

Release Notes

PE15N

Version 3.4.19.4

November 2017

This document provides release notes for version 3.4.19.4 of the PE15N radio software for Windows 7 and Windows 8.1

Release notes are a summary of new and enhanced features, resolved issues, and known issues that are not resolved in this version. Consult the user's guide for details on the features of this software release.

- [Software Version 3.4.19.4](#)
- [Software Version 3.4.18.0](#)
- [Software Version 3.4.15.1](#)
- [Software Version 3.4.14.3](#)
- [Software Version 3.4.13.3](#)
- [Software Version 3.4.11.2](#)
- [Software Version 3.4.10.3](#)
- [Software Version 3.4.09.1](#)

SOFTWARE VERSION 3.4.19.4

Released November 2017

Package

This release package includes the following:

Component	Version
Windows Installer Package	03.04.19.04
NDIS 6 Device Driver	03.04.01.57
Laird Connection Manager	48.03.02.33
Laird 802.1x Supplicant	40.03.10.19
GINA	41.03.03.00
Laird Connection Service	03.05.00.05
Laird IHV DLL	03.04.01.12
SDK	03.05.02.02

New or Enhanced Features

None.

Resolved Issues

The following issues are resolved with the 3.4.19.4 release:

- **WPA KRACK vulnerability** –The WPA supplicant shipped with the PE15N is no longer vulnerable to Key Reinstallation Attacks. (12108)
- **LCM '*' not accepted for PSK** – LCM will now accept '*' as a valid PSK entry. (12257)
- **LCM WEP Key Masking** – When user creates a profile using the scan list, the WEP key will no longer be masked ('*') on entry. (10556)
- **LCM EAP Username deleted** – For profiles using PEAP-TLS/GTC/CHAP or EAP-FAST user will no longer be prompted for credentials when an existing profile is modified. (11435)
- **LCM Crash** – LCM will no longer crash due to memory corruption/misuse. (11529 (10576)
- **LCM Diagnostics shows incorrect country code** – When in world mode, LCM will no longer display stale country code if new country code is adopted while LCM's diagnostics dialog is displayed. (9417)
- **LCM Status shows connected with incorrect PSK** – When an incorrect PSK is used to connect to a network, the LCM status page will now show associated instead of connected. (9714)

Known Issues

The following are known issues with the 3.4.18.0 release:

- **Single Sign On** – The PE15N NDIS6 supplicant does not support SSO
- **Roaming issue with CCX features set to full** – The PE15N does not consistently roam when connected to a non-CKKM network on an autonomous AP infrastructure if the client global configuration has CCX features set to full. The workaround for this issue is to set CCX features to off or Optimized. (6615)
- **Antenna Diversity** – Setting TX or RX diversity to a single antenna does not disable diversity. (6384)
- **LRU CCK Rates** – LRU CCK rates do not follow TX Diversity setting and always transmit using two chains. (8322)

SOFTWARE VERSION 3.4.18.0

Released 27 April 2016

Package

This release package includes the following:

Component	Version
Windows Installer Package	03.04.18.00
NDIS 6 Device Driver	03.04.01.57

Laird Connection Manager	48.03.02.11
Laird 802.1x Supplicant	40.03.00.04
GINA	41.03.03.00
Laird Connection Service	03.05.00.05
Laird IHV DLL	03.04.01.12
SDK	03.05.02.02

New or Enhanced Features

LMU

This package includes support for the Laird Manufacturing Utility v46.3.1.6 and greater.

ETSI Regulatory Compliance

This package is compliant with the ETSI EN300 1.9.1 requirements.

FCC 594280 Compliance

This package is compliant with the FCC 594280 requirements **with assistance from OEM manufacturers**. OEMs shipping products within the FCC territorial domain **must perform additional steps during manufacturing** in order to comply with all FCC regulations. Please contact Laird support for further information.

