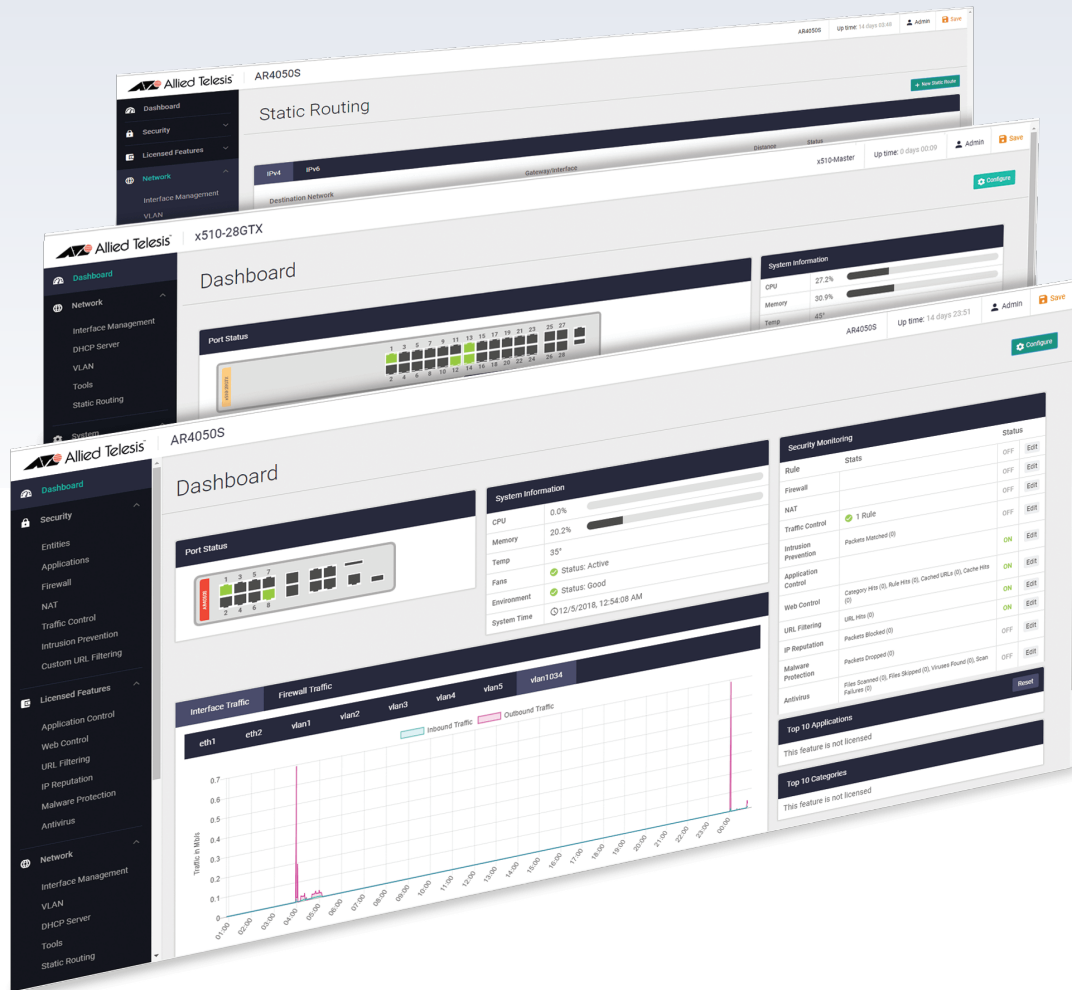


Release Note for Web-based Device GUI Version 2.8.x



» 2.8.0

AlliedWare Plus
OPERATING SYSTEM

Acknowledgments

©2021 Allied Telesis Inc. All rights reserved. No part of this publication may be reproduced without prior written permission from Allied Telesis, Inc.

Allied Telesis, Inc. reserves the right to make changes in specifications and other information contained in this document without prior written notice. The information provided herein is subject to change without notice. In no event shall Allied Telesis, Inc. be liable for any incidental, special, indirect, or consequential damages whatsoever, including but not limited to lost profits, arising out of or related to this manual or the information contained herein, even if Allied Telesis, Inc. has been advised of, known, or should have known, the possibility of such damages.

Allied Telesis, AlliedWare Plus, Allied Telesis Management Framework, EPSRing, SwitchBlade, VCStack and VCStack Plus are trademarks or registered trademarks in the United States and elsewhere of Allied Telesis, Inc. Adobe, Acrobat, and Reader are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries. Additional brands, names and products mentioned herein may be trademarks of their respective companies.

