



TQ7403 Wireless Access Point Version 10.0.5-1.2 Software Release Notes

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

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Supported Platform

The following access point supports version 10.0.5-1.2:

- TQ7403

The firmware filename is:

- AT-TQ7403-10.0.5-1.2.img

For instructions on how to upgrade the management software on the TQ7403 wireless access points, see the *TQ7403 Wireless Access Point Installation Guide*, available on the Allied Telesis Inc. website at www.alliedtelesis.com/library.

Resolved Issues

Here are the resolved issues for the TQ7403 access point version 10.0.5-1.2:

- When a wireless client using beamforming was connected, communication on the radio band the client was using would sometimes become intermittent.
- The access point may have unexpectedly rebooted while receiving packets related to IEEE802.11ax from wireless a client connected to IEEE802.11a/b/g.
- When a wireless client was connecting or disconnecting, if the wireless chip detected an abnormality, it may start a recovery process.

Known issues

Here are the known issues for the TQ7403 access point version 10.0.5-1.2

- ❑ The Radar Detecting Channel List is cleared when a radio setting is changed.
- ❑ The LAN port takes approximately 30 seconds to start communications after it links up.
- ❑ The LAN port on the access point that is powered from the AC adapter takes approximately one minute to link up when the Ethernet cable is disconnected and connected.
- ❑ The access point transmits the following illegal frames to the Ethernet port on the link partner when PORT2 is in the Cascade mode:
 - The Source MAC address and Destination MAC addresses are the same.
 - The Source MAC Address is a broadcast address.
- ❑ On the Legacy Rates on the Advanced Settings page for Radios, you must deselect rates lower than the selected minimum basic rate.
 - The basic rate for Radio 1 can be 1, 2, 5.5, or 11.
 - The basic rate for Radio 2 can be 6, 12, or 24.
- ❑ On the Neighbor AP page in Monitoring, the security is displayed as WEP even when the security is set to OSEN. OSEN is a security option and can be selected when Passpoint is enabled.
- ❑ Communications via IPv6 fail on VAPs with Dynamic VLAN enabled when IP auto-configuration of IPv6 Router Advertisement is enabled.
- ❑ Even when only the primary RADUIS server is specified, a following log might be issued: "RADIUS No response from Authentication server IP ADDRESS:PORT - failover."
- ❑ If a wireless client in the power saving mode does not respond to the access point, it disconnects the wireless client even before the inactivity timer expires.
- ❑ Fast roaming IEEE802.11r with MAC Access Control and Distributed System cannot be enabled at the same time.
- ❑ The LAN port on the access point goes down for three seconds when a configuration is being applied by either Vista Manager EX or the Device GUI.
- ❑ Vista Manager EX occasionally fails to manage the access point right after the access point boots up.
- ❑ Packet losses or communication delay may occur for approximately ten seconds when Neighbor AP Detection is enabled. Leave Neighbor AP Detection disabled if you need to avoid the communication interruption.
- ❑ The access point with Management VLAN Tag enabled and VLAN ID set to 1 continues to communicate for several minutes even after the VLAN setting of the port on the switch connected to the access point is changed from Tagged 1 to Untagged 1.
- ❑ Single-byte spaces can be entered in the URL field for Captive Portal.
- ❑ The walled garden wildcard entry is case sensitive.
- ❑ When IEEE802.11k is enabled, for some access points with Hidden SSID enabled, information is not shared correctly.
- ❑ A wireless client's RX rate is shown as rounded down on Vista Manager EX.

- ❑ If an IP address is assigned from a DHCP server with a DHCP lease time of 1 minute or less, the AMF guest node feature will not work.
- ❑ [AWC-CB] The AP may reboot when a network loop occurs.
- ❑ [AWC-CB] When the AP disconnects a wireless client by “Disconnection No ACK” after hand-over, the AP does not send deauth frame to Radio3’s VAP.
- ❑ [AWC-CB] The AP will sometimes output an error log which includes “softirq: huh, entered softirq”.
- ❑ It may take up to one minute per wireless interface for the number of connected clients to be reflected by the MIB value atkWiAcAPInfoNumOfSTA.
- ❑ An AP will very occasionally reboot if the power is cycled on and off several times.
- ❑ A beacon will be transmitted with maximum power even when the transmission output power on Radio1 or Radio3 is set to "Middle".
- ❑ When using IEEE802.11n or a later wireless standard, Wi-Fi Multi Media (WMM) would not be disabled, despite being set to 'disable' in its configuration.
- ❑ If clients in different VLANs connect to the same wireless access point, communication between them may be unavailable when the following features are enabled:
 - Dynamic VLAN
 - AMF Application Proxy
 - Virtual IP address for Captive Portal
 - LAN2 Port Settings (Static LAG, Cascade, LACP)
 - WDS (Wireless Distribution Systems)
 - AWC-CB (Channel Blanket).

