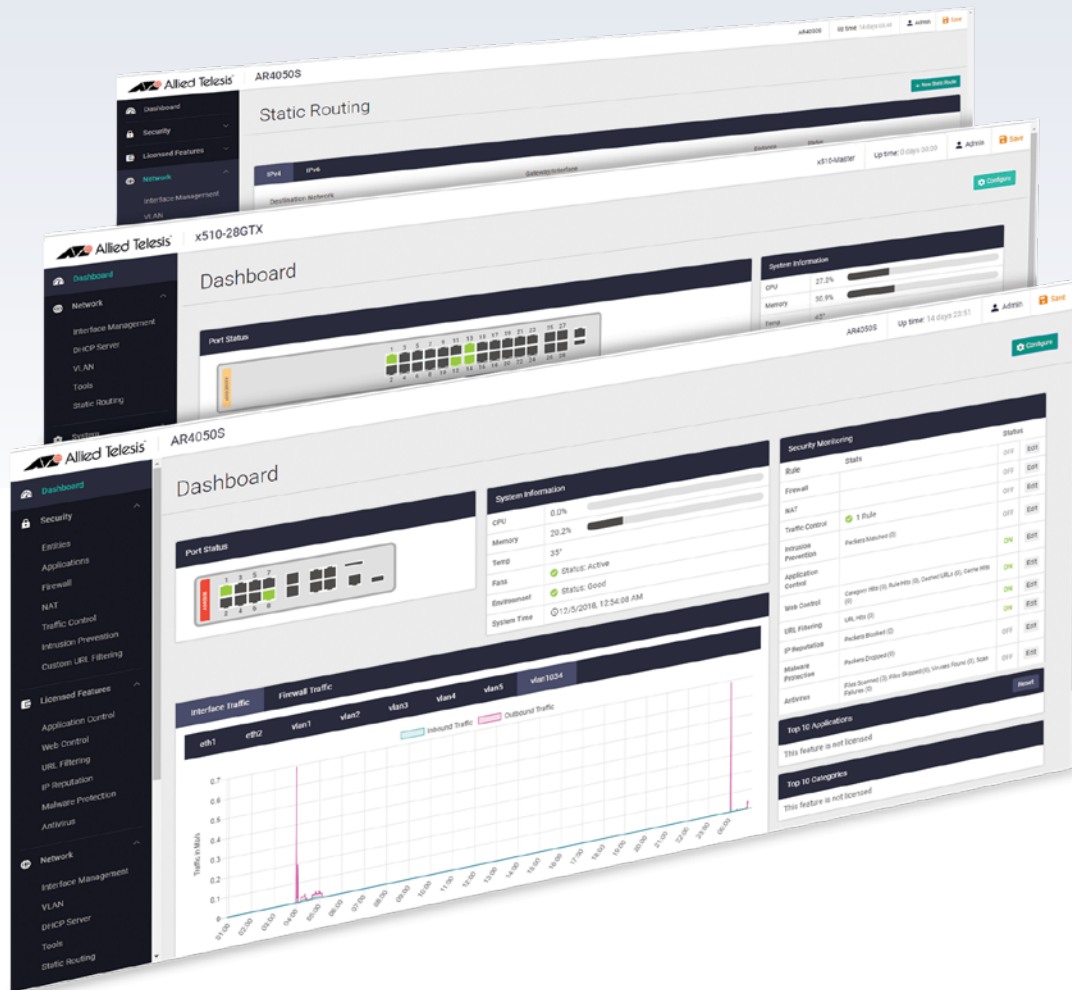


Release Note for Web-based Device GUI Version 2.21.x



» 2.21.0

AlliedWare Plus
OPERATING SYSTEM

Acknowledgments

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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/

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What's New in Version 2.21.0

Product families supported by this version:

AMF Plus Cloud	SE250 Series ¹
SwitchBlade x8100: SBx81CFC960	SE240 Series ¹
SwitchBlade x908 Generation 2	XS900MX Series
x950 Series	GS980MX Series
x930 Series	GS980EM Series
x550 Series	GS980M Series
x540L Series	GS970EMX Series
x530 Series	GS970M Series
x530L Series	10GbE UTM Firewall
x330 Series	ARX200S-GTX
x320 Series	AR4000S-Cloud
x250 Series	AR4050S
x240 Series	AR4050S-5G
x230 Series	AR3050S
x220 Series	AR2050V ²
IE360 Series	AR2010V ²
IE340 Series	AR1050V
IE220 Series	TQ7403-R
IE210L Series	TQ6702 GEN2-R
SE540L Series ¹	