Getting the most from this Release Note

To get the best from this release note, we recommend using Adobe Acrobat Reader version 8 or later. You can download Acrobat free from www.adobe.com/

Contents

What's New in Version 2.8.0	1
Introduction	1
New Features and Enhancements	4
Configuring VLAN 1 ports to trunk ports	4
Wireless Network Trigger for Vista mini	5
TQ6602 Channel Blanket Support for Vista mini.....	10
Advanced settings for Vista Manager mini.....	11
AMF Security mini on x950 Series.....	14
Accessing and Updating the Web-based GUI.....	15

What's New in Version 2.8.0

Product families supported by this version:

SwitchBlade x908 GEN2	XS900MX Series
SwitchBlade x8100 Series	GS980MX/10HSm
x950 Series	GS980M Series
x930 Series	GS980EM Series
x550 Series	GS970M Series
x530 Series	GS900MX/MPX Series
x530L Series	FS980M Series
x510 Series	AR4050S
x510L Series	AR3050S
IX5-28GPX	AR2050V
x310 Series	AR2010V
x320 Series	AR1050V
x230 Series	
x230L Series	
x220 Series	
IE510-28GSX-80	
IE340 Series	
IE340L Series	
IE300 Series	
IE210L Series	
IE200 Series	

Introduction

This release note describes the new features in the Allied Telesis Web-based Device GUI version 2.8.0. You can run 2.8.0 with any AlliedWare Plus firmware version on your device.

For information on accessing and updating the Device GUI, see [“Accessing and Updating the Web-based GUI” on page 15](#).

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
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 x510-28GPX x510-52GPX x510-28GSX x510-28GSX-80 x510DP-28GTX x510DP-52GTX 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
IE200-6FT IE200-6FP IE200-6GT IE200-6GP	IE200

Table 1: Models (cont.)

Models	Family
XS916MXT XS916MXS	XS900MX
GS980MX/10HSm	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/52 FS980M/52PS	FS980M
AR4050S AR3050S	AR-series UTM firewalls
AR2050V AR2010V AR1050V	AR-series VPN routers

New Features and Enhancements

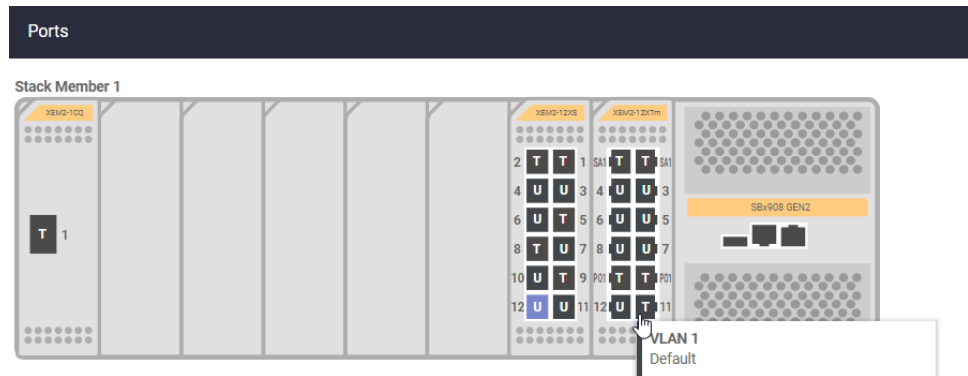
This section summarizes the new features in the Device GUI software version 2.8.0, for devices running AlliedWare Plus 5.5.1-0.1 onwards.

From version 2.8.0 onwards, the following new features and enhancements are available:

Configuring VLAN 1 ports to trunk ports

From version 2.8.0 onwards, if a port is assigned to VLAN 1 in access mode, a different VLAN can be assigned to that port without first having to remove VLAN 1. The VLAN 1 states of ports are no longer hidden, they are treated the same as all other VLANs. This means every port will have a 'U' (Access) or a 'T' (Trunk) displayed.

Also, when VLAN 1 is selected, ports with VLAN 1 assigned can only be changed between Access and Trunk mode, i.e. there is no 'blank' state.



Wireless Network Trigger for Vista mini

You can configure up to eight wireless network triggers on a VAP. Network triggers are used to enable/disable multiple VAPs at once.

