

# Release Note for Web-based Device GUI Version 2.10.x



» 2.10.0

Allied Ware Plus operating system

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# What's New in Version 2.10.0

Product families supported by this version:

SwitchBlade x908 GEN2 SwitchBlade x8100 Series x950 Series x930 Series x550 Series x530 Series x530L Series x510 Series x510L Series IX5-28GPX x310 Series x320 Series x230 Series x230L Series x220 Series IE510-28GSX-80 **IE340** Series **IE340L** Series **IE300** Series **IE210L** Series **IE200** Series

XS900MX Series GS980MX Series GS980M Series GS980EM Series GS970M Series GS900MX/MPX Series FS980M Series AR4050S AR3050S AR3050S AR2010V AR1050V

## Introduction

This release note describes the new features in the Allied Telesis Web-based Device GUI version 2.10.0. You can run 2.10.0 with any AlliedWare Plus firmware version on your device, although recent GUI features may only be supported with recent firmware versions.

For information on accessing and updating the Device GUI, see "Accessing and Updating the Web-based GUI" on page 11.

The following table lists model names that support this version:

Table 1: Models

Models	Family
SBx908 GEN2	SBx908 GEN2
SBx81CFC960	SBx8100
x950-28XSQ x950-28XTQm x950-52XSQ	x950
x930-28GTX x930-28GPX x930-52GTX x930-52GPX x930-28GSTX	x930



#### Table 1: Models (cont.)

Models	Family
x550-18SXQ x550-18XTQ x550-18XSPQm	x550
x530DP-28GHXm x530DP-52GHXm x530-28GTXm x530-28GPXm x530-52GTXm x530-52GPXm x530L-28GTX x530L-28GPX x530L-52GTX x530L-52GPX x530L-10GHXm	x530 and x530L
x510-28GTX x510-52GTX x510-52GPX x510-52GPX x510-28GSX x510-28GSX-80 x510DP-28GTX x510DP-28GTX x510L-28GT x510L-28GP x510L-52GT x510L-52GP	x510 and x510L
IX5-28GPX	IX5
x310-26FT x310-50FT x310-26FP x310-50FP	x310
x320-10GH x320-11GPT	x320
x230-10GP x230-10GT x230-18GP x230-18GT x230-28GP x230-28GT x230L-17GT x230L-26GT	x230 and x230L
x220-28GS x220-52GT x220-52GP	x220
IE510-28GSX	IE510-28GSX
IE340-12GT IE340-12GP IE340-20GP IE340L-18GP	IE340 and IE340L
IE300-12GT IE300-12GP	IE300
IE210L-10GP IE210L-18GP	IE210L



#### Table 1: Models (cont.)

Models	Family
IE200-6FT IE200-6FP IE200-6GT IE200-6GP	IE200
XS916MXT XS916MXS	XS900MX
GS980MX/10HSm GS980MX/28 GS980MX/28PSm GS980MX/52 GS980MX/52PSm	GS980MX
GS980M/52 GS980M/52PS	GS980M
GS980EM/10H GS980EM/11PT	GS980EM
GS970M/10PS GS970M/10 GS970M/18PS GS970M/18 GS970M/28PS GS970M/28	GS970M
GS924MX GS924MPX GS948MX GS948MPX	GS900MX/MPX
FS980M/9 FS980M/9PS FS980M/18 FS980M/18PS FS980M/28 FS980M/28DP FS980M/28PS FS980M/28PS FS980M/52 FS980M/52PS	FS980M
AR4050S AR3050S	AR-series UTM firewalls
AR2050V AR2010V AR1050V	AR-series VPN routers



### **New Features and Enhancements**

This section summarizes the new features in the Device GUI software version 2.10.0.

### Read-only support on wireless for Vista mini

Applicable to devices running AlliedWare Plus 5.5.1-2 onwards.

From Device GUI version 2.10.0 onwards, logging in to the Device GUI with a priviledge level of less than 15 gives you read-only access to device information and network maps.