1. Not available in all regions
2. Does not support all of the latest features

Introduction

This release note describes the new features in the Allied Telesis Web-based Device GUI version 2.21.0. You can run 2.21.0 with AlliedWare Plus firmware versions 5.5.5-x.x, 5.5.4-x.x, or 5.5.3-x.x on your device, although the latest GUI features may only be supported with the latest firmware version.

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 and software file names

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

Table 1: Models and software file names (cont.)

Models	Family
x550-18SXQ x550-18XTQ x550-18XSPQm	x550
x540L-28XTm x540L-28XS	x540L
x530-10GHXm x530-18GHXm x530-28GTXm x530-28GPXm x530-52GTXm x530-52GPXm x530DP-28GHXm x530DP-52GHXm	x530
x530L-10GHXm x530L-18GHXm x530L-28GTX x530L-28GPX x530L-52GTX x530L-52GPX	x530L
x330-10GTX x330-20GTX x330-28GTX x330-52GTX	x330
x320-10GH x320-11GPT	x320
x250-18XS x250-18XTm x250-28XS x250-28XTm	x250
x240-10GTXm x240-10GHXm x240-26GHXm	x240
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
IE360-12GTX IE360-12GHX	IE360
IE340-12GT IE340-12GP IE340-20GP IE340L-18GP	IE340
IE220-6GHX IE220-10GHX	IE220
IE210L-10GP IE210L-18GP	IE210L

Table 1: Models and software file names (cont.)

Models	Family
SE540L-28XTm SE540L-28XS	SE540L
SE250-18XS SE250-18XTm SE250-28XS SE250-28XTm	SE250
SE240-10GTXm SE240-10GHXm	SE240
XS916MXT XS916MXS	XS900MX
GS980MX/10HSm GS980MX/18HSm GS980MX/28 GS980MX/28PSm GS980MX/52 GS980MX/52PSm	GS980MX
GS980EM/10H GS980EM/11PT	GS980EM
GS980M/52 GS980M/52PS	GS980M
GS970EMX/10 GS970EMX/20 GS970EMX/28	GS970EMX
GS970M/10PS GS970M/10 GS970M/18PS GS970M/18 GS970M/28PS GS970M/28	GS970M
AR4000S-Cloud	
ARX200S-GTX	ARX200S
10GbE UTM Firewall	
AR4050S AR4050S-5G AR3050S	AR-Series UTM firewalls
AR1050V AR2050V ¹ AR2010V ¹	AR-Series VPN routers
TQ7403-R	Wireless AP Router
TQ6702 GEN2-R	Wireless AP Router

1. Does not support all of the latest features

New Features and Enhancements

This section summarizes the new features in the Device GUI software version 2.21.0.

Firmware Update Available Banner displayed when updates are available

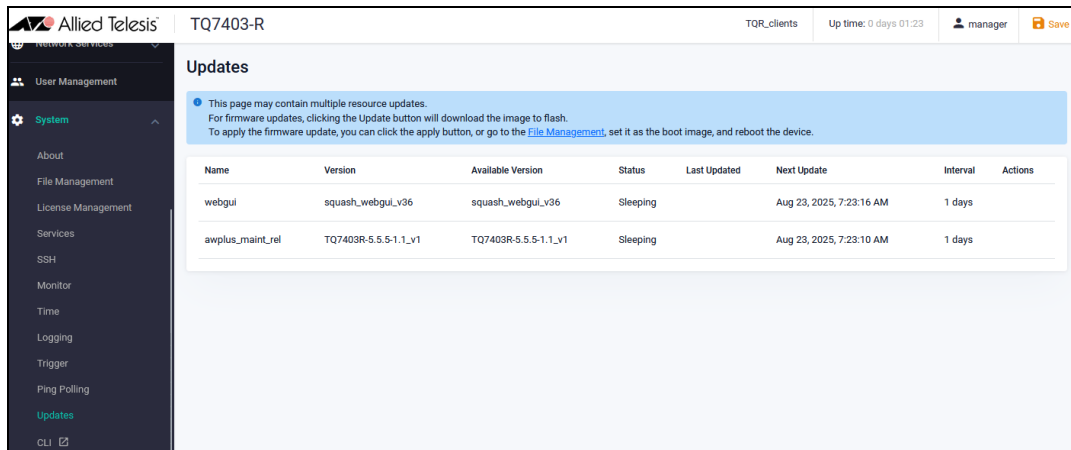
Applies to all TQ Router series and AR4050-5G devices

From version 2.21.0 onwards, a banner will display at the top of the Device GUI if there are new AlliedWare Plus firmware updates available.

