

# Firmware Release Notes

## Araknis Wireless Access Points

Version 2.0.02



## Release Details

Release Date	10/31/2019 (indoor) —or— 1/21/2020 (outdoor)
Firmware Version	2.0.02
Product SKUs Affected	AN-500-AP-I-AC AN-700-AP-I-AC AN-700-AP-O-AC

**IMPORTANT: Reboot your AP *prior* to applying this firmware.**

**NOTE: Clear browser cache & settings prior to and after the firmware upgrade.**

### Added/Removed Features

- Updated local UI look and feel for greater consistency across Araknis WAP.
- Updated user accounts / user access to accommodate password law constraints set by California's IoT security legislation.

### Resolved Cloud Issues

- Implemented long-term improvement for persistent OvrC connectivity.

### Resolved Functional/Local Issues

- Improved functionality for environments that experience periodic loss of internet and/or device connectivity.
- Improved functionality for environments that experience WAP reboots and/or slowed throughput.
- Improved compatibility with wireless iOS devices.
- Fixed DST and time-zone related settings around configuration adjustments.
- Updated browser tab name. It now references the specific SKU on the local UI tab.
- Updated certificate requirements to accommodate use of the local UI with MacOS 13 (Catalina). See <https://support.apple.com/en-is/HT210176>

## Release Details

Release Date	10/18/2018
Firmware Version	2.0.00
Product SKUs Affected	AN-700-AP-I-AC

### Added/Removed Features

- Updated Wireless Driver for optimized client communication.
- Updated SDK and Kernel for better packet processing and to ensure stability of the AP.

### Resolved Functional/Local Issues

- Fixed OvrC connectivity issue by adding a DNS watchdog.
- Updated device communication with the server to include status information like RX/TX and client MAC address.

### MAJOR Resolved Local UI Issues

- The AN-700 AP no longer randomly reboots.
- Fixed issue that caused the AP to perform sluggishly (latency and throughput) when devices are connected for long periods of time with a high data rate.
- Fixed issue wherein certain devices could not connect or would not stay connected to the AP (particularly optimized for IoT Devices).
- WAP now consistently hands out DHCP addresses from the router.

### Minor Resolved Local UI Issues

- Fixed issue wherein the AP would receive a previously set manual time upon reboot of the device.
- Improved System Log through removal of unnecessary SDK-related status entries.

## Release Details

Release Date	12/12/2017
Firmware Version	1.3.02
Product SKUs Affected	AN-100-AP-I-N AN-300-AP-I-N AN-500-AP-I-AC AN-700-AP-O-AC AN-700-AP-I-AC

## Resolved Functional/Local Issues

- Fixed the known issue in the 1.3.00 KRACK FW Patch; wherein the AP would lock up if its LAN port were manually configured as a 10/100M connection.

## Release Details

Release Date	11/09/2017
Firmware Version	1.3.00 - PATCH
Product SKUs Affected	AN-100-AP-I-N AN-300-AP-I-N AN-500-AP-I-AC AN-700-AP-O-AC AN-700-AP-I-AC

## Resolved Functional/Local Issues

- Fixed a vulnerability allowing for Key Reinstallation Attacks (KRACK) that could jeopardize the security of all information travelling to and from the access point wirelessly.

## Known Issues

- Cause:** Manually configuring the LAN port to be a 10/100M connection.
- Result:** The AP locks up and stops passing traffic.
- Workaround:** Reboot the access point after applying settings via a remotely controlled power outlet or PoE Switch.

**Note:** A passive fix for this issue is coming, but we expect the vast majority of you will find this FW release to be an important and acceptable patch against the notorious KRACK vulnerability.