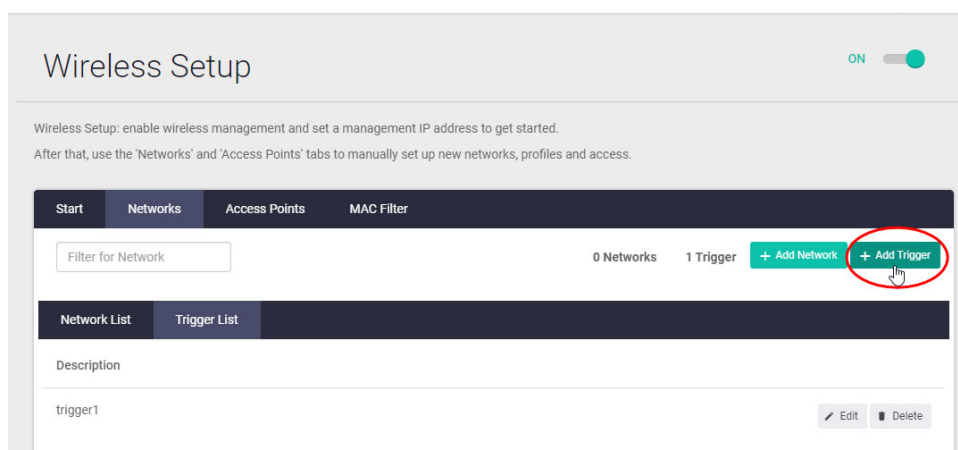
To configure a wireless network trigger, follow these steps:

- Create trigger
- Set up the trigger for the network
- Assign network with trigger to VAP
- Activate the trigger

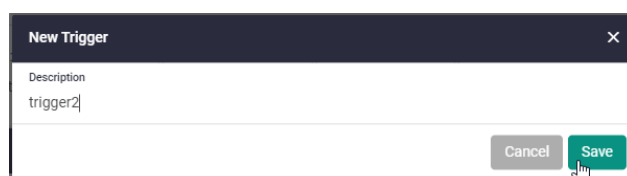
Create trigger

Wireless > Wireless Setup > Networks

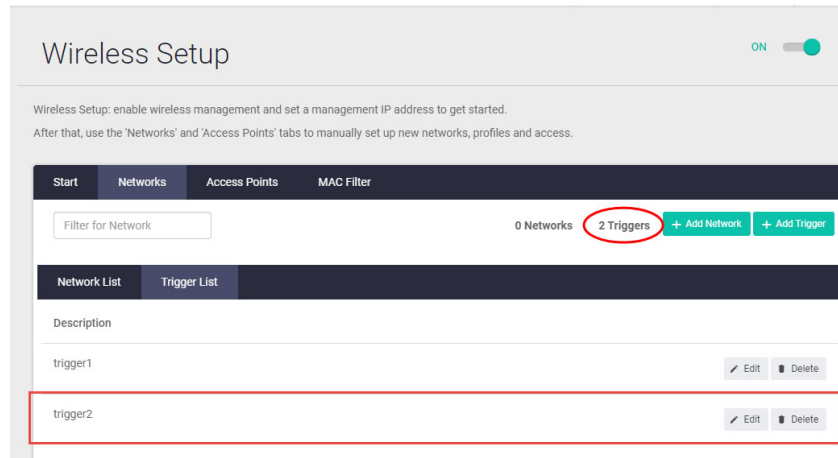
1. Click **+Add trigger**.



2. Enter a description and click **Save**.

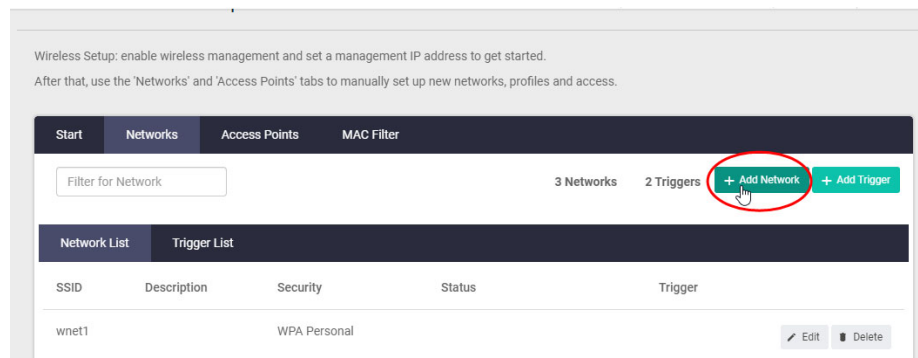


- The **Trigger List** is updated.

