



User Guide

SpeedFusion Connect Relay

SFC-RLY: 8.3.0

March 2023

Specifications

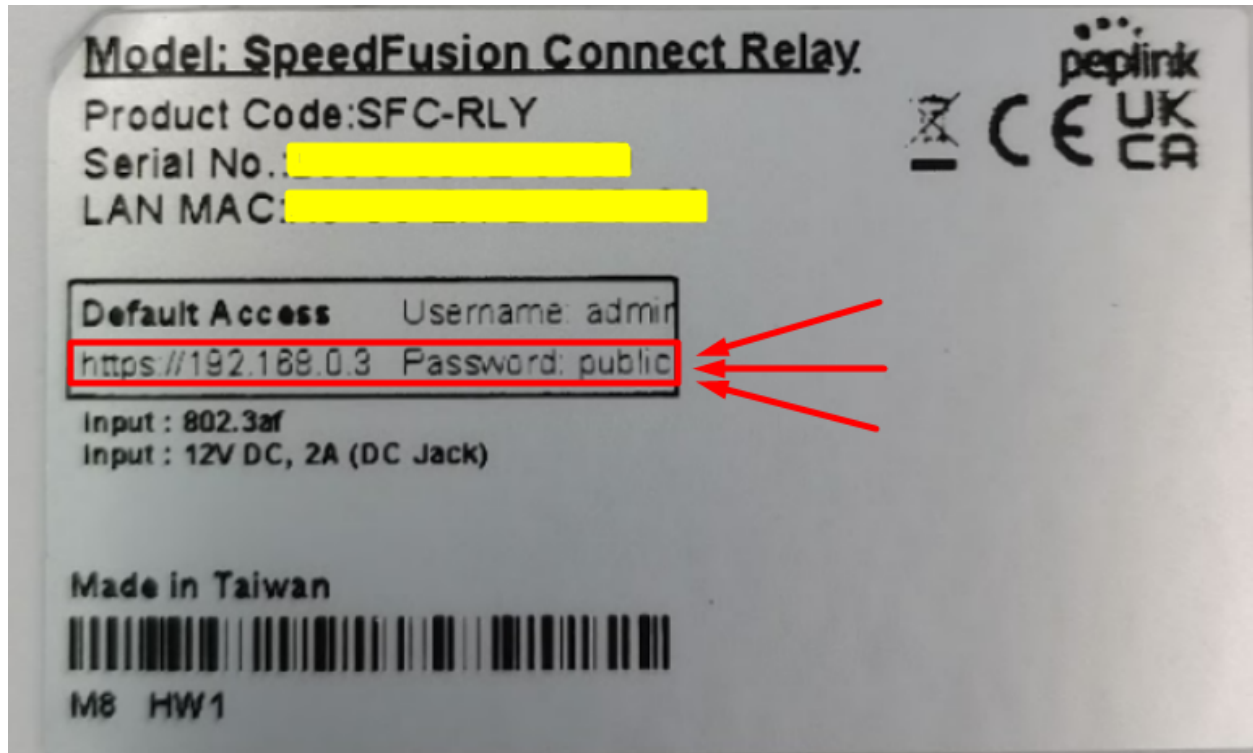


SpeedFusion Connect Relay

Ethernet Port	1x 10/100/1000 Ethernet
SpeedFusion VPN throughput (No Encryption)	100 Mbps
SpeedFusion VPN throughput (256-bit AES)	60 Mbps
Enclosure	Plenum-rated, Indoor Plastic
Power Input	12V DC Connector 802.3af PoE
Power Consumption	12W (max)
Dimensions	3.9 x 3.9 x 0.8 inches 98 x 98 x 19.7 mm
Weight	0.33 pounds / 150 grams
Operating Temperature	23° – 113°F / -5° – 45°C
Humidity	15% – 95% (non-condensing)
Package Content	SpeedFusion Connect Relay 1x 12V2A Power Supply (ACW-601) 1x Mounting Bracket
Warranty	1-Year Limited Warranty

Important Notice

If your device has a similar silver label as below, then it is likely part of an early production batch prior to the silver label update and it should be loaded with Firmware 8.3.0 GA (build 4906), by default.



