

SERVICE BULLETIN

NUMBER: 600870-000048, rev 1.0

SUBJECT: Wireless Blockage & Flow Monitor Access Point Firmware & Configuration Updates **DATE:** June 27, 2024

This service bulletin describes how to update access point firmware and configuration files if the access point network name (SSID) has been reset to factory settings (IASBlockage or IASNetwork does not show up in the iPad Wi-Fi settings).

Affected Parts

PART NAME	IAS PART NUMBER	IMAGE	PROBLEM
WBFM TP-Link access point	153510-000080	TP-LINK	Access point SSID has been reset to factory settings; only Power LED illuminates

NOTE: You will need a Windows laptop or computer, TP-Link and power supply, Ethernet cable, and access to an ECU to update the access point.



Determining Access Point Version and Configuration

NOTE: This procedure must be performed using a Windows laptop.

- 1. **Determine Access Point Version.** Slide off the cover on the bottom of the access point, and find the product model and version on the label.
 - If it says Ver: 2.0, it is Version 2 (V2).
 - If it says *Ver: 3.#*, it is Version 3 (V3).
 - If there is no version on the label, it is Version 1 (V1). If your access point is V1, you **do not need to perform any updates in this service bulletin**.



IMPORTANT: Upgrading firmware on an incompatible model may damage your device and void the warranty.

- 2. Determine Configuration. Locate the serial number on one of your ECUs.
 - If the serial number begins with **WBM**, it's **SSID1**.
 - If the serial number begins with *WB2*, it's **SSID2**.



- 3. Navigate to <u>intelligentag.com/support</u> and find the Recon Wireless Blockage and Flow Monitor section. In the 2024 Service Bulletins section, download these files:
 - The configuration file for your system based on the access point version and the SSID number you determined in the previous step (you only need to download one file, not all of them).
 - V2 access points only: The TP-Link firmware file.



Connecting the Access Point to the Computer

1. Connect an Ethernet cable to the port labeled **LAN0** or **LAN (POE IN)** on the bottom of the access point assembly.

NOTE: Some TP-Links only have one connection point.

2. Connect the other end of the Ethernet cable to the **POE** port of the black TP-Link power supply.



- 3. Connect the access point inverter power cord to the black TP-Link power supply and plug it into a wall outlet.
- 4. Press and hold the reset button for 8 seconds to reset the access point to factory settings.
- 5. Power cycle the access point (unplug and re-plug in the power cord).
- 6. Plug an Ethernet cord into the LAN port on the black TP-Link power supply and plug the other end into the Ethernet port on a laptop or computer.





Configuring Network Settings

1. Click the networks shortcut on the taskbar, then click **Network & Internet settings** or **Open Network and Sharing Center**.



2. Under Advanced network settings, click **Change adapter options**.

← Settings	- 🗆 X		
命 Home	Status		
Find a setting ρ	Network status		
Network & Internet			
🖨 Status	Ethernet Public network		
<i>í</i> , Wi-Fi	You're connected to the Internet		
記 Ethernet	metered connection or change other properties.		
🛱 Dial-up	From the last 30 days		
% VPN	Properties Data usage		
$v_{\mathcal{V}}^{n}$ Airplane mode			
^(ပု) Mobile hotspot	View the connection options around you.		
Proxy	Advanced network settings		
	Change adapter options View network adapters and change connection settings.		
	Retwork and Sharing Center For the networks you connect to, decide what you want to share.		



3. Right click Ethernet, then click **Properties**.

	Etherr	net		
- Star	•	Disable		P
-14		Status		
		Diagnose		
	•	Bridge Connections		
		Create Shortcu	t	
	•	Delete		
	•	Rename		
	•	Properties		

4. Double-click Internet Protocol Version 4 (TCP/IPv4).

Ethernet Properties	×			
Networking Sharing				
Connect using:				
Intel(R) Ethemet Connection I218-LM				
Configure]			
This connection uses the following items:				
Client for Microsoft Networks				
File and Printer Sharing for Microsoft Networks				
Co C Packet Scheduler				
Internet Protocol Version 4 (TCP/IPv4)				
Imicrosoft Network Adapter Multiplexor Protocol				
Microsoft LLDP Protocol Driver				
Internet Protocol Version 6 (TCP/IPv6)				
< >				
Install Uninstall Properties				
Description				
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.				
OK Cancel				



5. Select **Use the following IP address** and enter the information below.

NOTE: Make note of your current settings so that you can change them back at the end of this process.

- IP Address: 192.168.0.10
- Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.0.254

nternet Protocol Version 4 (TCP/IPv4) Properties	×
General		
You can get IP settings assigned auto this capability. Otherwise, you need t for the appropriate IP settings.	matically if your network supports o ask your network administrator	
Obtain an IP address automatica	ally	_
Ouse the following IP address:		1
IP address:	192.168.0.10	L
Subnet mask:	255.255.255.0	I
Default gateway:	192.168.0.254	I
Obtain DNS server address auto	matically	
Use the following DNS server ad	dresses:	
Preferred DNS server:		
Alternate DNS server:		
Validate settings upon exit	Advanced	
	OK Cancel	

6. Click OK.



Connecting to the Access Point

1. Open a web browser such as Chrome or Firefox and type **192.168.0.254** into the address bar. Press **enter** on your keyboard.



2. Log into the TP-Link Pharos web interface with the credentials below, then click **Login**.

Password: admin Username: admin

3. Create a new password. It doesn't matter what you pick; this will be erased during reconfiguration. Click **Finish**.

Updating Firmware

IMPORTANT: If your access point has V3 firmware, you do not need to update firmware. Skip this step and go to *the Updating Configuration Files* section on the next page.

1. Click the **System** tab.

	PHAROS		Operation Mod	le: Access Point	About	Support Log Out
QUICK SETUP	STATUS	NETWORK	WIRELESS	MANAGEMEN	SYSTEM	
Device	ce Name: CPE210	<u> </u>	Location	Longitude: 0	X°.	
C.	anguage: English		pply	Latitude: 0	5	

2. In the Firmware Update section, click **Browse** next to Upload Firmware and choose the TP-Link firmware file that you downloaded off the website earlier. Click **Upload**.

	Firmware Update			
	OUL	Firmware Version: Upload Firmware:	Browse Upload	OUL



3. When prompted, click **Restore**.



When the upgrade completes, the device will reboot.

4. Log into the device again and click **Status** tab. Check that the firmware version is updated.



Updating Configuration Files

Once the firmware is updated (if applicable), update the configuration files.

1. Click the **System** tab. In the Configuration section, click **Browse** next to Upload Configuration.

Configuration						
Backup Configuration:	Backup					
Upload Configuration:		Browse	Upload			
Reset to Factory Default:	Reset					
Reboot Device:	Reboot					

- 2. Navigate to the SSID configuration file that you downloaded earlier, then click **OK**. Click **Upload**.
- 3. When the update is complete, change your laptop network adapter settings to its original settings.
- 4. Connect to the IAS Wi-Fi network to make sure that the network is broadcasting correctly.
- 5. Re-install your TP-Link in the tractor cab.

Contact

Questions? Contact your dealer or contact support at +1-877-912-5973.