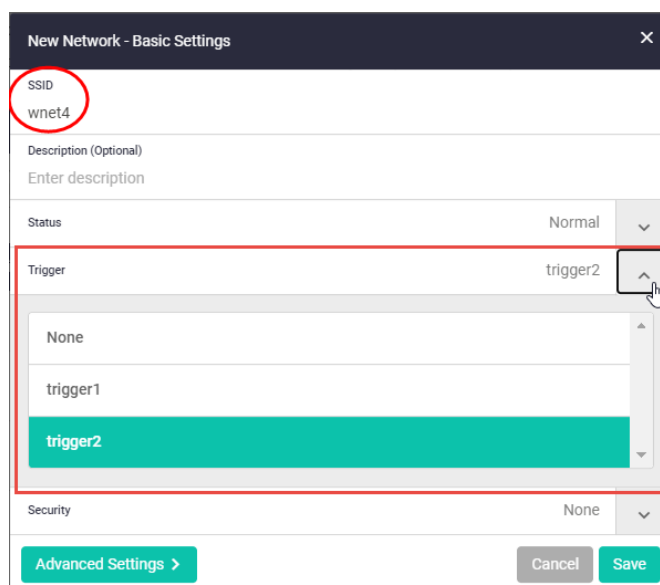


Set up the trigger for the network

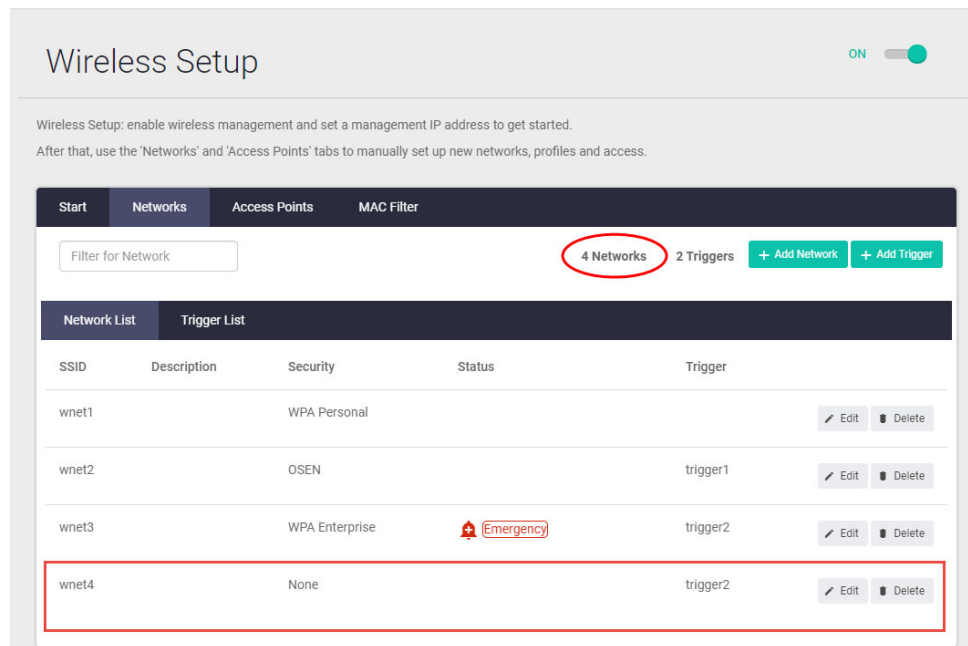
- Click **+ Add Network**.



- Enter the **SSID** and optional description.
- Select the **Trigger**.



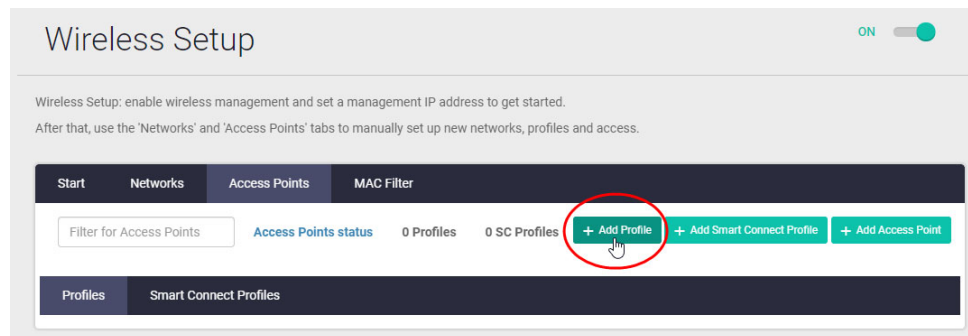
4. Click **Save**.
5. The **Network List** is updated.



Assign network with trigger to VAP

Wireless > Wireless Setup > Access Points

1. Click **+Add Profile**.



- In the New Profile **General** tab, **Radio** settings, enable the Radio and select the network.

New Profile - Basic Settings
✕

General
Channel Blanket
Smart Connect

Name
Enter Profile name

Model AT-TQ5403 ⌵

Country United States ⌵

Radio 1 Disabled ⌵

Enabled
Disabled

wnet1	Channel Blanket OFF <input type="checkbox"/>
wnet2 Trigger	Channel Blanket OFF <input type="checkbox"/>
wnet3 Emergency Trigger	Channel Blanket OFF <input type="checkbox"/>
wnet4 Trigger	Channel Blanket OFF <input type="checkbox"/>