1. Please take note that the default Username = admin, **Password = admin (NOT public)**.
2. In Firmware **8.3.0 GA**, the SFC Relay WAN interface operates in **DHCP client mode**, which it will obtain IP (eg. 192.168.1.10) from the upstream router/gateway device. The user can use a laptop to connect to the same network range and enter the WAN IP address (eg. 192.168.1.10) of SFC Relay in the address field of the web browser using HTTP/HTTPS.
3. In the later firmware (TBA), 8.3.0sXXX or 8.3.1 and above, the SFC Relay WAN will come with a default IP, 192.168.0.3. Users will be able to access the device out-of-the-box using this default IP, just like the AP One series.
4. Do note this is merely the firmware and silver label changes, the hardware remains the same.

Overview

SpeedFusion Connect Relay is Peplink's configuration that enables users to securely connect and access their home or remote network from anywhere globally. A private link is established between 2 Peplink endpoints to relay traffic from one endpoint through to the other before accessing the Internet.

Paired with Peplink's InTouch, this configuration lets users access and control a specified network's devices, such as computers, media servers, and smart home devices. Similarly, service providers can configure this within customer networks to remotely provide tech support without leaving the office.

This may be useful for frequent travelers or remote workers who need to remain connected to a dedicated network and its devices while on the go. SpeedFusion Connect Relay can be enabled in 2 ways:

