Araknis x10 Series Routers Firmware Release Notes

Release Details

Release Date	2021/11/10
Firmware Version	1.0.88
Product SKUs Affected	AN-110-RT-2L1W, AN-110-RT-2L1W-WIFI

Firmware Version	1.1.66
Product SKUs Affected	AN-310-RT-4L2W

Resolved Functional/Local Issues

- Security improvements.

Release Details

Release Date	2020/07/23
Firmware Version	1.1.64
Product SKUs Affected	AN-310-RT-4L2W

Installation Notes

- If router is not operational post-update, please refer to recovery steps in the Recovery Firmware folder of the firmware release package.
- Firmware release package is found on the support tab of the AN-310-RT-4L2W product page on SnapAV.com.

New Features and Improvements

- Added WAN2 Functionality (fail-over and load-balancing).
- Added WAN3 Functionality to Combo Port (LAN4 is now WAN3 as well).
- Added Route Binding.
- Updated VLANs, Port Forwarding, and DDNS to reflect multi-WAN installations.
- Added IPSec Gateway-to-Gateway VPN.
- Added Access Control List (ACL) functionality (with Service Management).
- Added Bandwidth Control functionality (limit bandwidth across WANs on specified IP ranges).
- Updated info bubbles for various features to reflect updates.
- Added protocol selection drop-down for OpenVPN.
- Updated DNS to latest SDK 2.81 with additional improvements for reliability.

Resolved Functional/Local Issues

- Fixed date range expiration issue with OpenVPN key generation.
- Fixed UPnP issues while running various VPN agents and Parallels on Apple computers.

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Release Details

Release Date	2020/03/05
Firmware Version	1.0.86
Product SKUs Affected	AN-110-RT-2L1W, AN-110-RT-2L1W-WIFI

Firmware Version	1.0.67
Product SKUs Affected	AN-310-RT-4L2W

Installation Notes

- None.

New Features and Improvements

- Added Hub FoB Mechanism - Latest hub automatically downloads on reboot of the system!
- Added OvrC 3rd party support for following products:

  - APC products: AP8xxx & AP7xxxB series.
  - Triad products: AMS-8 & AMS-24.
  - Doorbird IP Video door intercom.
  - Russound IP Amplifiers.
  - Enhanced support for Integra/Onkyo/Pioneer devices.

Resolved Functional/Local Issues

- High-throughput wireless applications no longer lock up the 110W.

Resolved OvrC Issues

- Fixed issue wherein WEMO devices could cause the hub on the router to reboot.
- Updated Control4 protocol to use the new login credentials on the latest C4 OS 3.1.1.
- Updated Ubiquiti Edgeswitch protocol to watch for and handle additional password prompts.
- Blank hub interface cards no longer display in OvrC.
- Yamaha properly displays firmware information on OvrC.
- Fixed port scan setting inputs and limitations to take the appropriate user inputs.
- Fixed authentication bug preventing open ports from being discovered on some devices/ports (per port scan).

Release Details

Release Date	2019/07/19
Firmware Version	1.0.59
Product SKUs Affected	AN-110-RT-2L1W, AN-110-RT-2L1W-WIFI

Firmware Version	1.0.40
Product SKUs Affected	AN-310-RT-4L2W

Installation Notes

- None.

Resolved Functional/Local Issues

Large Fixes

- Increased available port-forwarding rules on the 310-RT (only) to 200.
- Added support for port forwarding many-many, single-many configurations.
- The system now allows overlapping subnets.
- Router no longer loses the DNS reference.
- Can use DDNS with 3rd-party DNS services and expanded character length to allow for customization.
- DDNS now recovers when static WAN is set with NSD enabled.
- Fixed use of PPTP VPNs with the Shimo client application.
- Fixed DHCP server crashing when NTP option type = "text"
- Low-speed FW upgrades function down to 2.0Mbps.
- No auto timeout on port forwarding page to prevent loss of user-entered data; it now prompts with countdown for exit.
- Fixed issue with using port forwarding while utilizing dhcp relay and static subnets.
- Fixed encryption issue with using PPTP on Windows 10 Pro.
- Fixed rare issue wherein the router would require manual reboot after FW update or recovery.
- DST now falls back or moves forward properly.
- Fixed issue with OpenVPN tunnel connecting but not establishing internet connection.
- System no longer allows the same MAC on multiple reservations within the same subnet.
- DHCP options no longer cause a DHCP server crash when choosing HEX.