Radio 2 Disabled ⌵

Radio 3 Disabled ⌵

LAN 2 Port Configuration
Disable
Static LAG
Cascade

MAC Filter None ⌵

Virtual IP address for Captive Portal
Enter IP address

Advanced Settings >
Select non triggered network first.
Cancel
Apply

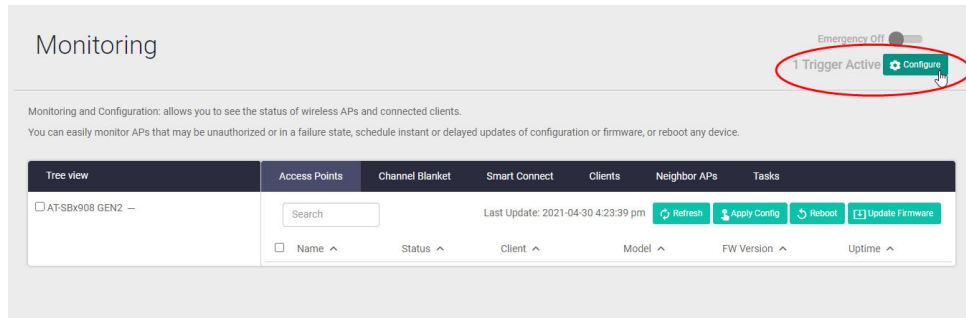
- Click **Apply**.

Activate the trigger

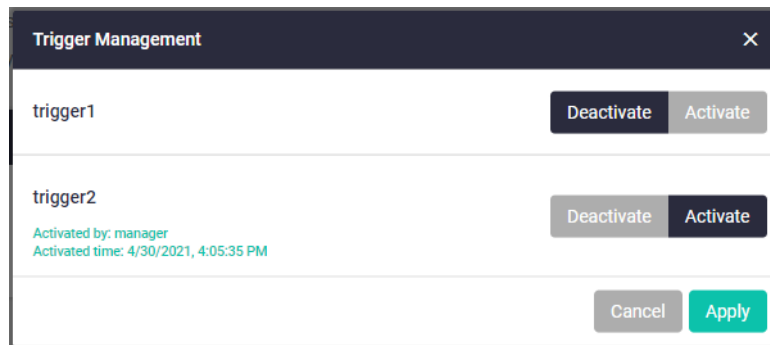
Wireless > Monitoring > Access Points

To choose which trigger is activated:

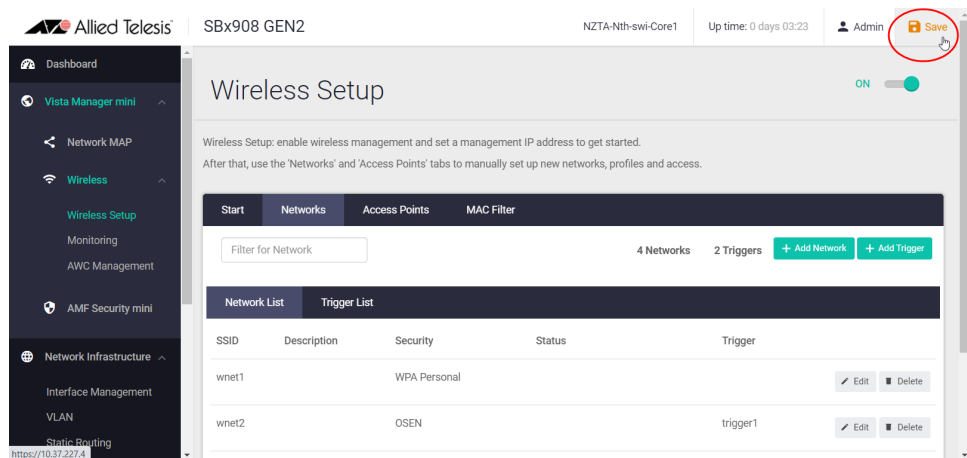
1. Select the **Access Points** tab.
2. Click **Configure**.



3. Select the trigger and click **Activate** or **Deactivate** as required.
4. Click **Apply**.



5. Click **Save** to save your configuration to the running config.



TQ6602 Channel Blanket Support for Vista mini

Supported on wireless Access Point TQ6602 running firmware - v7.0.1-0.1 (coming soon).

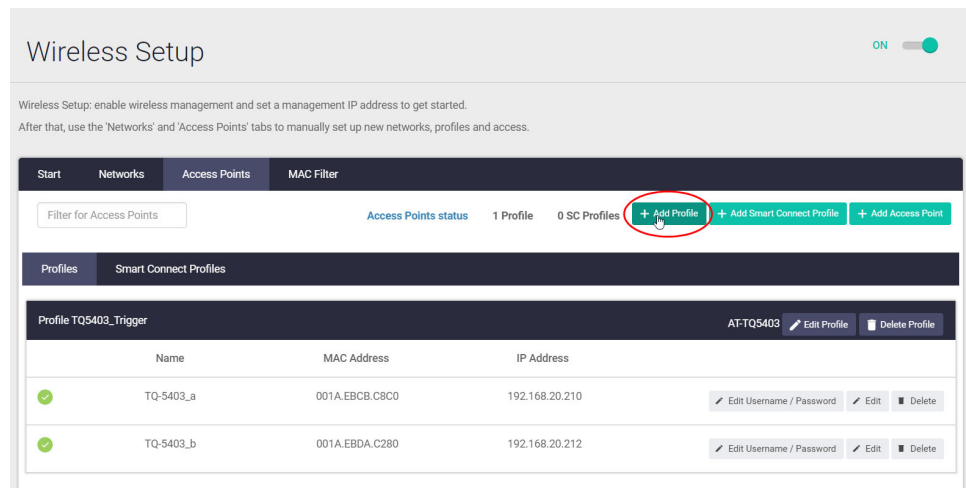
Wireless > Wireless Setup > Access Points

