

Release Notes for DrayTek VigorAP 910C (UK/Ireland)

Firmware Version	1.2.0
Release Type	Critical – Upgrade recommended immediately
Release Date	19 th January 2017
Build Date	12 th December 2016
Revision	6649
Applicable Models	VigorAP 910C
Locale	UK Only

New Features

1. The number of clients allowed to connect can be limited per SSID
2. The AP can be configured to disable its wireless interface while its Internet connection is unavailable, determined with ping detection, in [Applications] > [Auto Switch On/Off Wi-Fi]
3. SNMP support added via SNMPv3
4. The AP's Telnet interface can be disabled from [System Maintenance] > [Management]
5. If the AP's DHCP server is disabled, the AP can now be configured to allow only a Trusted DHCP server IP to provide DHCP to wireless clients under [LAN] > [General Setup]

Improvements

1. Security improvements including one or more considered critical.
2. Improvements to the Quick Start Wizard
3. The Isolate Member function did not work for wireless LAN clients in some scenarios
4. Advanced wireless settings such as MAC Clone, TX Power % moved to [Wireless LAN] > [Advanced Settings]
5. Auto channel selection now has **Auto Channel Filtered Out List** to specify which channels should not be used by the AP when auto detecting which wireless channel to operate on
6. [Wireless LAN] > [Station List] now displays Vendor name derived from MAC address OUI
7. Improvements to Fast Handoff using WPA2/802.1x security

Known Issues

(None)

Firmware File Types

The ZIP file contains the firmware with a file extension of .ALL. If you install the ALL file, your access point will retain all existing settings.

Important Note - DO NOT POWER OFF WHEN UPDATING FIRMWARE

When updating from 1.1.3.2 firmware, this firmware updates the bootloader of the access point in addition to the firmware, this means that the access point will reboot twice.

It is essential that the access point is not powered off during this time as it may put the access point into an unrecoverable state. This can take up to 3 minutes when updating locally.

Upgrade Instructions

It is recommended that you take a configuration backup prior to upgrading the firmware. This can be done from the AP's system maintenance menu.

To upgrade firmware, select '*firmware upgrade*' from the AP's system maintenance menu and select the correct file. The access point will perform the upgrade and automatically reboot once this completes.



Manual Upgrade

If you cannot access the AP's menu, you can put the AP into 'TFTP' mode by holding the FACTORY RESET button whilst turning the unit on and then use the Firmware Utility. That will enable TFTP mode. TFTP mode is indicated by all LEDs flashing. This mode will also be automatically enabled by the router if there is a firmware/settings abnormality. Upgrading from the web interface is easier and recommended – this manual mode is only needed if the web interface is inaccessible.

Firmware Version	1.1.7.2
Release Date	7th October 2016
Applicable Models	VigorAP 910C
Locale	UK ONLY

New Features

(None)

Improvement

1. ACS required two attempts to successfully write settings to AP immediately after AP reboot
2. Resolved an issue that stopped Windows 10 computers from reconnecting to a VigorAP when using WPA2/802.1x security and the EAP-TLS RADIUS functionality on the AP
3. Universal Repeater 5GHz mode could not connect to the remote wireless network if the pass-phrase contained ";" (semicolon) character
4. Improved HTTPS response times for VigorAP web interface
5. Added VigorACS TR-069 parameters for Airtime Fairness and Wireless LAN Client Limit

Known Issues

(None)

Firmware Version	1.1.7
Release Date	23rd June 2016
Applicable Models	VigorAP 910C
Locale	UK ONLY

New Features

1. Mobile Device Management added to control connections to the AP from mobile devices, PCs / Laptops and unknown devices
2. [Wireless LAN] > [Roaming] has new AP-assisted Client Roaming options to disassociate clients based on RSSI (recommended) or data rate
3. RTS Threshold and Fragment Length and Wireless Region can be configured from [Wireless LAN] > [Advanced Setting]
4. Support additional TR-069 related parameters for central AP management
5. [Wireless LAN] > [Station List] > [Neighbour] now shows Vendor names
6. The configuration backup can now be password protected & encrypted
7. Mail Alert can now send via TLS, configured under [System Maintenance] > [Syslog / Mail Alert Setup]

Improvement

1. Session validation method improved in Web UI
2. Universal Repeater mode can now pass Airplay / mDNS packets across the wireless link
3. Resolved an issue that could stop an AP using RADIUS / 802.1X authentication from passing traffic after changing 5GHz security settings
4. Resolved LAN port issue that could occur when using Schedules
5. Enabling Management VLAN could stop NTP from updating
6. Resolved display/functionality issues in [Wireless LAN 5GHz] > [Bandwidth Management]
7. Add legend ("Seconds") for "Session Timeout" field in RADIUS Server settings under [Wireless LAN] > [Security]
8. Improvements to Band Steering mechanism
9. The web interface now displays a notification to change the default password of the AP
10. Performance improvements to 5GHz Airtime Fairness
11. [Central AP Management] > [Status of Settings] updated with RSSI Threshold
12. Improved connection speed with 5GHz WPA2/PSK and 2.4GHz WPA2/802.1x connections