When you click on this banner, it will disappear, and it will take you to the **Updates** page showing the current update status of devices.



You can also manually access the update page via **System > Updates** from the side-menu.



The **Updates** page shows you the latest available versions of AlliedWare Plus firmware.



Click the **Download** button to download the firmware file to your device’s flash storage.

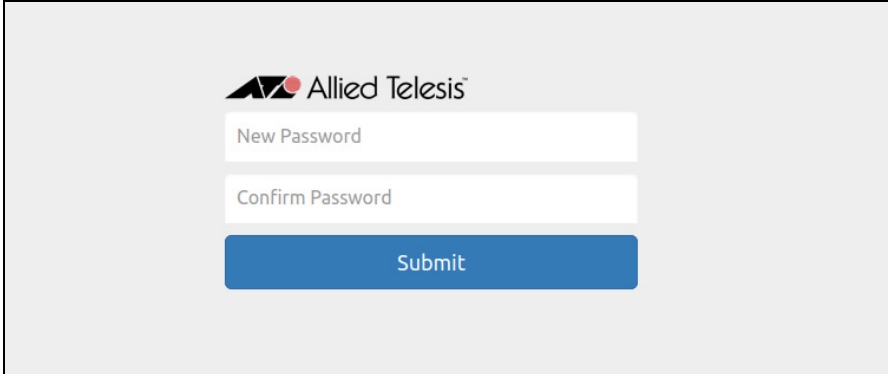
You must set the new firmware as the boot release file and reboot the device to apply the update.

Note: If your wireless device is running a version earlier than 5.5.5.-1.1, then the update banner will not display.

Password change prompt on factory new devices

Applies to all devices running AlliedWare Plus version 5.5.5.-1.1 or later

From version 2.21.0 onwards, you are prompted to change your device's password during your first login to a device that is in a factory new state, or has been factory reset.



After changing your password, you will be redirected back to the login page. Log in with the new password.

Devices that already have a user configuration will not be affected.

Mac Filtering per VAP supported on TQR Series

Applies to TQR Series devices running AlliedWare Plus version 5.5.5.-1.1 or later

From version 2.21.0 onwards, Mac Filtering per VAP is supported on TQR Series devices.

Previously, MAC Filtering was limited to a single list per AP profile. With this update, administrators can assign individual MAC filter lists to specific networks, which correspond to specific VAPs. This enables more precise control over device access across multiple SSIDs.

Key Enhancements

- **Per-VAP MAC Filtering:** Apply MAC filter lists at the network level, allowing unique rules per VAP.
- **Flexible List Management:** Define up to 48 MAC filter lists, each with a unique ID, optional description, and a set of MAC addresses.
- **Permit/Deny Rules:** Each list can permit or deny access. If applied at the AP profile level, its rule overrides the list-level setting.

This feature is especially useful in environments with multiple SSIDs, where different access policies are needed for different user groups or device types—such as separating guest and corporate traffic.

Note: When both AP profile and VAP-level filters are configured, the AP profile setting takes precedence and overrides the VAP-level setting.

Changes to the PoE menu item

Applies to switches running Device GUI version 2.21.0 or later

From version 2.21.0 onwards, changes to the way the PoE menu item displays on both edge switches, and stacking members have been made.

Previously, the PoE menu item would only be displayed for stacks if the stack master was a PoE switch.

This has been fixed, and now the PoE menu item will be displayed in the two scenarios:

- if the stack master is a PoE switch,
- or if a PoE-capable switch could be a stack member.

For some edge switches, the PoE menu item will now appear *even if* the switch is not PoE capable or stacking capable.

The stacking feature is a licensed feature, and it is possible in the future that the stacking license will be made available for these switches. If this happens then the PoE functionality will be automatically supported.

