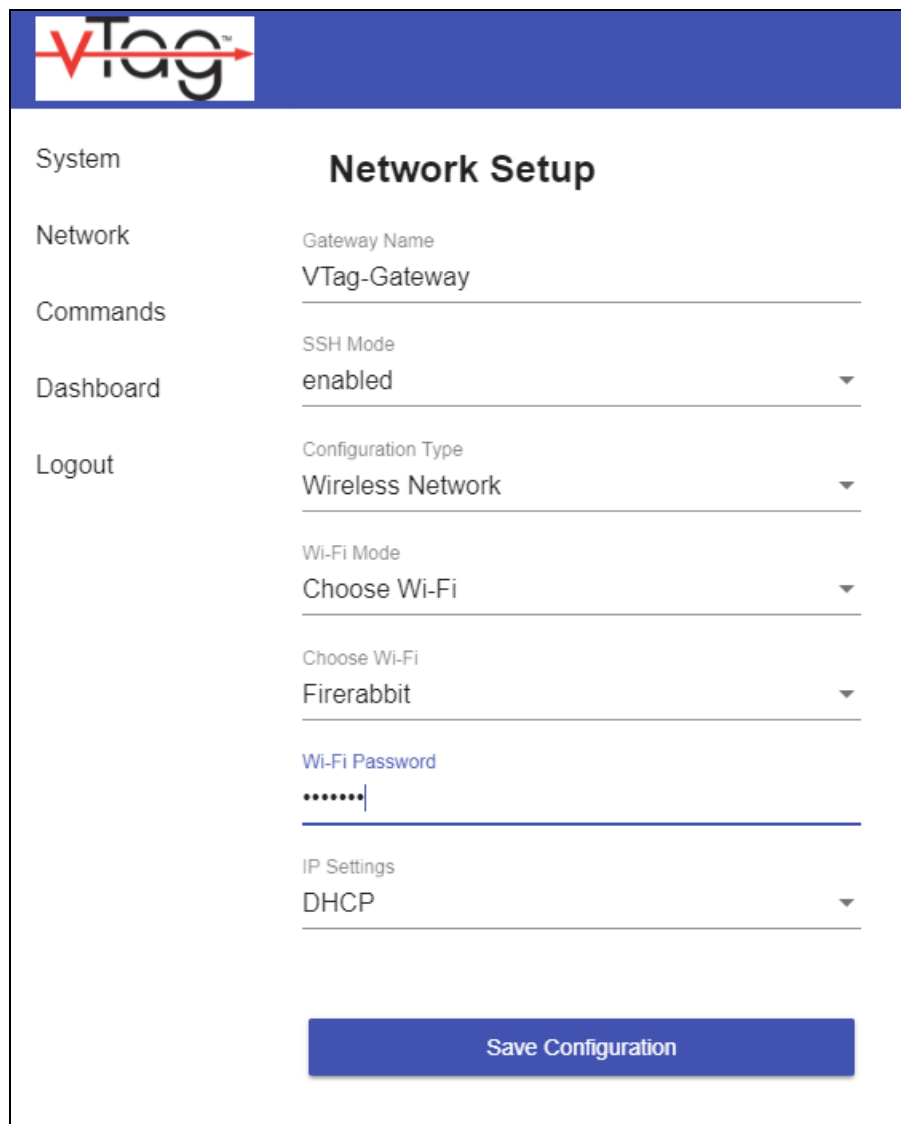
Firmware Settings details the model number and Firmware version of the Gateway. The App Version relates to the Gateway software version. Updates are released periodically so after the Gateway is configured, a user can log back in and if there is a new version available an “Update” button will appear.

1.5 Network

The Network screen will allow you to enter Static IP settings and/or enter your Wi-Fi credentials.

SSH Mode determines whether the Gateway will use Open Sockets on port 8322 or SSH on port 8422 for connecting to the Gateway data streams. SSH is more secure and is the default choice for this screen.

It is recommended that you configure this screen and click Save Configuration. Assuming all information such as Wi-Fi password is entered correctly, after 60 seconds the Gateway will let you know that it has been configured successfully. A configured gateway shuts down the open Wi-Fi Hotspot and enables ZeroConf/Bonjour services which makes the device discoverable on the network.