## Release Details

Release Date	9/11/2017
Firmware Version	1.2.00
Product SKUs Affected	AN-100-AP-I-N AN-300-AP-I-N AN-500-AP-I-AC AN-700-AP-I-AC

## Resolved Functional/Local Issues

- Removed the “Encryption Key” field from WPS settings for security reasons.
- Fixed issue with SNMP where all ports reported 10Mbps connection speed when they were negotiated otherwise.
- Fixed issue with VLANs settings where if the user tried to save a value outside the acceptable range, the router would throw an error but also incorrectly default the value to 51 or 1. Now defaults to a null value.
- Fixed information bubble for “Status” under the Auto-Reboot section. Bubble now states, “It takes 2-3 minutes to fully boot”.
- Fixed issue on the Wireless Settings page where “advanced search” would display as an option when, in reality, it is not a functionality the WAP supports. The field is no longer displayed.
- Fixed issue with Bonjour where the Araknis AP’s name would not show up in a Fing scan. Now, Bonjour is enabled by default.
- Fixed issue with the 700 indoor AP not passing client device DHCP requests on to the router.
- Fixed issue with formatting on the LAN page IP Settings table; had mismatched coloring.
- Fixed issue with Fast Roaming hand-off, would not occur effectively when installing the access points at close range with multiple SSIDs. Now an adjusted beacon interval permits good performance at both short and long distances.
- Fixed issue with Admin Password when using a special character (\$) in the password would cause the system to parse out the \$ and everything after it.

## Resolved Cloud Issues and Features

- Added functionality to support new and upcoming feature-sets in the OvrC UI.
- Removed duplicate client list information from 60sec OvrC updates.

## Release Details

Release Date	6/22/2017
Firmware Version	1.1.14
Product SKUs Affected	AN-100-AP-I-N AN-300-AP-I-N AN-500-AP-I-AC AN-700-AP-I-AC

## New Features

- Added feature to disable/enable broadcasting of the repeater SSID on any given WAP.
- Added feature wherein you can now configure the radio power levels independently for each radio, 2.4 or 5GHz.

## Resolved Functional/Local Issues

- Fixed issue wherein WAPs ran over 90% memory utilization with normal process. This will help ensure the WAP operates consistently over time.
- Fixed issue wherein the AN-300-AP prompts the user that a configuration change is ready when actually there is no change.
- Fixed issue where the system name could be modified by OvrC to be invalid, preventing DHCP addresses from being handed out.
- Fixed issue where a node is established per each new connection, filling up the system log. Now, this log is not provided as it is inconsequential.
- Fixed issue where the help bubble for Araknis EZ Access does not display dynamically according to system name that is configured.
- Fixed issue wherein the WAP logs on FW 1.1.10 and above have not been reporting most system activity. Now reports more information per system operation.
- Fixed issue when running multiple 2.4 and 5GHz networks, that one or more would not broadcast consistently. This was a band-steering related issue that has since been solved.
- Fixed the input limits on the traffic shaping feature to be accurate to what the WAP can do per radio.
- Fixed issue where the MAC filter schedule was shared between both allow and deny lists. Now the lists are unique.

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## Resolved Cloud Issues

- Fixed issue where when changing the SSID via OvrC, only one radio would change, not both when both would be applicable.
- Fixed issue where if the “\$” is used in a SSID password sent from OvrC, then the password is truncated.

## Contacting Technical Support

Phone: (866) 838-5052

Email: [support@araknisnetworks.com](mailto:support@araknisnetworks.com)

## Release Details

Release Date	5/31/2016
Firmware Version	1.1.10
Product SKUs Affected	AN-100-AP-I-N AN-300-AP-I-N

## New Features

- Changed the system log to only log messages more urgent than level 4(error).

## Resolved Functional/Local Issues

- Fixed issue with the traffic shaping limits on respective WAP SKUs. Now in line with what the WAP is actually capable of doing.
- Fixed issue where if VLANs are established per SSID, then traffic shaping rules aren't properly applied.
- Fixed issue where clicking on WPS in the left navigation bar created a configuration change.
- Fixed issue where the file window for upload configuration on the file management page will not close on the Edge browser.
- Fixed issue where clients connected to the guest network always show in the client list as offline, even when they are online.

## Resolved Cloud Issues

- Fixed issue where the client list found in OvrC would not report 2.4 GHz clients when band steering was enabled on the access point.
- Fixed issue with properly displaying VLAN ID and configuration options on OvrC. Now displays properly.

## Known Cloud Issues

- If you are configuring an SSID in the OvrC app, when using certain special characters, particularly “\$”, passwords may be truncated. We suggest avoiding the use of special characters in SSID passwords when using OvrC for setup until we resolve this issue in a future release.

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