This means the Device GUI and CLI now mirror each other for PoE functionality.

Vista Manager mini enhancements

Vista Manager mini uses Allied Telesis Autonomous Wave Control (AWC) for setting up and managing your wireless access points (APs). By minimizing coverage gaps and reducing AP interference, AWC automatically reconfigures access points to meet user demand.

For more information about Vista Manager mini, see the [User Guide for Wireless management \(AWC\) with Vista Manager Mini](#).

Support for RFScan on Vista Manager mini for TQR Series

Available on TQR Series products

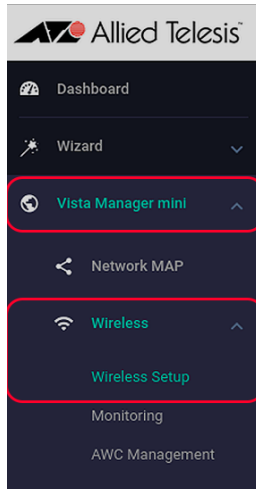
From version 2.21.0 onwards, RFScan is now supported for TQR Series products on Vista Manager mini.

The RFScan feature for detecting neighboring APs has been significantly improved. The previous method of scanning all channels on a radio simultaneously, which could lead to prolonged communication loss, has been replaced.

You can now select between two scan methods:

- All-Channel Scan: Scans all channels at once (behavior similar to the initially improved 5 GHz, 4 channels at a time approach).
- Single-Channel Scan: Scans one channel at a time, allowing configuration of scan interval, duration, and data retention.

1. From the left-hand menu, go to **Vista Manager Mini > Wireless > Wireless Setup**

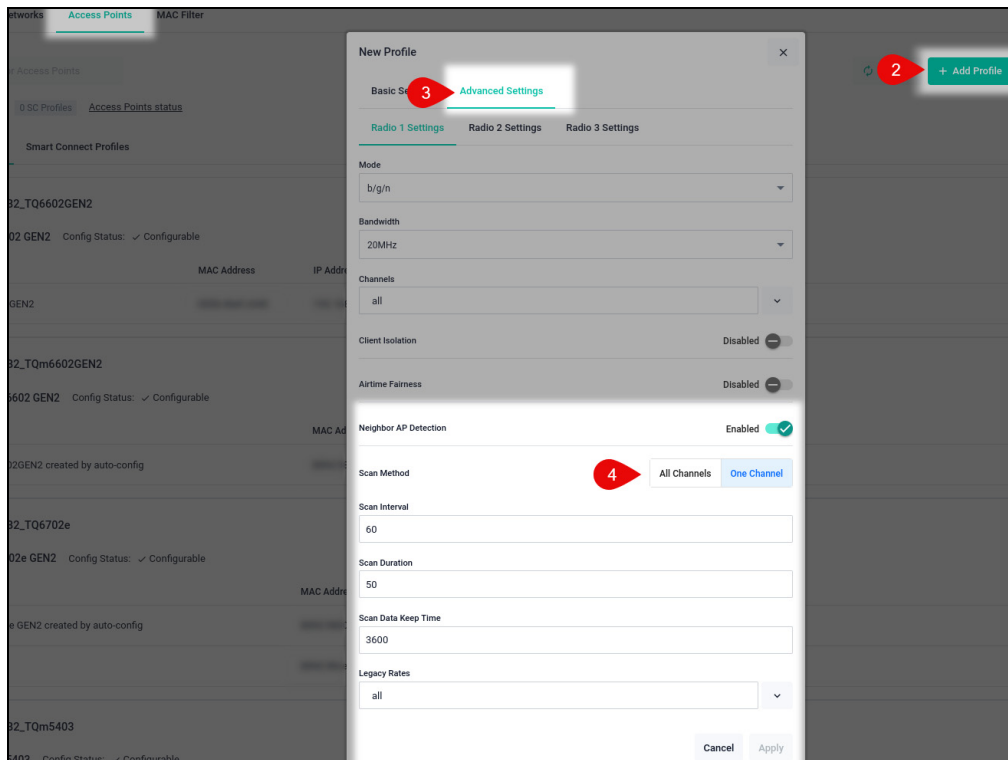


2. From the Access Points tab, click the **+ Add Profile** button

3. Click on the **Advanced Settings** tab of the profile

4. Select the Scan Method from All Channels or One Channel

- For One Channel, you can then set the Scan Interval, Scan Duration, and Scan Data Keep Time.