From version 2.8.0, you can enable Channel Blanket on the TQ6602 wireless Access Point.

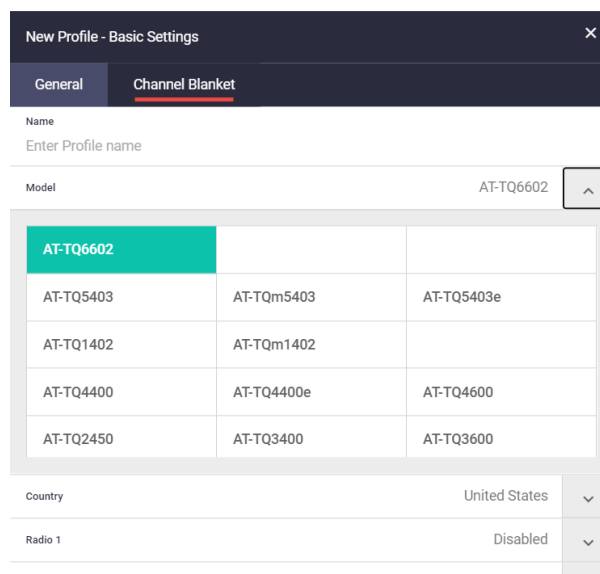
The TQ6602 supports operation in multi-channel, single-channel (Channel Blanket) and hybrid (multi-channel and Channel Blanket) modes, for the most flexible wireless solution available. Multi-channel operation provides maximum throughput for high-bandwidth clients, while Channel Blanket operation supports seamless roaming for dynamic environments like warehouses and hospitals, as all APs appear as a single virtual AP.

To locate the TQ6602 Channel Blanket settings:

1. In the Access points > **Profiles** tab, click **Add Profile**. Alternatively, you can select an existing AP profile and click **Edit**.



2. In the profile's Basic Settings **General** tab, select Model AT-TQ6602. The **Channel Blanket** tab displays next to the General tab.



Advanced settings for Vista Manager mini

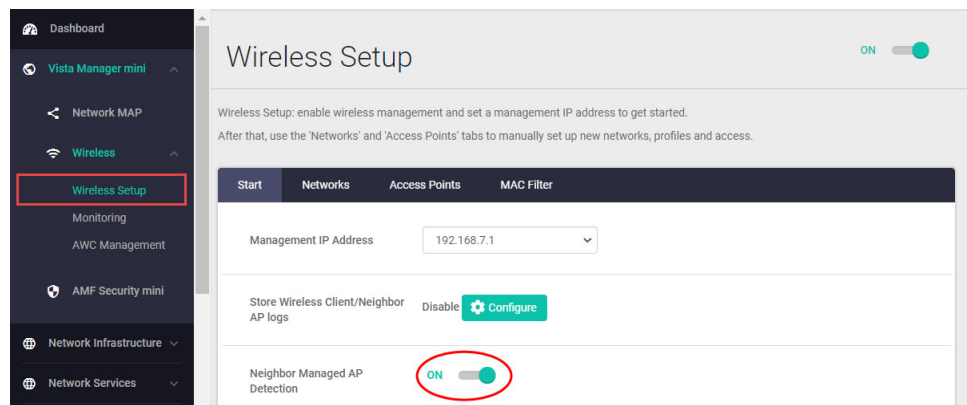
From version 2.8.0 you can configure the following TQ maintenance options:

- Neighbor Managed AP Detection
- Legacy rates
- Association Advertisement
- DTIM Period
- Username/Password configuration on AP