In read-only access, you can click refresh to update the device information and you can also view Network topology and Heat maps set by the Administrator:





In addition, the GUI login user-name is now displayed in the GUI's top bar:





When a read-only user is logged in, all buttons except the **Refresh** button are disabled:

1	x550-18XSPQm					x550-18	XSQ-master	Up time: 11 days 17:2	1 manager	Save
	Monitoring							4 Tri	Emergency Off	Configure
	Monitoring and Configuration: allows you to see the You can easily monitor APs that may be unauthorize	e status of wireless ed or in a failure st	APs and connecte ate, schedule insta	ed clients. int or delayed updates o	f configuration or firmware, or reb	oot any device.		N 8	sauled	
									COMPANY OF THE OWNER	
	Tree view	A	ccess Points	Channel Blanket	Smart Connect Clients	Neighbor APs Tasks				
	Tree view AT-x550-18XSPQm — G 🛃 TQ5403 - sc	A	ccess Points Search	Channel Blanket	Smart Connect Clients	Neighbor APs Tasks Last Update: 2021-11-17 11:23:28	am 👩 Refresh	LApply Config (3)	leboot 👔 Update Fi	(Trange 1
	Tree view AT+x550-18XSPQm — ☐ ☐ TQ5403 - sc		Search	Channel Blanket	Smart Connect Clients	Neighbor APs Tasks Last Update: 2021-11-17 11:23:28 Model ヘ	am 🕜 Refresh	Lapply Config 3	leboot Dydate Fi	riman
	Tree view           ↓ ATx550-18XSP0m →           ↓ T05403 - sc           ↓ T05403 sc orot           ↓ T05403 sc satellite           ↓ T05403 sc satellite           ↓ T05403 sc satellite		Search Name A TQ5403_1	Channel Blanket Status A Managed	Smart Connect Clients	Neighbor APs         Tasks           Last Update: 2021-11-17 11:23:28         Model ~           Model ~         AT-TQ5403	am C Refresh FW Ven 6.0.1-5.2	Sion A	Uptime A 51d 2h 19m	roware v
	Tree view           □ AT-s550-18XSPQm           □ \$ T05403 - sc           □ \$ T05403 sc root           □ \$ T05403 sc root		Search Name ^ TQ5403_1 TQ5403_2	Channel Blanket Status A Managed Managed	Smart Connect Clients Client	Neighbor APs         Tasks           Last Update:         2021-11-171 11:23:28           Model         ^           A7-TQ5403         A7-TQ5403	am C Refresh FW Ven 6.0.1-5.2 6.0.1-4.1	& Apply Config 5	Uptime ^ 51d 2h 19m 34d 21h 24m	
	Tree view  AT-s550-18XSP0m -		Search Name A TQ5403_1 TQ5403_2 TQ5403 sc ro	Channel Blanket Status ~ Managed Managed Managed	Smart Connect Clients Client	Neighbor APa         Taska           Last Update:         2021-11-17 11:23:28           Model         ^           A7-TQ5403         _           A7-TQ5403         _           A7-TQ5403         _	am CRefresh FW Ven 6.0.1-5.2 6.0.1-4.1 6.0.1-6.2	💲 Apply Config 👌 I	Leboot         Lipitate Fill           Uptime ^         51d 2h 19m           34d 21h 24m         6d 20h 27m	

### Usability improvements in Vista mini

Applicable to devices running AlliedWare Plus 5.5.1-2 onwards.

Device GUI version 2.10.0 provides improvements in **Wireless Setup** error handling, configuration, validation, and monitoring. The improvements allow you to:

 easily identify error notifications. Error notifications are displayed using red text and remain visible even if you move to a new page - for example, moving between Basic and Advanced settings:

Edit Network - Basic Settings		×		Edit Network	- Advanced Setti	ngs	×
SSID				General	Security	Fast Roaming	
tachikawa							
Description (Optional)				Hide SSID			Disabled Enabled
Enter description				VLAN ID			
Status	Normal	~		1			
Trigger	None	~		Band Steering			Disabled Enabled
Security	WPA Personal	~		Association Adver	rtisement		Disabled Enabled
Key			-				
tachikawa				Proxy ARP			Disabled Enabled
Broadcast Key Refresh Interval				DTIM Period			
0				1			
Feature: SSID Page: Basic Settings Unknown url and verb combination				Feature: SSID Page: Basic Se Unknown url a	ettings nd verb combinat	ion	-
Advanced Settings >	Cancel	Save		< Basic Set	tings		Cancel Save



check and refresh the **Status** of Network, AP Profile, and Access Point configurations:

