



Software Release Information

Wireless Bolt II Firmware

7750 - Wireless Bolt II

Firmware

Application

Version 1.03.03

2023-12-20

Reason for release:

- Client mode improvements
- Minimize latency peaks
- NAT support
- Roaming improvement

Changes since last release:

Title	Category	Description	Issue(s) number
Platform update	Platform	System OS updated to new version.	A7750-711
Wi-Fi driver update	Radio	Driver for Wi-Fi chipset updated.	A7750-707
Layer 3 NAT	New feature	Layer 3 NAT client mode added. Allows the Bolt II to connect multiple wired devices to a 3 rd party Access Point.	A7750-475 A7750A-387
DHCP server static leases	New feature	Static leases can now be configured for the built-in DHCP server.	A7750A-350
Roaming background scanning	Improvement	Adjusted roaming parameters to improve data latency when wireless signal level is good.	A7750-805 A7750A-422
MAC Clone	Improvement	Automatic configuration is now the default setting.	A7750-846 A7750-847
MAC Clone capture port	Improvement	Capture port can now be reconfigured without rebooting the device.	A7750-709
User interface	Improvement	Minor updates to user interface useability.	A7750A-414 A7750A-417 A7750A-418
Channel selective background scanning	Improvement	Added DFS-channels to list of selectable 5GHz channels.	A7750A-427
Access point status	Bug fix	Fix access point not decrementing client counter when clients are lost.	A7750-510
Roaming channels configuration	Bug fix	Fix intermittent mismatch between configured roaming channels and actual behavior.	A7750-770 A7750A-382
Handle quick config crash	Bug fix	Fix device sometimes becoming unresponsive after applying configuration changes in rapid succession.	A7750-783 A7750-826 A7750A-409
Wi-Fi scanning security types	Bug fix	Fix enterprise networks showing up as using WPA2-Personal when scanning.	A7750-807
Configuration import	Bug fix	Fix imported configuration not always being applied correctly.	A7750A-428
Channel selective background scanning	New feature	Added possibility to select which channels to scan when looking for an SSID. This can be used to improve roaming performance when channels are known.	A7750-644
Fast roaming client	New feature	Added support for fast roaming (802.11r) in client mode.	A7750-663
MAC Clone capture port	New feature	It is now possible to access the configuration pages via the wireless interface when in MAC Clone mode by browsing to a specified port.	A7750-161
MAC Clone GARP	New feature	Added option to generate a gratuitous ARP for the cloned device when connecting to a new AP. (Also every 30s even without switching AP.)	A7750-615
Auto MAC Clone	New feature	Added option to automatically configure MAC Clone settings by analyzing wired Ethernet traffic at startup.	A7750-175 A7750-633 A7750A-372 A7750A-373



Software Release Information

Wireless Bolt II Firmware

7750 - Wireless Bolt II
Firmware
Application
Version 1.03.03
2023-12-20

Title	Category	Description	Issue(s) number
Roaming	Improvement	Disable roaming when configured as a Cable Replacement Client.	A7750-631 A7750-632
Event logging	Improvement	Updated internal logging levels and web UI interface.	A7750-662 A7750-686 A7750A-369
User interface	Improvement	Minor updates to user interface useability.	A7750A-367 A7750A-368 A7750A-375
Connectivity	Improvement	Added watchdog to workaround connectivity problems.	A7750-687
Connectivity	Bug fix	Fixed bug making device sometimes stop trying to reconnect to the wireless network after roaming.	A7750-685
MAC Clone	Bug fix	Fixed case where MAC Clone could be disabled with no way to enable it.	A7750-769

Affected functionality

		Description
Affected functionality	<input type="checkbox"/> Bootloader <input checked="" type="checkbox"/> OS <input checked="" type="checkbox"/> Platform <input checked="" type="checkbox"/> GUI interface (Web pages) <input checked="" type="checkbox"/> Default configuration settings <input checked="" type="checkbox"/> Security <input checked="" type="checkbox"/> Network <input checked="" type="checkbox"/> Wireless <input checked="" type="checkbox"/> Application interface <input checked="" type="checkbox"/> IT-functionality <input checked="" type="checkbox"/> Stability <input type="checkbox"/> Other	

Compatibility:

This release works on Anybus Wireless Bolt II.

Hardware

This firmware can run on the following hardware.

PCB	Compatible
8540-1.0.4; Bolt II	Compatible



Software Release Information

Wireless Bolt II Firmware

7750 - Wireless Bolt II
Firmware
Application
Version 1.03.03
2023-12-20

Updates in earlier versions:

1.01.01

Title	Category	Description	Issue(s) number
Client Mode	New feature	Added Wi-Fi Client Mode with MAC Clone support	A7750A-348
MAC Clone	New feature	The device can clone the MAC of a wired device, resulting in a fully transparent bridge for a single device in a non-WDS setup	A7750-172 A7750-363 A7750-559 A7750-607
Roaming	New feature	When using one of the Client operation modes the device will roam if an access point with better signal is detected	A7750-587
Password validation	Bug fix	Fixed error that caused a truncated password if attempting to reuse previous password. Added disabling of the apply button when the validation failed.	A7750A-363

1.00.02

Title	Category	Description	Issue(s) number
Issue description	New Feature / Improved / Correction	First release	