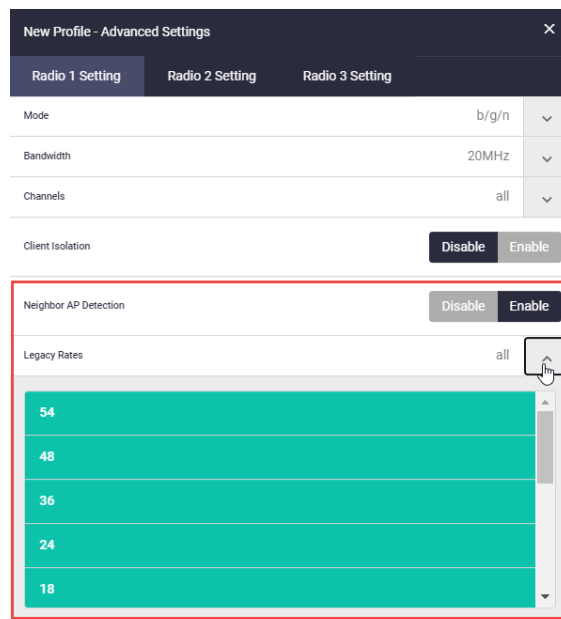
Neighbor Managed AP Detection

Wireless > Wireless Setup

You enable Neighbor Managed AP Detection in the Wireless Setup **Start** tab. Once enabled, the access point continuously scans the Wi-Fi network within the management IP address, collects information about all access points on the channels, and maintains a list of access points it detects in the area. This feature is **enabled** by default.



You can enable Neighbor AP Detection in the AP Profile advanced settings window:



Legacy rates are configured in the same window.

See below for more information on Legacy rates.

Legacy Rates The default value is All.

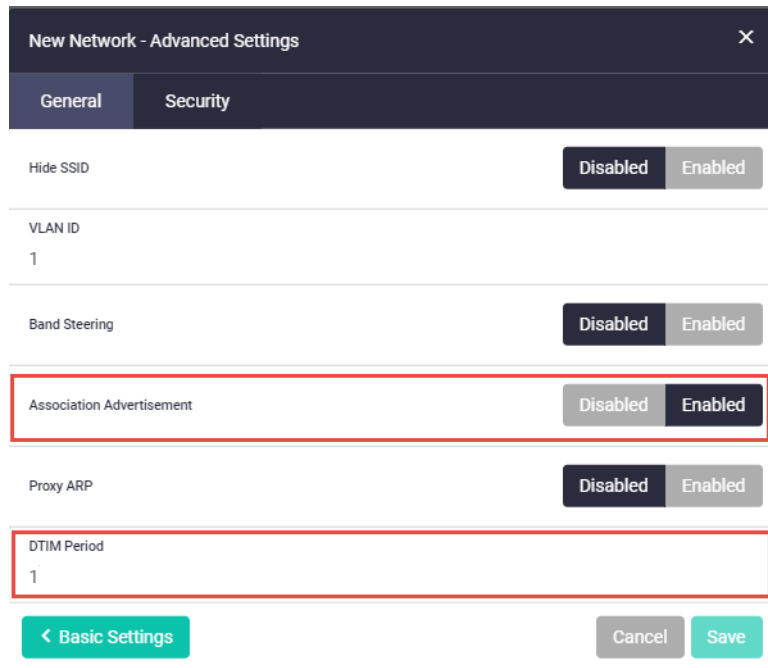
The table below provides the rate candidate values for 2G and 5G radios:

Radio	Rate Candidates	Notes
2G	54,48,36,24,18,12,11,9,6,5.5,2,1	Bandwidth = 20MHz One of 1,2,5.5,and 11 must be selected. Bandwidth = 40MHz 1Mbps must be selected.
5G	54,48,36,24,18,12,9,6	All bandwidths must have one of 6,12, and 24 selected.

Association Advertisement and DTIM Period

Wireless > Wireless Setup > Networks > Advanced Settings > General

You can enable or disable **Association Advertisement** and enter a value for the **DTIM Period**.



The screenshot shows a 'New Network - Advanced Settings' dialog box with two tabs: 'General' and 'Security'. The 'General' tab is active. The settings are as follows:

- Hide SSID: Disabled
- VLAN ID: 1
- Band Steering: Disabled
- Association Advertisement: Enabled (highlighted with a red box)
- Proxy ARP: Disabled
- DTIM Period: 1 (highlighted with a red box)

At the bottom, there are three buttons: '< Basic Settings', 'Cancel', and 'Save'.

Association Advertisement

Disabled by default.

Association advertisements are used in the 802.11 authentication and association process between APs and mobile devices.