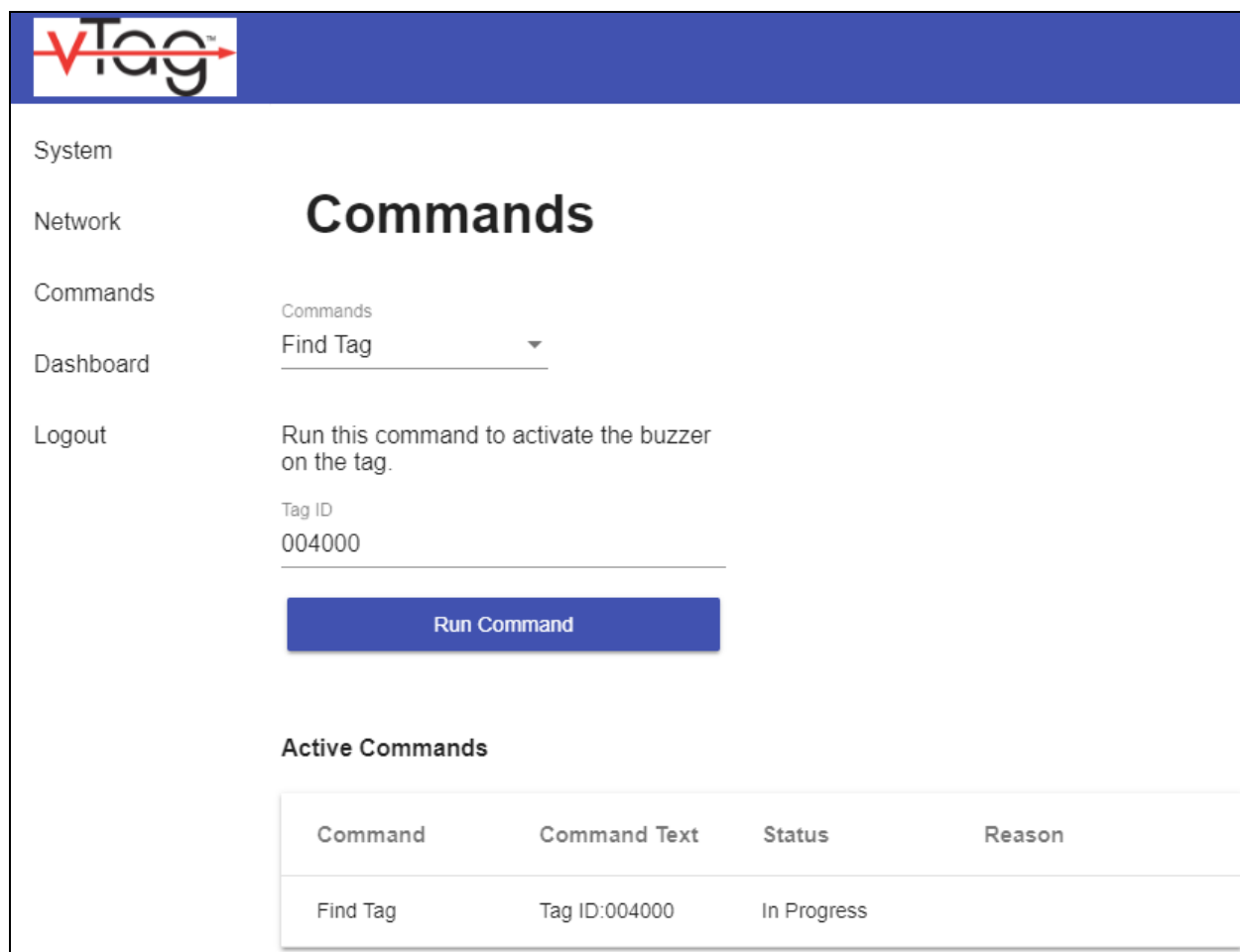
The screenshot shows the VTag Network Setup interface. At the top is a blue header with the VTag logo. On the left is a sidebar with navigation links: System, Network, Commands, Dashboard, and Logout. The main content area is titled 'Network Setup' and contains several configuration fields: Gateway Name (VTag-Gateway), SSH Mode (enabled), Configuration Type (Wireless Network), Wi-Fi Mode (Choose Wi-Fi), Choose Wi-Fi (Firerabbit), Wi-Fi Password (masked with dots), and IP Settings (DHCP). A blue 'Save Configuration' button is at the bottom.

System	Network Setup
Network	Gateway Name VTag-Gateway
Commands	SSH Mode enabled
Dashboard	Configuration Type Wireless Network
Logout	Wi-Fi Mode Choose Wi-Fi
	Choose Wi-Fi Firerabbit
	Wi-Fi Password
	IP Settings DHCP
	Save Configuration

1.6 Commands

The commands screen lets you run a variety of commands through the Gateway. When a command is first run it will start out in “Queued” mode followed by “In Progress”. Finally the command will move to either Success or Failure.

The commands screen is most useful if the Gateway is operating in the Push mode described in section 1.4. If instead the Alarm Monitoring Service (AMS) is connected to the Gateway, you can run all of these commands through the AssetWorx V-Tag Command Center interface. The AMS is more advanced can actually handle Gateway grouping, allowing you to run the same command across multiple Gateways at the same time. This is useful if you have many Gateways configured in a facility and want to run a command on a tag but are not sure which Gateway it is currently assigned to.



V-Tag

System

Network

Commands

Dashboard

Logout

Commands

Commands

Find Tag

Run this command to activate the buzzer on the tag.

Tag ID

004000


Run Command

Active Commands

Command	Command Text	Status	Reason
Find Tag	Tag ID:004000	In Progress	

1.7 Dashboard

Dashboard shows real-time information about the messages passing through the V-Tag network. This screen can be useful during initial setup to help diagnose the network.

	
System	Dashboard Analytics
Network	> B 00472 * 0015B2010010E00000000000000000000000000803F0040B64401010900BA004DD900
Commands	* 001E840100101300000000000000000000000000803F0040684501010D00BA004D1F00 * FF006D0030D00BA004DEB00 * 0020030100DFD500000000000000000000000000000400000404001010D00BA004DBF00
Dashboard	> B 00473 * 0015B2010010E00000000000000000000000000803F0040B64401010B00BA004DD500 * 001E840100101300000000000000000000000000803F0040684501010F00BA004D2500 * FF006D0030F00BA004DEB00 * 0020030100DFD500000000000000000000000000000400000404001010F00BA004DBB00