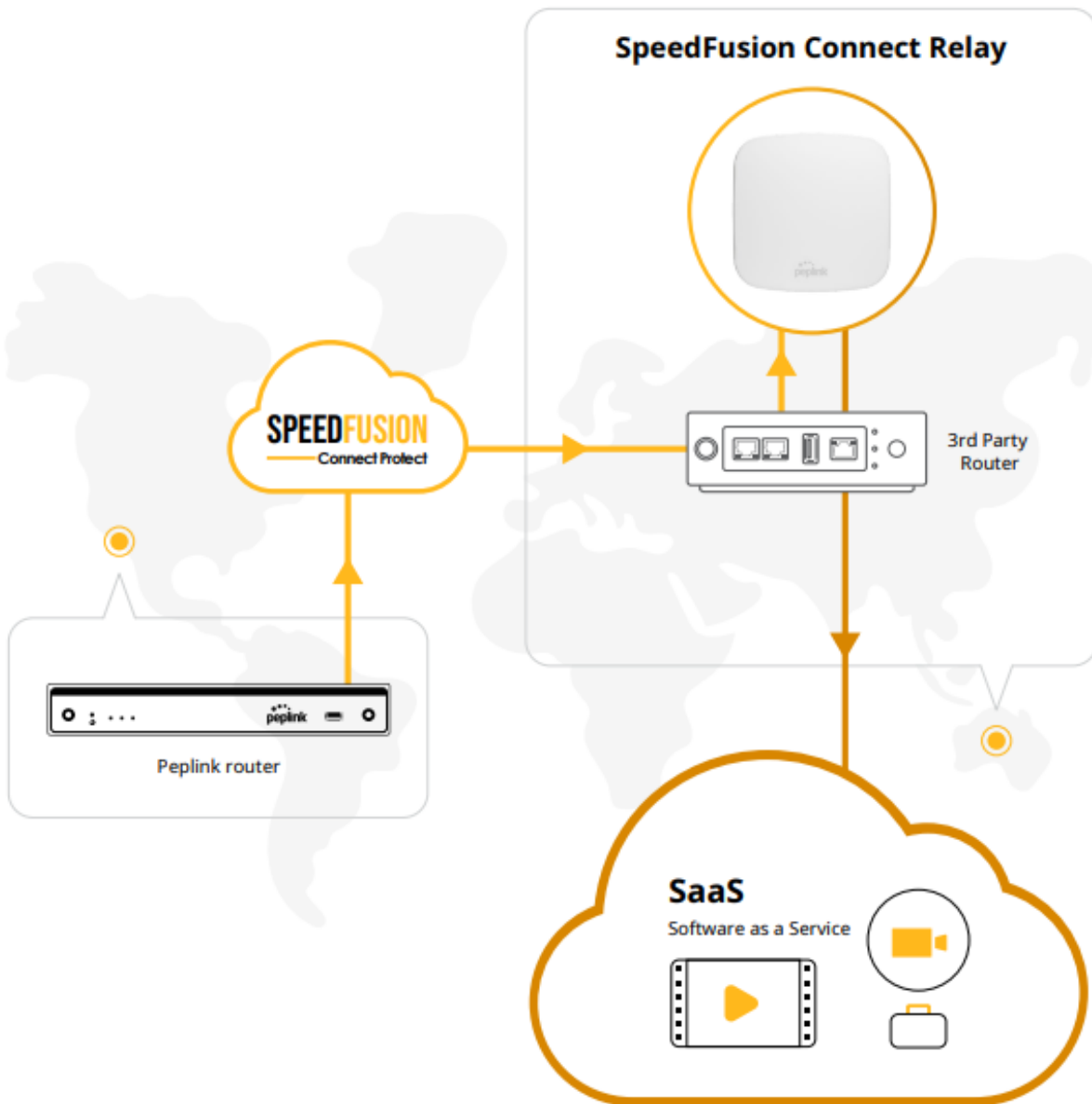
1. Using dedicated hardware

The SpeedFusion Connect Relay device is a plug-and-play gateway you can connect to your 3rd-party router so you can access its Internet even when physically away from it.

2. Configuring a Peplink Relay Server and Client with 2 supported Peplink routers

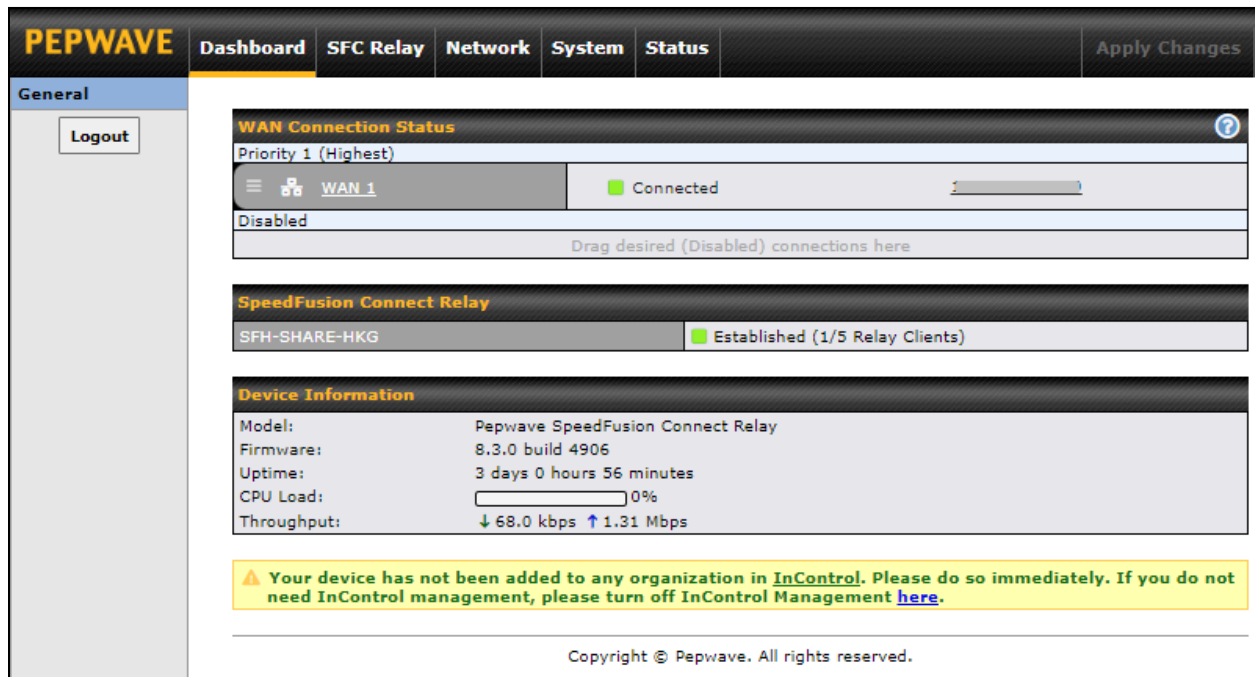
To learn more about how to configure a Peplink Relay Server and Client, visit <https://forum.peplink.com/t/configure-peplink-relay-server-and-client/6215ca9b017e48e0f3ff2479/>

SpeedFusion Connect Relay



Connecting to the Web Admin Interface

1. There are two methods to power on the SpeedFusion Connect (SFC) Relay as below:
 - 1.1. The device having built-in PoE port only, using an Ethernet cable to connect to the Power over Ethernet (PoE) switch
 - 1.2. Or, it has a DC power source, plug the AC adapter to the DC connector of the unit.
2. Wait for the status LED to turn green.
3. Connect the Ethernet port on the relay device to the network using an Ethernet cable.
4. Use a laptop and configure it in the 192.168.0.0/24 range (eg. 192.168.0.10) and enter the WAN IP address (eg. 192.168.0.3) of SFC Relay in the address field of the web browser using HTTP/HTTPS.
5. Enter the default admin login ID and password, **admin** and **admin** respectively.
6. After logging in, the Dashboard appears. Click the System tab to begin setting up the SFC Relay.