Resolved Issues

The following issues are resolved with the 3.4.18.0 release:

- **FCC 594280 Requirements** – This release complies with the FCC 594280 requirements. (7717)
- **Improved roaming performance** – Resolved a firmware crash when roaming which resulted in a temporary loss of connectivity while firmware was recovered.
- **Driver Status reports Radio Disabled** - The state of the radio phy status will be properly reported in the driver's SDC_STATUS as CARDSTATE_DISABLED. (9259)
- **LRU TX Power Attenuation** – When running LRU, the driver will adjust the TX power levels to the value specified by the TX power attenuation setting instead of always using maximum transmit power. (8747)
- **LRU 40MHz TX test on 2.4 band** – On some Windows 8 devices, LRU will no longer perform the 2.4 band continuous transmit test using only a 20 MHz wide channel. (9236)

Known Issues

The following are known issues with the 3.4.18.0 release:

- **Single Sign On** – The PE15N NDIS6 supplicant does not support SSO
- **Roaming issue with CCX features set to full** – The PE15N does not consistently roam when connected to a non-CKM network on an autonomous AP infrastructure if the client global configuration has CCX features set to full. The workaround for this issue is to set CCX features to off or Optimized. (6615)
- **Antenna Diversity** – Setting TX or RX diversity to a single antenna does not disable diversity. (6384)
- **LRU CCK Rates** – LRU CCK rates do not follow TX Diversity setting and always transmit using two chains. (8322)

SOFTWARE VERSION 3.4.15.1

Released 09 December 2015

Package

This release package includes the following:

Component	Version
Windows Installer Package	03.04.15.01
NDIS 6 Device Driver	03.04.00.50
Laird Connection Manager	48.03.02.11
Laird 802.1x Supplicant	40.03.00.04
GINA	41.03.03.00
Laird Connection Service	03.05.00.05
Laird IHV DLL	03.04.01.12
SDK	03.05.02.02

New or Enhanced Features

No new features were added in this release.

Resolved Issues

The following issues are resolved with the 3.4.15.1 release:

- **Improved driver stability** – The driver will perform better under long term roaming stress tests and not cause BSOD under some rare recovery scenarios. (8559)
- **LRU OFDM Rates** – LRU will now check the TX Diversity setting for OFDM rates and transmit using the correct number of chains. (8321)
- **Corrected Association request power setting** – The association request's power capability IE will now contain the correct minimum and maximum transmit power capabilities. (8395)

Known Issues

The following are known issues with the 3.4.15.1 release:

- **Single Sign On** – The PE15N NDIS6 supplicant does not support SSO
- **Roaming issue with CCX features set to full** – The PE15N does not consistently roam when connected to a non-CKKM network on an autonomous AP infrastructure if the client global configuration has CCX features set to full. The workaround for this issue is to set CCX features to off or Optimized. (6615)
- **FCC 594280 Requirements** – This release does not include full support for the FCC 594280 requirements. (7717)
- **Antenna Diversity** – Setting TX or RX diversity to a single antenna does not disable diversity. (6384)
- **LRU CCK Rates** – LRU CCK rates do not follow TX Diversity setting and always transmit using two chains. (8322)

SOFTWARE VERSION 3.4.14.3

Released 05 October 2015

Package

This release package includes the following:

Component	Version
Windows Installer Package	03.04.14.03
NDIS 6 Device Driver	03.04.00.45
Laird Connection Manager	48.03.02.11
Laird 802.1x Supplicant	43.03.00.04
GINA	41.03.03.00

Laird Connection Service	03.05.00.05
Laird IHV DLL	03.04.01.12
SDK	03.05.02.02

New or Enhanced Features

The following new features were added in the 3.4.14.3 release:

LRU

- This package includes support for the Laird Regulatory Utility v47.3.2.8 and greater.

SHA256 Requirement

On 64 bit Windows 7 and 8 platforms, Microsoft requires that all kernel mode drivers to be signed in order for the operating system to load them. Up until now that signature could be generated using SHA1, however Microsoft is deprecating SHA1 support from their Windows platforms as of Jan 1, 2016. Therefore in preparation for that time, Laird has begun to sign all their Windows 7 and 8 binaries using SHA2.