Wireless Setup						
Wireless Setup: enable wireless managem Use Auto-Setup to automatically discover a Alternatively, use the 'Networks' and 'Acces When you use 'WPA-Enterprise', 'OSEN' or Start Networks Access	ent and set a management IP address to ge ind set up your access points. Is Points' tabs to manually set up new netw "Captive Portal", please configure [AAA] Points MAC Filter	rt started. orks, profiles and access. to specify RADIUS Server.				
Filter for Access Points			Access Points status	3 Profiles 0 SC Profile	B C Refresh + Add Profile	+ Add Smart Connect Profile +
Profiles Smart Connect Profile	\$					
Profile: TQ5403 Hybrid				> c	config Status: 🥝 🛛 Configurable	AT-TQ5403 🎤 Edit Profile 👔
Name	MAC Address	IP Address	Status			
Hybrid boardroom	000a.959d.6816	192.168.22.1	Discovering		1	Edit Username / Password 🖌 Edit
Hybrid meeting room	000a.959d.6720	192.168.22.2	Discovering		1	Edit Username / Password 🖌 Edit

easily identify a missing configuration - look in the **Status** column:

Profile: Outdoor			Config Status: 🔗 Configurable	AT-TQ5403e 🎤 Edit Profile 👔
Name	MAC Address	IP Address	Status	
Entrance	000a 959d 8828	192.168.22.5	Discovering	✔ Edit Username / Password ✔ Edit
Courtyard		192.168.1.6		✔ Edit Username / Password ✔ Edit

 confirm a configuration is being applied - when you click the Save button, a spinning wheel animation is displayed:



enable or disable an Access Point configuration:

Edit Access Point - Basic Settings	×
Name	
Hybrid boardroom	
Status	Disabled Enabled
MAC Address	
000a.959d.6816	
IP Address	
192.168.22.1	
Profile	TQ5403 Hybrid 🗸
Advanced Settings >	Cancel Apply

monitor the Status of enabled Access Points and connected clients : Wireless > Monitoring

Tree view	Access Points Channel Blanket	Smart Connect Clien	ts Neighbor APs Tasks	
□ AT x 550-18X 5Q - □ ▲ TQ1402 □ ♀ TQ-1402_1	Search	Status 🔨	Client 🔨	Model 🔨
	□ TQ-1402_1	Managed	0	AT-TQ1402
□	□ TQ-1402_2	Managed	0	AT-TQ1402
□ <b>#</b> TQ6602	□ TQ-5403_1	Managed	0	AT-TQ5403
a test	□ TQ-5403_2	Managed	0	AT-TQ5403
□ 🕈 tachikawa_ap	□ TQ-6602	CONFIG_MISSING_VAP0	0	AT-TQ6602
	tachikawa_ap	CONFIG_MISSING_RADIUS	0	-

 confirm that a configuration is applied correctly to an Access Point. If an Access Point is not managed, the configuration will not be applied to the Access Point:

Apply Config	×
Are you sure you want to apply your configuration to the selected Access Point? Verify whether the status of the Access Point is "Managed" Configuration will not be applied if the Access Point is not managed.	
When Apply now	~
Sub	mit

 To see if an Access Point is 'Managed', go to Monitoring > Access Points, and check the Status column:

Monitoring					0 Tr	Emergency Off (
Monitoring and Configuration: allows you to see You can easily monitor APs that may be unautho	the status of wireless APs a rized or in a failure state, so	and connected clien shedule instant or de	ts. elayed updates of configu	ration or firmware, or rel	boot any device.	
Tree view	Access Points	Channel Blanket	Smart Connect	Clients Neig	hbor APs Tasks	
□ AR4050S — □ 🚔 TQ5403 Hybrid	Search	]	Last Update: 2021-11-29	8:38:08 am 🗘 Refres	sh Apply Config 5 F	Reboot Update
□	Name 🔨	Status 🔨	Client へ	Model A	FW Version	Uptime 4
🗆 🚢 TQ1402 Hybrid	Hybrid board	Discovering	0	-		Os
□ 🗢 Hallway 1 □ 🗢 Hallway 2	Hybrid meeti	Discovering	0		-	Os
Outdoor	Hallway 1	Discovering	0		9	Os
□ ' <del>~</del> ' Entrance	Hallway 2	Discovering	0	Ŧ	5	Os
	Entrance	Discovering	0	0	if.	Os



### Configuring TQ access points

Applicable to devices running AlliedWare Plus 5.5.1-2 onwards.

