

Release Notes for DrayTek VigorAP 902 (UK/Ireland)

Firmware Version	1.2.1
Release Type	Regular – Upgrade recommended when convenient Note: The previous firmware (1.2.0) was a critical release . This f/w includes all changes/improvements that were in 1.2.0.
Release Date	8 th June 2017
Build Date	10 th May 2017
Revision	7088
Applicable Models	VigorAP 902
Locale	UK Only

New Features

1. Support for extra TR-069 parameters
2. 5GHz Wireless LAN now supports WDS Bridge mode
3. Auto Channel Detection scheduler added for wireless Channel AutoSelect mode
4. Added mechanism to check connectivity to specified IP Address / Hostname and disable Wi-Fi if it is unavailable, in [Applications] > [Wi-Fi Auto On/Off]

Improvements

1. Updated HTTPS ciphers
2. Updated USB Temperature Sensor driver
3. Wireless clients now remain connected when updating [Wireless LAN] > [Access Control] configuration
4. Improved layout of [System Maintenance] > [Configuration Backup]
5. The VigorAP's configured name is now displayed in the page / tab title of the browser
6. Device Name was limited to 15 characters only, now allows up to 31 characters
7. Improvements to the Channel recommendation algorithm in Interference Monitor
8. Schedule system can now apply schedules overnight in a single schedule entry
9. Configuring Universal Repeater for 5GHz through Quick Start Wizard did not update SSID & Channel parameters when selecting from AP Discovery search results
10. Resolved an issue with setting Channel Width in [Wireless LAN (5GHz)] > [Advanced Setting]
11. Disabling then enabling LEDs on the VigorAP did not activate the LAN port LEDs
12. Resolved an issue with Internet access for SSIDs with VLAN tag and Isolate Member enabled
13. AP Monitor Mode could not be enabled in [Wireless LAN] > [AP Discovery]
14. Improved interoperability of "Isolate Member" function with some wireless clients
15. Performing a Speed Test could stop the web interface from responding
16. Wi-Fi Management probe responses were sent with an incorrect country code of "FR"

Known Issues

(None)

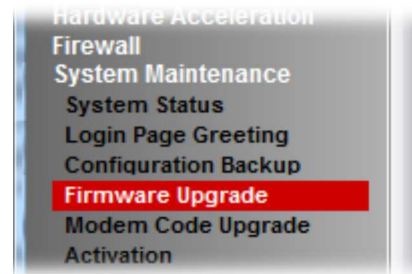
Firmware File Types

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.

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	1.2.0
Release Type	Critical – Upgrade recommended immediately
Release Date	26 th January 2017
Build Date	16 th January 2017
Revision	6740
Applicable Models	VigorAP 902
Locale	UK Only

New Features

5. LEDs on the AP can now be disabled from [System Maintenance] > [Management]
6. The number of clients allowed to connect can be limited per SSID
7. Mobile Device Management policies can now be applied per SSID
8. [Diagnostics] > [Interference Monitor] function added to view interference information of the active wireless channel or all wireless channels, to determine the clearest channel
9. [Diagnostics] > [Data Flow Monitor] added to view bandwidth usage of individual wireless clients
10. [Diagnostics] > [Station Airtime] added to view airtime usage of individual wireless clients
11. [Diagnostics] > [Station Link Speed] added to view statistics of link speeds for all clients
12. [Diagnostics] > [Station Traffic Graph] added to show data usage of each wireless client in a graph
13. The AP's Telnet interface can be disabled from [System Maintenance] > [Management]
14. Configuration files from the VigorAP 900 and VigorAP 810 can be imported
15. 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

17. Security improvements including one or more considered critical.
18. If the AP has its factory default password, the web interface will now advise to change it
19. Improved USB temperature sensor support
20. Improvements to the Quick Start Wizard
21. Improvements to AP Discovery function, with the recommended channel now determined from which has the least amount of detected interference / usage
22. Advanced wireless settings such as MAC Clone, TX Power % moved to [Wireless LAN] > [Advanced Settings]
23. 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
24. [Wireless LAN] > [Station List] now displays Vendor name derived from MAC address OUI
25. All SSIDs now have the default value of "3600" pre-set for [Wireless LAN] > [Security] Key Renewal Interval
26. Improvements to the display of data in [Diagnostics] > [Station Statistics]
27. Schedule function was not working correctly with configurations using a different "administrator" username
28. Resolved an issue that stopped the AP's web interface working correctly if the [RADIUS Setting] user list contained more than 7 users
29. VigorAP default VLAN tag parameter of "0" could not be applied via VigorACS