Accessing and Updating the Web-based GUI

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

Important Note: Very old browsers may not be able to access the Device GUI. From AlliedWare Plus version 5.5.2-2.1 onwards, to improve the security of the communication for the Device GUI, ciphersuites which use RSA or CBC based algorithms have been disabled, as they are no longer considered secure. Note that the removal of ciphersuites using those algorithms may prevent some old versions of browsers from communicating with the device using HTTPS.

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:

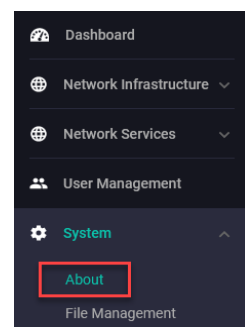
- « on switches: 169.254.42.42
- « on AR-Series, TQR Series, and ARX200S Series: 192.168.1.1

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**.

If you have an earlier version than 2.21.0, update it as described in “Update the GUI on switches” on page 12 or “Update the GUI on AR-Series devices” on page 13.



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 the [Allied Telesis Support Portal](#).

The filename for v2.20.0 of the GUI is:

- « awplus-gui_555_38.gui,
- « awplus-gui_554_38.gui, or
- « awplus-gui_553_38.gui

Make sure that the version string in the filename (e.g. 555) matches the version of AlliedWare Plus running on the switch (e.g. 5.5.5-x.x). The file is not device-specific; the same file works on all devices.

2. Log into the GUI:

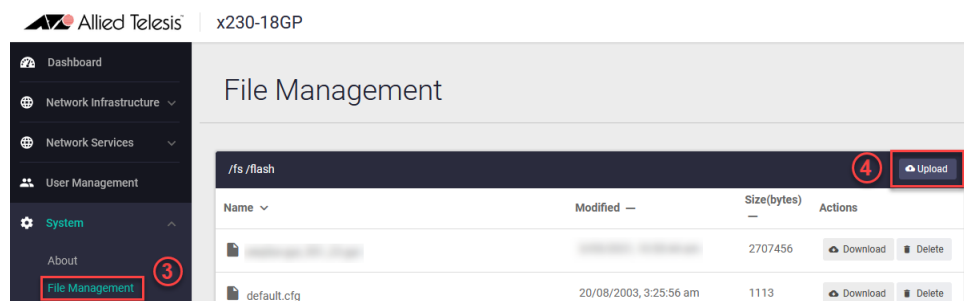
Start a browser and browse to the device's IP address, using HTTPS. You can access the GUI via any reachable IP address on any interface.

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. 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
```

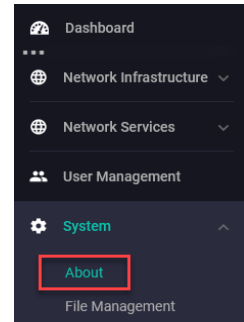
Update the GUI on AR-Series devices

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 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 v2.20.0 or later.



Verifying the GUI File

On devices that support crypto secure mode, to ensure that the GUI file has not been corrupted or interfered with during download, you can verify the GUI file. To do this, enter Global Configuration mode and use the command:

```
awplus(config)#crypto verify gui <hash-value>
```

Where *<hash-value>* is the known correct hash of the file.

This command compares the SHA256 hash of the release file with the correct hash for the file.

The correct hash is listed in the table of [Hash values](#) below.

Caution



If the verification fails, the following error message will be generated:

“% Verification Failed”

In the case of verification failure, please delete the release file and contact Allied Telesis support.

If you want the device to re-verify the file when it boots up, add the **crypto verify** command to the boot configuration file.

Table: Hash values

Firmware Version	GUI File	Hash
5.5.5-x.x	awplus-gui_555_38.gui	b785918ca3acfa33afe8b16cc52adb27cfb281452e047fe6fb32f085eb2ff695
5.5.4-x.x	awplus-gui_554_38.gui	b785918ca3acfa33afe8b16cc52adb27cfb281452e047fe6fb32f085eb2ff695
5.5.3-x.x	awplus-gui_553_38.gui	b785918ca3acfa33afe8b16cc52adb27cfb281452e047fe6fb32f085eb2ff695