From Device GUI version 2.10.0 onwards, for TQ access points: *TQ5403, TQm5403, and TQ5403e*, you can:

Change the Duplicate AUTH received parameter in the Network > General > Advanced Settings tab from Ignore to Disconnect. The reason this feature is provided is that some devices may not connect again after being disconnected. To avoid this situation, you can use the Ignore option:

Edit Network - Advanced Settings X					
General	Security	Fast Roaming			
Hide SSID			Disabled Enabled		
VLAN ID					
Band Steering			Disabled Enabled		
Duplicate AUTH re	eceived		Disconnect Ignore		
Association Adve	rtisement		Disabled Enabled		
Proxy ARP			Disabled Enabled		
DTIM Period					
1					
< Basic Set	tings		Cancel Save		

- Set the Beacon RSSI Threshold value for a wireless Channel Blanket configuration.
  - « RSSI (Received Signal Strength Indicator) is a measurement of how well your device can hear a signal from an access point or router. It's a value that is useful for determining if you have enough signal to get a good wireless connection. The closer to 0 dBm, the better the signal is.

New Profile - Basic Settings						
General	Channel Blanket	Smart Connect				
Control VLAN Enter Contro	I VLAN ID					
Wireless Client Is	olation		Disable En	able		
Key Enter Securit	y Keyword					
Proxy ARP			Disable En	able		
Beacon RSSI Threshold O						
Radio 1 Channel			Auto	~		
Radio 2 Channel			Auto	~		
Advanced S	ettings >		Cancel	pply		



Previously, you could configure a combination of WPA3 and Channel Blanket even though it
was not supported. This issue has been resolved.

Now, you cannot:

- « set up a Channel Blanket VAP with WPA3 security type.
- « change the security type to WPA3 on a Network that is set up with a Channel Blanket VAP.

New Profile - Ba	asic Settings		×
General	Channel Blanket	Smart Connect	
Name Enter Profile na	me		
Model		AT-TQ5403	~
Country		Japan	~
Radio 1		Disabled	^
		Enabled Disa	bled
			*
network1			
network2		Channel Blanket OFF	Ŧ
Radio 2		Disabled	~
Radio 3		Disabled	~
LAN 2 Port Configura	ation	Disabled	~
MAC Filter		None	~
Virtual IP address for Enter IP address	Captive Portal		
Advanced Set	ings >	Cancel	pply

### Captive Portal re-authentication timer

Applicable to devices running AlliedWare Plus 5.5.1-2 onwards:

From Device GUI version 2.10.0 onwards, for TQ access points, you can limit the connection (session) and refresh time for clients on a Captive Portal session.

Go to: Wireless > Networks > Advanced Settings > Security

#### **Configuring the Session Timeout Interval**

When the session times-out, the client will either be presented with the authentication page or be disconnected.

The **Session Timeout Interval** value is in seconds <0-86400>. To disable the timeout function, set a value of '0' seconds.

#### The Session Timeout Action options are:

- Reauthentication the client must re-authenticate before continuing to use the Captive Portal session.
- Disconnection the client will be disconnected when the Captive Portal session expires. The client can decide whether or not to go through the process of re-authentication.



New Network - Advanced Settings ×					
General	Security	Fast Roaming			
WPA Versions		WPA2	~		
Encryption Proto	col	CCMP	~		
Captive Portal		RADIUS Server	~		
RADIUS Account	ing	Disable Er	able		
Page Proxy		Disable Er	able		
Page Proxy URL					
Redirect Mode		Fixed	~		
Redirect URL					
Enter URL					
Session Timeout 3600	: Interval				
Session Timeout	Action	Reauthentication Disconnet	ction		
MAC Authenticat	tion	Disabled	~		
Management Fra	me Protection	Disabled	~		
< Basic Set	ttings	Page Proxy URL is required. Cancel	Save		

#### **Configuring the Session Key Refresh Interval**

The Session Key Refresh interval is only available in a WPA-enterprise security configuration.

