



## **AT-TQ5403 and AT-TQm5403 Version 5.2.0 Wireless Access Points Software Release Notes**

Please read this document before using the management software. The document has the following sections:

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### **Supported Platforms**

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Version 5.2.0 is supported on the AT-TQ5403 and AT-TQm5403 access points.

Version 5.2.0 supports the AWC-CB function (AT-Vista Manager EX v2.4.1 with AWC Plug-in Management).

For instructions on how to upgrade the management software on the access point, see the latest version of the AT-TQ5403 and AT-TQm5403 Management Software User’s Guide, available on the Allied Telesis Inc. web site at [www.alliedtelesis.com/support](http://www.alliedtelesis.com/support).

### **Management Software Filename**

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The firmware filenames are AT-TQ5403-5.2.0.b06.img and AT-TQm5403-5.2.0.b06.img.

### **New Features**

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This release adds the following new features:

- Adds support for the AT-TQm5403 access point.
- Adds WEP for 64 bit (ACSII, HEX) and 128 bit (HEX) to on-board web interface and AWC plug-in.

- ❑ Adds External RADIUS authentication to MAC filter to on-board web interface and AWC plug-in.
- ❑ Adds WMM/ APSD to on-board web interface and AWC plug-in.

## Enhancements

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This release adds the following enhancements:

- ❑ Adds FCC dynamic frequency selection (DFS).
- ❑ Allows the access point to obtain its host name from a DHCP server.
- ❑ Allows the Hidden SSID function to be changed when band steering is enabled.
- ❑ Adds syslog when maximum wireless clients are exceeded.
- ❑ Allows the access point to send client IP addresses and traffic counters to AWC plug-in.

The following countries and their frequency bands were added to this and previous releases:

- ❑ V5.1.0: Thailand, Singapore, Hong Kong, and Malaysia
- ❑ V5.1.1: India
- ❑ v5.2.0: Vietnam, Taiwan, and Korea

## Specification Changes

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This release has no specification changes.

## Resolved Issues

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The following resolved issues apply to both the AT-TQ5403 and AT-TQm5403 access points.

- ❑ Access point output connected log when the number of connected clients exceeds client value.
- ❑ Radio interfaces did not work correctly when all radios were enabled and Neighbor AP Detection feature was enabled on all radios.
- ❑ Neighbor AP Detection feature failed at access point boot-up with large configuration.
- ❑ Access point sends Link trap when trap is disabled.
- ❑ Access point failed to use primary RADIUS server when both primary and secondary servers are defined.
- ❑ Wireless clients cannot reconnect using PMKSA cache when Dynamic VLAN is enabled.
- ❑ Failed to get wireless client information via SNMP-mib when many wireless clients are connected to access point.

The following resolved issues apply to the AT-TQ5403 access point.

- ❑ The access point notifies wireless client information as connected client to the AWC plug-in when the number of connected clients exceeds maximum clients value on channel blanket VAP.

- The traffic counter did not count correctly when channel blanket VAP is enabled.
- Duplicate BSSID is displayed on Radio1 VAP page when channel blanket is enabled.
- Access point sends unnecessary logs when wireless clients connect and disconnect from channel blanket VAP.
- Access point notifies wireless clients information as connected to AWC plug-in when access point rejects connecting wireless clients by MAC filter on channel blanket VAP.
- Access point sometimes stopped functioning when channel blanket feature is enabled.
- Access point sometimes provided incorrect information about channel blanket to AWC plug-in.

## Operational Notes

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Here are the operational notes in this release.

- RTS threshold is not supported for the Radio2(5GHz) or the Radio3(5GHz).
- When saving and applying the wireless settings, AP prompts the wireless client to disconnect the wireless connection, but depending on the client, the wireless connection may be kept. In that case, please reconnect the client again.
- Cannot set 10-13 channel when use Bandwidth of 40MHz in interface of 2.4GHz.
- Setting the number of Maximum Client to more than 200 from Web-UI is not supported.

## History

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### New Feature History

#### Version 5.1.1 New Features

None.

#### Version 5.1.0 New Features

Here are the new features in this release.

- Support for the AWC-CB function (AT-Vista Manager EX v2.4.1 with AWC Plug-in Management)
- Support for the Band-steering function
- Support for IEEE802.11r Fast Roaming using WPA-ENT
- Support for the Timezone and Daylight Saving setting. These settings can be set from "Settings > System > Time" page including "Timezone" and a check box for "Enable Daylight saving"
- Support for Internet Explorer 11 with "Compatibility View"
- Support for Link Aggregation
- Support for enabling/disabling Reset Button
- Support for IEEE 802.11r PMK-R0 Lifetime function
- Support Private MIB

## Enhancements History

### Version 5.1.1 Enhancements

- ❑ The maximum number of wireless client connections for Channel Blanket VAP has been extended from "200" to "500". When the AT-Vista Manager EX AWC Plug-in manages AP with Channel Blanket configuration, the number of maximum client of Radio interface which is enabling Channel Blanket is now "500".