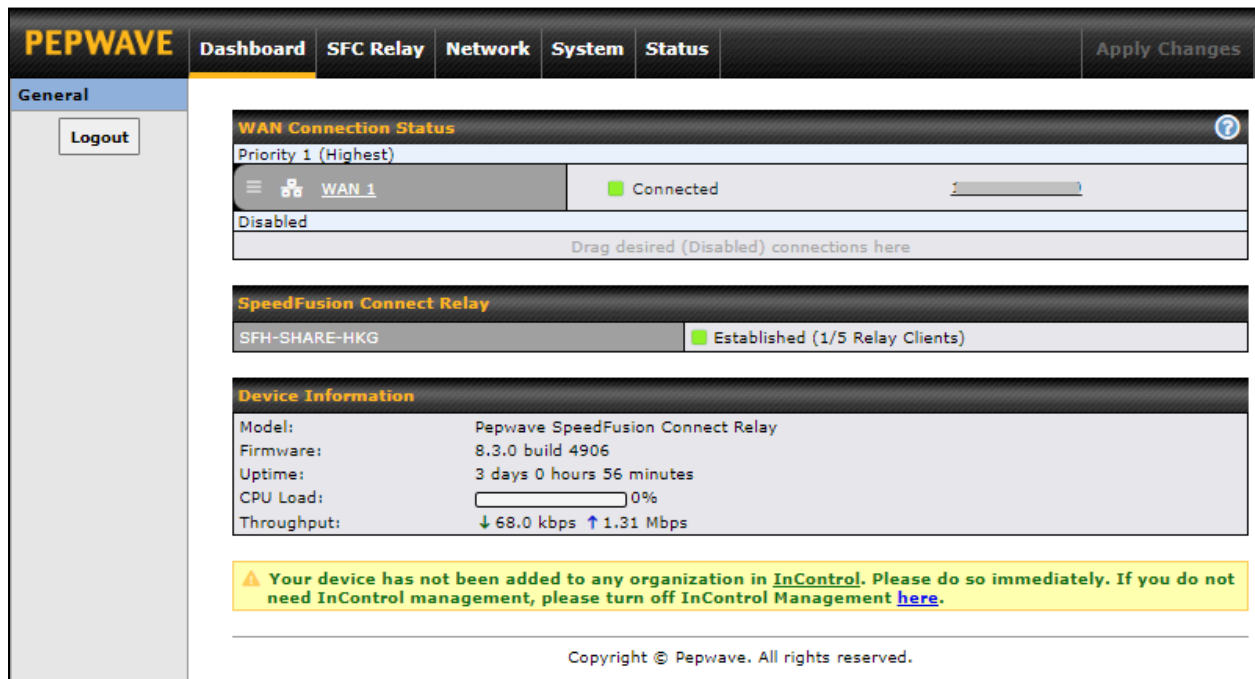


The screenshot shows the PEPWAVE web admin interface. The top navigation bar includes tabs for Dashboard, SFC Relay, Network, System, and Status, along with an 'Apply Changes' button. The left sidebar has a 'General' section with a 'Logout' button. The main content area displays three sections: 'WAN Connection Status' showing 'Priority 1 (Highest)' as 'Connected', 'SpeedFusion Connect Relay' showing 'SFH-SHARE-HKG' as 'Established (1/5 Relay Clients)', and 'Device Information' listing details like Model, Firmware, Uptime, CPU Load, and Throughput. A yellow warning banner at the bottom states: 'Your device has not been added to any organization in InControl. Please do so immediately. If you do not need InControl management, please turn off InControl Management here.' The footer indicates 'Copyright © Pepwave. All rights reserved.'

Dashboard

The **Dashboard** section contains a number of displays to keep you up-to-date on your access point's status and operation. Remote assistance can also be turned off here, if it has been enabled.

This section contains WAN connection status and general device information.