The supported models are:

- TQ5403
- TQm5403
- TQ5403e
- TQ1402
- TQm1402

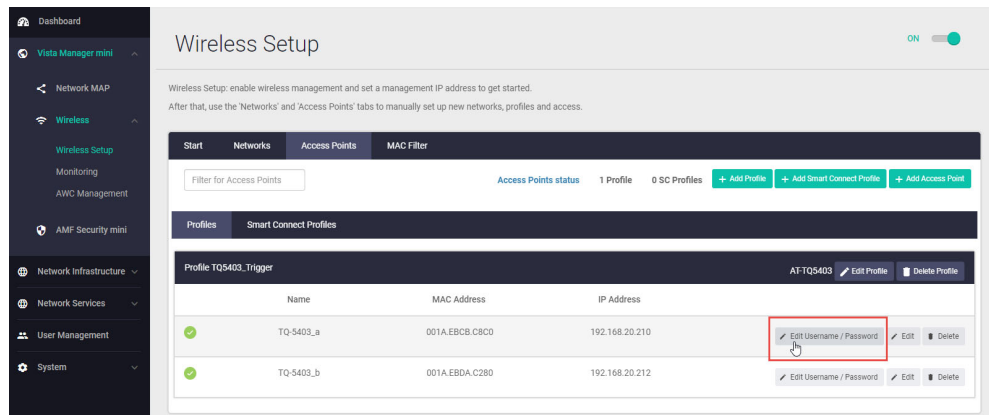
DTIM The default value is 1.

The DTIM period value is a number (1-5 seconds) that determines how often a beacon frame includes a Delivery Traffic Indication Message, and this number is included in each beacon frame. Increasing this number will increase the power saving effect, but it will slow down the response.

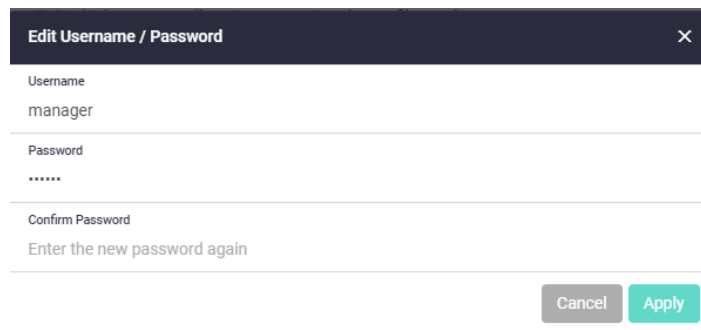
Username/Password Configuration on AP

Wireless > Wireless Setup > Access Points > Profiles

1. Click **Edit Username/Password** to configure an optional username and password for the Access Point.



2. The **Edit Username/Password** window opens.



3. Enter the username (alphanumeric string 1-12 characters).
Valid symbols are: ! # % () + , - . / = @ [] ^ _ ` { | } ~
4. Enter the password (alphanumeric string 1-32 characters).
The default values are manager/friend.
5. Click **Apply**.

AMF Security mini on x950 Series

From version 2.8.0 onwards, the GUI supports AMF Security mini (AMF-Sec mini) on x950 Series switches.

Allied Telesis Autonomous Management Framework (AMF) simplifies and automates network management. AMF Security mini adds a powerful security component with an intelligent SDN controller that works with firewalls and other security devices to instantly respond to alerts, and block the movement of malware threats within a wired or wireless network.

For information on using AMF-Sec mini, see the [User Guide: AMF Security mini](#).

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:

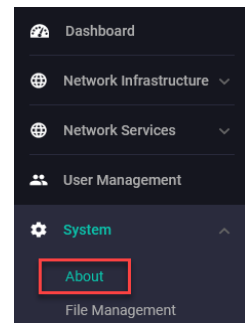
- « on switches: 169.254.42.42
- « on AR-Series: 192.168.1.1

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 2.8.0 or later.

If you have an earlier version, update it as described in “[Update the GUI on switches](#)” on page 16 or “[Update the GUI on AR-Series devices](#)” on page 17.



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 v2.8.0 of the GUI is awplus-gui_551_23.gui.

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

2. Log into the GUI:

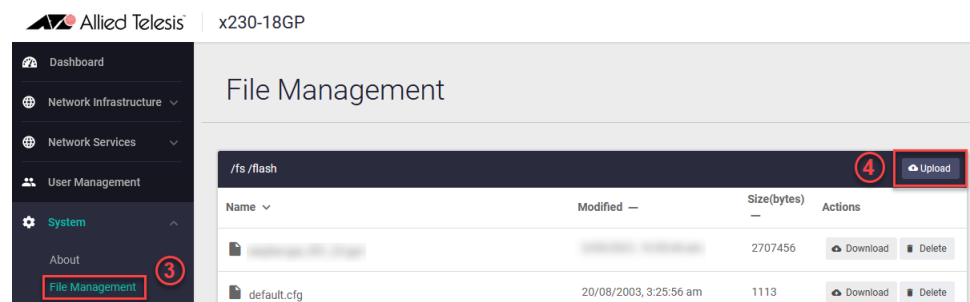
Start a browser and browse to the device's IP address, using HTTPS. You can access the GUI via any reachable IP address on any interface.

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**.



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. 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, then 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
```

2. Browse to the GUI and check that you have the latest version now, on the System > About page. You should have v2.8.0 or later.