30. An error occurred when “&” character was used in a WLAN profile applied through Central AP Management
31. A 5GHz Universal Repeater connection could not be established if the pass-phrase of the network being connected to contained a “;” (semicolon) character
32. Resolved an issue with the AP’s Speed Test function
33. Apple AirPrint could not detect printers connected to the AP in some situations
34. Improvements to WPA2/802.1x security mode
35. The default Channel Bandwidth value is now Auto 20/40MHz instead of 20MHz
36. Resolved an issue that could block IGMP streams for wireless clients
37. When the AP was configured in Universal Repeater mode, Apple AirPlay did not work
38. Some schedule configurations could cause the AP’s LEDs to display incorrectly
39. Central AP Management could not apply wireless channels 8-11 to an AP
40. Resolved an issue with Central AP Management applying wireless profiles in some scenarios
41. Central AP Management for 5GHz applied 802.11a mode instead of 802.11ac
42. The AP could not be detected for Central AP Management in some scenarios
43. Resolved an issue that caused the AP to query DNS every 10 seconds for the configured NTP server when displaying the [System Maintenance] > [Time and Date] settings page
44. When Central AP Management was configured to Load Balance by Traffic, the client limit of an AP could not be disabled
45. Some schedule settings to enable/disable LEDs could cause the LEDs to display incorrectly
46. Incorrect RSSI values were sent to the Central AP Management router
47. [Wireless LAN 5GHz] > [Station List] could display incorrect Tx and Rx rates

Known Issues

(None)

Firmware Version	1.1.7.3
Release Date	7th October 2016
Applicable Models	VigorAP 902
Locale	UK ONLY

New Features

(None)

Improvement

1. ACS required two attempts to successfully write settings to AP immediately after AP reboot

Known Issues

(None)

Firmware Version	1.1.7.2
Release Date	2nd August 2016
Applicable Models	VigorAP 902
Locale	UK ONLY

New Features

1. Support for HTTPS CPE authentication with TR-069 (VigorACS)

Improvement

1. Improvements to Central AP Management authentication mechanism
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. When Registering with VigorACS, the AP's Device Name was not passed to VigorACS
4. When configuring SSID2 through VigorACS, this was not enabled correctly
5. When configuring a VLAN tag for an SSID through VigorACS, this was not displayed correctly on the VigorAP WUI

Known Issues

(None)

Firmware Version	1.1.7.1
Release Date	25th May 2016
Applicable Models	VigorAP 902
Locale	UK ONLY

New Features

1. Support for Dynamic Frequency Selection on 5GHz wireless interface, allows use of channels 52-64 and 100-140
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. [Wireless LAN] > [Station List] > [Neighbour] now shows Vendor names
4. [Central AP Management] > [Status of Settings] updated with RSSI Threshold
5. RTS Threshold and Fragment Length can be configured from [Wireless LAN] > [Advanced Setting]
6. Mobile Device Management added, to control connections to the AP from mobile devices, PCs / Laptops and unknown devices
7. 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
8. Schedule now supports Start Time and End Time to set duration instead of changes triggered by the next schedule entry
9. [Wireless LAN] > [Roaming] has new AP-assisted Client Roaming options to disassociate clients based on RSSI (recommended) or data rate
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. RTS Threshold and Fragment Length can be configured from [Wireless LAN] > [Advanced Setting]

Improvement

1. Session validation method improved in Web UI
2. When selecting 5GHz channels that require Dynamic Frequency Selection (DFS), the AP will show a warning message in the WUI, indicating when the AP will begin broadcasting on the selected frequency
3. When using VLAN tags on SSIDs, the access point was not passing these through correctly

Known Issues

(None)

Firmware Version	1.1.5.2 (First Release)
Release Date	18th May 2016
Applicable Models	VigorAP 902
Locale	UK ONLY

Known Issues

1. 5GHz Wireless Channels currently supported are 36 to 48
2. Dynamic Frequency Selection (support for channels 52-64 and 100-140) will be added in a later firmware release

First Firmware Release for this model

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