The screenshot shows the PEPWAVE Dashboard interface. The top navigation bar includes tabs for Dashboard, SFC Relay, Network, System, and Status, along with an 'Apply Changes' button. The left sidebar has a 'General' section with a 'Logout' button. The main content area displays three sections:


- WAN Connection Status:** Shows 'Priority 1 (Highest)' with a 'WAN 1' connection status of 'Connected' (indicated by a green square). Below this, it says 'Disabled' and 'Drag desired (Disabled) connections here'.
- SpeedFusion Connect Relay:** Shows 'SFH-SHARE-HKG' with a status of 'Established (1/5 Relay Clients)' (indicated by a green square).
- Device Information:** Lists the following details:
 - Model: Pepwave SpeedFusion Connect Relay
 - Firmware: 8.3.0 build 4906
 - Uptime: 3 days 0 hours 56 minutes
 - CPU Load: 0%
 - Throughput: 68.0 kbps (down arrow) 1.31 Mbps (up arrow)

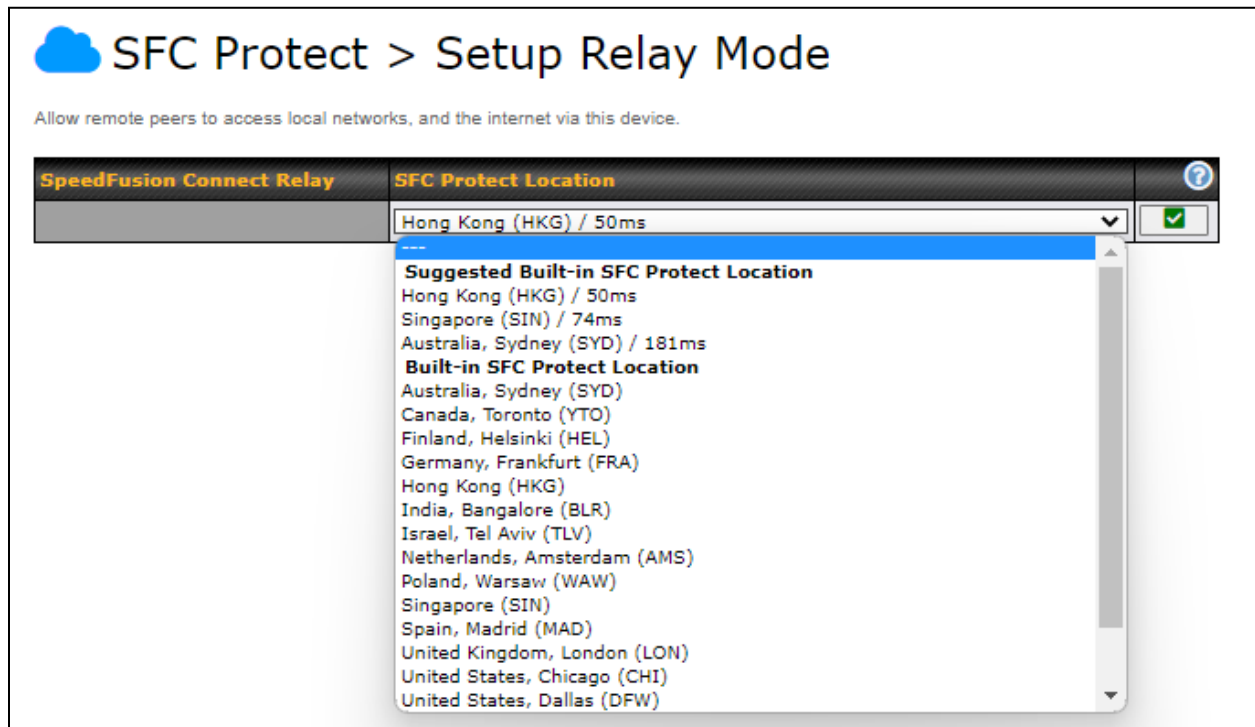
A yellow warning box at the bottom states: 'Your device has not been added to any organization in InControl. Please do so immediately. If you do not need InControl management, please turn off InControl Management [here](#).' The footer of the dashboard reads 'Copyright © Pepwave. All rights reserved.'

SFC Relay


This section will show how to configure the SpeedFusion Connect Relay Mode on the Relay device. To set up a Peplink Relay Mode, select **"Relay Mode - for Inbound accesses"**.



You may select a **SFC Protect Location** of your wish to connect to > Click on the  button to confirm the change.



The **Relay Sharing Code** will be generated, and other peers can use this code to establish a SpeedFusion Connect Protect that will forward the traffic to this device, allowing them to access local networks and the internet via your WAN connection.



SFC Protect > Setup Relay Mode

Allow remote peers to access local networks, and the internet via this device.

SpeedFusion Connect Relay	SFC Protect Location	
SFC-RELAY-SERVER-HKG	Relay Sharing Code: <input type="text"/>	