Known Issues

(None)

Firmware Version	1.1.6
Release Date	22nd February 2016
Applicable Models	VigorAP 910C
Locale	UK ONLY

New Features

1. Support for 5GHz PMK Caching under [Wireless LAN (5GHz)] > [Roaming]
2. Band Steering added (requires same SSID & PSK on both 2.4GHz & 5GHz), to help 5GHz capable clients connect to the faster 5GHz band
3. Support for Air-time Fairness, enabled under [Wireless LAN]>[Airtime Fairness] - <http://www.draytek.co.uk/support/guides/kb-airtimefairness>
4. [Wireless LAN]>[Station Control] to automatically disconnect clients after a specified time period
5. Schedule to enable or disable wireless now supports controlling 2.4GHz or 5GHz (Radio), SSID 2, SSID 3 and SSID 4 in a schedule entry
6. Certificate Management added to [RADIUS Setting] menu, to generate a custom self-signed certificate for RADIUS server or WUI usage
7. [System Maintenance] > [Management] - LED Setup can now set the ACT LED to Blue, Orange or Purple. The LED can also be configured to remain "Always On" instead of "Flashing"
8. Added MAC address blacklist / whitelist to [Central AP Management] > [Overload Management]
9. [Diagnostics] > [WLAN (2.4GHz / 5GHz) Statistics] added to show detailed wireless statistics for the AP and per SSID
10. [Diagnostics] > [Station Statistics] added to display number of wireless clients nearby and connected to the AP on an hourly, daily or weekly basis
11. [Diagnostics] > [Data Flow Monitor] added to show bandwidth usage per wireless client
12. [Central AP Management] > [Status of Settings] added to indicate settings configured by the managing router

Improvement

1. Unique self-signed certificate automatically generated on initial boot
2. RTS Threshold and Fragment Length can be configured from [Wireless LAN] > [Advanced Setting]

Known Issues

(None)

Firmware Version	1.1.5.2
Release Date	27th October 2015
Applicable Models	VigorAP 910C
Locale	UK ONLY

New Features

1. The LED can be disabled permanently on the AP by setting the LED Status to Disable under [System Maintenance] > [Management] - LED Setup

Improvement

1. Improvements to the bootloader to resolve an issue that would stop the ACT LED from working when updating to 1.1.5.1 firmware
2. LED Enable/Disable via schedule can be configured in the schedule options

Known Issues

(None)

Firmware Version	1.1.5.1
Release Date	15th September 2015
Applicable Models	VigorAP 910C
Locale	UK ONLY

New Features

1. Support for Dynamic Frequency Selection on 5GHz wireless interface, allows use of channels 52-64 and 100-140

Improvement

1. The Device Name configured for the AP now shows on the [System Maintenance] > [System Status] page
2. The AP will show a warning if the HTTP / HTTPS ports are changed on the AP
3. CPE Username and Password settings were not available when modifying settings via TR-069 / VigorACS
4. When the AP is in Universal Repeater mode, the Channel Autoselect option is no longer available, so that Universal Repeater mode can operate correctly
5. Resolved a display issue with [AP Discovery] which could occur after configuring the AP via the Quick Start Wizard
6. TR-069 parameters added to allow VigorACS to perform Central AP Management
7. Resolved a display issue with the Traffic Graph that would display inconsistent information for the Daily and Weekly views
8. Added a notification for AP Bridge - Point to Multi-Point mode under [Wireless LAN] > [General Setup] to indicate that Index 1 must be entered before Index 2
9. Resolved a display issue in [Wireless LAN (2.4GHz/5GHz)] > [Station List] that would display an incorrect Rx Rate value

Known Issues

1. The option to disable LED via schedule is unavailable. Disable/Enable LED schedule entries configured in 1.1.5 will continue to work with 1.1.5.1 firmware

Firmware Version	1.1.5
Release Date	11th September 2015
Applicable Models	VigorAP 910C
Locale	UK ONLY

New Features

1. 5GHz Universal Repeater Mode
2. 5GHz Bandwidth Management
3. Support for Central AP Management
4. "Where Am I?" Buzzer feature, can be triggered manually or via schedule

Improvement

(None)

Firmware Version	1.1.3.2 (first release)
Applicable Models	VigorAP 910C
Locale	UK ONLY

First Firmware Release for this model

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