Other Fixes

- Edits to static route table.
- Minimum-character check for the MAC address field in DHCP reservations.
- Manufacturer names display properly in the client table.

- Fixed the arbitrary addition of leading and trailing periods for the local DNS page and system name on the System Settings page.
- Fixed false reporting around NSD on WAN 2 without an active link.
- Client devices no longer remain on the client table after removal/reboot.
- Fixed issue with recovery mode; you do not have to take extra reboot steps.
- PPTP align properly beyond 6 cards.
- Fixed issue with system log overflowing with system time service restarts. It is now mitigated to show far fewer of these entries.
- The router's local DNS option properly displays advanced settings for our switches.
- System will not falsely prevent setting port 16000 by claiming it is taken by OvrC.
- Characters display correctly in the OvrC client tables.

Release Details

Release Date	2019/02/12
Firmware Version	1.0.43
Product SKUs Affected	AN-110-RT-2L1W, AN-110-RT-2L1W-WIFI

Installation Notes

- None.

Resolved Functional/Local Issues

Large Fixes

- SSDP/SDDP traffic now traverses the router properly, thus fixing Control4/Sonos/Elan/any other systems that use SSDP/SDDP protocol to communicate.
- Communication between the 2.4 and 5GHz Wireless Clients nows relays properly through the router.
- The config file on the router no longer duplicates MAC addresses.
- Procuring WAN IP/Gateway addresses works properly under various special scenarios.
- Port Forwarding and DMZ now work when using PPPoE on the WAN side.

Other Fixes

- DDNS service name appends properly upon apply or WAN connection status change.
- DDNS service name appends properly when creating an OpenVPN tunnel.
- DDNS service in the UI shows proper information as far as application in progress/failed/success.
- Router no longer offers the DHCP reservation of another device upon device check-in.
- Router no longer improperly shows a validation error on port forwarding rules that are correctly entered.
- The "DHCP Clients Available" quantity on the Clients and Services page now display correctly.
- Fixed issue wherein, even when disconnected and non-static, WAN 1 would hold onto the DNS addresses previously configured to the system.
- Fixed memory leak in the router when running the router at/near max capacity.
- Static routing rules display properly in the static routing table (specifically admin. multicast address 239.0.0.0/255.0.0.0).
- Wireless clients show up properly in the wireless clients list.
- Clients connecting to a PPTP tunnel now receive a gateway.
- Autonomic devices on the network can now update through the routers.
- Fixed ingress and egress of standard and multicast traffic when using inter-VLAN routing.
- Router now recovers automatically.
- Eliminated Telnet exposure without enablement.
- Router now shows up as a bonjour client via network scans.
- Remote management, port forwarding, and UPnP rules now take priority over any DMZ settings.
- SIP ALG function on the Firewall page now works properly.

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- Port triggering takes effect when called.
- Fixed issue with using Dual-Stack(IPv4/IPv6) with PPPoE WAN settings.

OvrC Fixes

- OvrC client on the router no longer terminates if a reboot command did not execute fully.
- Fixed future functionality with regards to Wireless-VLAN and Wireless Passphrase settings.
- Port forwarding rules from OvrC now set properly.
- Wireless settings sent from OvrC display properly in the local UI.
- Can use SSH/Telnet tunneling via the hub in the router.
- OvrC client now recovers after an extended downtime (60 minutes).

Technical Support

For chat and telephone, visit **tech.control4.com/s/contactsupport** • Email: **TechSupport@SnapOne.com.** Visit **tech.control4.com** for discussions, instructional videos, news, and more.

Warranty and Legal Notices

Find details of the product's Limited Warranty at **snapone.com/legal/** or request a paper copy from Customer Service at **866.424.4489**. Find other legal resources, such as regulatory notices and patent and safety information, at **snapone.com/legal/** .

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