Limitations

Here are the limitations for version 10.0.5-1.2:

- ❑ Wireless Distribution System (WDS) and MU-MIMO / OFDMA cannot be enabled at the same time.
- ❑ When Dynamic VLAN is enabled, SNMP cannot get the value of OID 1.3.6.1.2.1.17.4.3.1.1 (MAC address information).
- ❑ Fast Roaming with Enabling Over the DS on Radio3 (6GHz) is not supported.

Limitations When Using Channel Blanket (AWC-CB)

Here are the limitations when using Channel Blanket (AWC-CB):

- ❑ Limitations on the access point:
 - Enabling Band steer on the access point is not supported.
 - The Change Duplicate AUTH received setting is not supported.
 - Only Duplicate AUTH:ignore is supported.
 - The same radio settings are required on all access points under Channel Blanket.
 - Enabling WDS is not supported.

- Enabling AMF Application Proxy is not supported.
- Enabling AWC-SC VAP is not supported.
- ❑ Limitations on enabling Channel Blanket on a radio interface:
 - Changing the RTS setting is not supported.
 - Enabling Airtime Fairness is not supported.
- ❑ Limitations on enabling Channel Blanket VAP:
 - Changing Broadcast Key Refresh Rate is not supported.
 - Changing Session Key Refresh Rate is not supported.
 - Changing the Session Key Refresh Action setting is not supported.
 - Enabling RADIUS Accounting is not supported.
 - Pre-authentication is disabled and cannot be enabled.
 - The Session-Timeout RADIUS attribute is disabled and cannot be enabled.
 - Changing Inactivity Timer is not supported.
 - IEEE802.11w (MFP) should be disabled.
- ❑ Limitations on the Channel Blanket settings:
 - Setting Management VLAN ID and Control VLAN ID is not supported.
 - Setting VAP VLAN ID and Control VLAN ID is not supported.
- ❑ Limitations on Channel Blanket behavior:
 - Communications of wireless clients are affected when the access point is turned off or rebooted.

Specifications with Channel Blanket (AWC-CB)

Here are specifications on the access point with Channel Blanket (AWC-CB):

Note

The following specifications do not apply to TQ5403, TQ5403e and TQ6602 using Channel Blanket

- ❑ The access point will begin a deliberate reboot when a configuration from Vista Manager EX using Channel Blanket (AWC-CB) is applied. The access point will reboot in the following scenarios:
 - Vista Manager EX applies the Channel Blanket profile settings to the access point for the first time.
 - Vista Manager EX applies the Channel Blanket profile settings to an access point that has been configured as a multi-channel access point.
 - Vista Manager EX removes the access point from Channel Blanket.

The following log is issued when the access point reboots for the above reasons:

```

cwm[dxxx]: CWM: APMgr[dxxx]: AP XX:XX:XX:XX:XX:XX reboots for applying
configuration
  
```

Supported Countries

The TQ7403 access point continues to support the following countries:

(Note: * 6GHz cannot be selected in these countries)

- Australia
- Austria
- Belgium
- Bulgaria*
- Canada
- Croatia
- Cyprus*
- Czech Republic
- Denmark
- Estonia*
- Finland
- France
- Germany
- Greece
- Hong Kong
- Hungary*
- Ireland
- Italy*
- Japan
- Latvia
- Lithuania*
- Luxembourg
- Malaysia
- Malta*
- Netherlands
- New Zealand
- Poland*
- Portugal
- Romania
- Singapore
- Slovakia Republic*
- Slovenia*
- Spain
- Sweden*

- Taiwan
- Thailand
- United Kingdom
- United States

Contacting Allied Telesis

If you need assistance with this product, visit the Allied Telesis website at www.alliedtelesis.com/services.

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