## Specification Upgrades History

### Version 5.1.0 Specification Upgrades

- ❑ The frames from wireless STA are sent as untagged if management VLAN tag enabled, management VID sets without 1, and the following conditions:
  - VLAN ID of VAP is set to "1"
  - Assigned VID 1 by dynamic VLAN
- ❑ After firmware upgraded, the configuration applied when AP is managed by AT-Vista Manager EX AWC Plug-in at first time
- ❑ Changed file format to zip when acquiring Technical Support Information from AT-Vista Manager EX AWC Plug-in
- ❑ Changed minimum Tx Power from 10% to 1%
- ❑ Changed the behavior of session timeout of Web-UI.
  - Web-UI moves to login page if session timeout.
  - Web-UI redirects to the page before session timeout when re-login after session timeout

## Resolved Issues History

### Version 5.1.1 Resolved Issues

- ❑ In Monitoring > Statistics page, counters of "Packets Received" and "Bytes Received" of VAP always show zero. This is issue is resolved.
- ❑ When Management VLAN Tag is enabled and Management VLAN ID is set to "1", AP can not establish Channel Blanket. This is issue is resolved.
- ❑ AP output the RADIUS accounting log when the wireless client connects to VAP which is not set WPA-Enterprise setting. This is issue is resolved.
- ❑ LAN interface does not launch after restore v5.0.0/v5.0.1 version's configuration. This is issue is resolved.
- ❑ AP disconnects connected clients when getting Technical Support Information. This is issue is resolved.

### Version 5.1.0 Resolved Issues

- ❑ The multicast rate limit was not applied to the broadcast frame.
- ❑ AP can not specify a subnet to allow communication for SNMP.
- ❑ In Monitoring > Status > Radio page, "Transmission Power" is not displayed correctly when under AT-Vista Manager Ex AWC Plug-in management.

- ❑ DNS server is incorrect set when more than one DNS Server is set in the lease information of the DHCP server.
- ❑ AP can not name resolution for NTP server, if input length of FQDN is 176 or more characters.
- ❑ Even if "Interval to Synchronize" time comes after failing name resolution for NTP server, AP does not send query again.
- ❑ AP which is "Connection Type: DHCP" always send DHCP discover packet when changing configuration.
- ❑ The specification of Mobility Domain for IEEE802.11r is more than four characters, but it can be set up three or less characters from Web-UI.
- ❑ When SNMP trap is enable, in boot up delay for 30 seconds until it becomes under Vista Manager management
- ❑ Multicast TX Rate "5.5" setting is not applied correctly from AT-Vista Manager EX AWC Plug-in.
- ❑ Legacy Rate setting is not applied correctly from AT-Vista Manager EX AWC Plug-in.
- ❑ When Bandwidth setting was set to 40 MHz, AP can not set 116 ch.
- ❑ When AT-Vista Manager EX AWC Plug-in applied a configuration which is large size to the AP, AP sometimes left from AT-Vista Manager EX AWC Plug-in.
- ❑ When Radio 2 is set to Bandwidth 80 MHz with some VAPs enable, Bandwidth of Radio 2 become 20 MHz.
- ❑ AP does not transmit specific IP multicast packets to wireless client from Ethernet port.
- ❑ In the IP address setting page, the fourth octet couldn't set "0" and "255".
- ❑ In Monitoring > Neighbor AP page, Security was not displayed correctly.
- ❑ When the AP was under the management of the AT-Vista Manager EX AWC Plug-in, the AWC management process of AP is restarted.
- ❑ Even if AP receives DHCP NAC, AP does not send DHCP discovery.
- ❑ AP occurs memory-leak when some wireless clients frequently connect and disconnect to VAP which is enabled Dynamic VLAN.
- ❑ AP displays the security of the detected AP which is setting by WEP as "None" on Neighbor AP page.
- ❑ AP can not name resolution for SNMP server, if input length of FQDN is 176 or more characters.
- ❑ When Management VLAN of AP is enabled, AT-Vista Manager EX AWC Plug-in failed to apply configuration to AP.
- ❑ Secondary RADIUS setting is not able to disable from AT-Vista Manager EX AWC Plug-in.
- ❑ AP can not be re-managed by AWC Plug-in if all Radio interfaces are disabled setting.

### **Initial Release: Firmware: 5.0.0 B11**

The following issues are included in V5.0.0:

- ❑ Support for AT-Vista Manager EX v2.4.0 with AWC Plug-in Management is included.
- ❑ Channel blanket is not supported.

## Contacting Allied Telesis

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If you need assistance with this product, you can contact Allied Telesis Inc. technical support by going to the Support & Services section of the Allied Telesis Inc. web site at [www.alliedtelesis.com/support](http://www.alliedtelesis.com/support). You can find links for the following services on this page:

- ❑ 24/7 Online Support — Enter our interactive support center to search for answers to your product questions in our knowledge database, to check support tickets, to learn about RMAs, and to contact Allied Telesis Inc. technical experts.
- ❑ USA and EMEA phone support — Select the phone number that best fits your location and customer type.
- ❑ Hardware warranty information — Learn about Allied Telesis Inc. warranties and register your product online.
- ❑ Replacement Services — Submit a Return Merchandise Authorization (RMA) request via our interactive support center.
- ❑ Documentation — View the most recent installation and user guides, software release notes, white papers, and data sheets for your products.
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