- The Session Key Refresh Interval value is in seconds <0-86400>, the default value is '0' seconds.
- The **Session Key Refresh Action** options are: Reauthentication and Disconnection.

New Network - Basic Settings		×
SSID		
Enter SSID Name		
Description (Optional)		
Enter description		
Status	Normal	~
Trigger	None	~
Security	WPA Enterprise	) ~
Broadcast Key Refresh Interval		
0		
RADIUS Authentication Group	Disabled	~
RADIUS Accounting Group	Disabled	~
Dynamic VLAN	Disabled Ena	bled
Pre Authentication	Disabled Ena	bled
Session Key Refresh Interval		
0		
Session Key Refresh Action	uthentication Disconner	ction
Advanced Settings >	Cancel	Save



# **Accessing and Updating the Web-based GUI**

This section describes how to access the GUI, check the version, and update it.

#### Browse to the GUI

Perform the following steps to browse to the GUI.

1. If you haven't already, add an IP address to an interface. For example:

```
awplus> enable
awplus# configure terminal
awplus(config)# interface vlan1
awplus(config-if)# ip address 192.168.1.1/24
```

Alternatively, on unconfigured devices you can use the default address, which is:

- « on switches: 169.254.42.42
- « on AR-Series: 192.168.1.1
- 2. Open a web browser and browse to the IP address from step 1.
- 3. The GUI starts up and displays a login screen. Log in with your username and password. The default username is *manager* and the default password is *friend*.

### Check the GUI version

To see which version you have, open the System > About page in the GUI and check the field called **GUI version**. It should be 2.10.0 or later.

If you have an earlier version, update it as described in "Update the GUI on switches" on page 12 or "Update the GUI on AR-Series devices" on page 13.

<b>a</b>	Dashboard	
⊕	Network Infrastructure	
⊕	Network Services	
*	User Management	
٠		
Г	About	
_	File Management	



### Update the GUI on switches

Perform the following steps through the Device GUI and command-line interface if you have been running an earlier version of the GUI and need to update it.

1. Obtain the GUI file from our Software Download center. The filename for v2.10.0 of the GUI is awplus-gui\_551\_25.gui.

The file is not device-specific; the same file works on all devices.

2. Log into the GUI:

Start a browser and browse to the device's IP address, using HTTPS. You can access the GUI via any reachable IP address on any interface.

The GUI starts up and displays a login screen. Log in with your username and password.

The default username is manager and the default password is friend.

- 3. Go to System > File Management
- 4. Click Upload.

	Allied Telesis	x230-18GP					
æ	Dashboard						
⊕	Network Infrastructure $\lor$	File Management					
⊕	Network Services V						
	User Management	/fs /flash			4 Upload		
\$	System	Name 🗸	Modified —	Size(bytes) —	Actions		
	About			2707456	Download     Delete		
	File Management	efault.cfg	20/08/2003, 3:25:56 am	1113	▲ Download  ■ Delete		

5. Locate and select the GUI file you downloaded from our Software Download center. The new GUI file is added to the **File Management** window.

You can delete older GUI files, but you do not have to.

6. Reboot the switch. Or alternatively, use a Serial console connection or SSH to access the CLI, then use the following commands to stop and restart the HTTP service:

awplus> enable
awplus# configure terminal
awplus(config)# no service http
awplus(config)# service http

To confirm that the correct file is now in use, use the commands:

awplus(config)# exit
awplus# show http



#### Update the GUI on AR-Series devices

**Prerequisite:** On AR-Series devices, if the firewall is enabled, you need to create a firewall rule to permit traffic generated by the device that is destined for external services. See the "Configuring a Firewall Rule for Required External Services" section in the Firewall and Network Address Translation (NAT) Feature Overview and Configuration Guide.

Perform the following steps through the command-line interface if you have been running an earlier version of the GUI and need to update it.

1. Use a Serial console connection or SSH to access the CLI, then use the following commands to download the new GUI:

awplus> enable awplus# update webgui now

Perform the following steps if you have been running an earlier version of the GUI and need to update it.

1. Use a Serial console connection or SSH to access the CLI, then use the following commands to download the new GUI:

awplus> enable awplus# update webgui now

 Browse to the GUI and check that you have the latest version now, on the System > About page. You should have v2.10.0 or later.