Windows 7 does not support SHA2 out of the box and consequently on some Window 7 systems the Laird device driver may fail to load. Should this occur Windows will log the following error message in the Windows Event Log:

“The driver failed to start due to the following error: Windows cannot verify the digital signature for this file. A recent hardware or software change might have installed a file that is signed incorrectly or damaged, or that might be malicious software from an unknown source.”

Provided you obtained your install package from the Laird web site, this is not indicative of a problem with the Laird device driver but rather that the version of Windows 7 is out of date and needs to be updated to SP1 and KB3033929. Once those conditions are met the device driver should load without problems.

Further information may be found here:

- SHA1 Deprecation Policy: <http://blogs.technet.com/b/pki/archive/2013/11/12/sha1-deprecation-policy.aspx>
- Windows Enforcement Policy: <http://social.technet.microsoft.com/wiki/contents/articles/32288.windows-enforcement-of-authenticode-code-signing-and-timestamping.aspx>
- KB3033929 Info: <https://technet.microsoft.com/en-us/library/security/3033929>
- KB3033929 x86: <https://www.microsoft.com/en-us/download/details.aspx?id=46078>
- KB3033929 x64: <https://www.microsoft.com/en-us/download/details.aspx?id=46148>

Resolved Issues

The following issues are resolved with the 3.4.14.3 release:

- **LCM displays country code** – When the regulatory domain is configured for World Wide (WW), LCM will display the ISO 3166 Country Code on LCM’s diagnostic utility page. (7898)
- **LCM TX Power Configuration** – LCM’s TX power configuration setting allows user to select mW, rather than a percentage, value for the client’s TX power. (7924)
- **LCM TX Power display** – The TX power is displayed in mW, rather than a percentage on LCM’s diagnostic status page. (7924, 7928)

- **LCM displays AP information** – When adapter is configured in hosted AP mode, LCM will now display the relevant AP information correctly. (7684)
- **LCM WPA2 PSK-AES 64 character hex keys** – LCM will properly save 64 character hex passwords for use with WPA2 PSK-AES networks. (8238)
- **LCM empty WEP Key display** – LCM will properly display asterisks when a 26 character WEP key is set. (8328)
- **LCM user certificate fields** – LCM will now show accurate user certificate information when a user certificate is set in a configuration. (7204)
- **LCM CA certificate fields** – LCM will now show accurate certificate authority information when a CA certificate is set in a configuration. (5687)
- **LCM remembers SSID when initial commit fails** – When a profile is first created LCM will now remember the SSID when a commit failure occurs do to the omission of another configuration parameter. (7157)
- **LCM prevents WPA2 TKIP configurations** – When user configures a network using the scan list, LCM will now check that the setting is not WPA TKIP per the WFA 2015 standards. (8102)
- **SCU driver version** – SCU now displays the driver's version number correctly. (7166)
- **LCM adhoc channels** – LCM limits adhoc channels to channels set based on Regulatory Domain. (8090)
- **LCM administrator prompt** – LCM will not display asterisk when prompted for administrator password after selecting a network using the network scan list. (8122)
- **LRU support** – The driver now supports LRU versions 47.3.2.8 and greater. (8549)
- **Outdoor Mode channel set** – Fixed driver's outdoor mode implementation so U-NI channels are now reported as restricted channels. (7699)
- **TX Power Support** – Added support to allow user to set target TX power levels. (6621, 7972)
- **CCX Neighbor List** – When client's radio mode is set to A or B band only, the client will no longer switch/associate with APs in the other band when the CCX neighbor list contains APs in that band. (8030)
- **Added MAC check** – The driver will no longer load with other 3rd Party devices that use the same radio chipset. (8105)
- **Updated Regulatory Domain settings** – The channel set and TX power settings for KCC, FCC, ETSI, TELEC, and WW have been updated to correspond with updated regulatory requirements. (8118)
- **N Rates always enabled** – The driver will no longer enable N rates when radio mode does not include N rates in its definition. (6959)
- **SMU displays current regulatory domain** – SMU versions 3.5.0.3 or greater will now display the currently set regulatory domain, rather than defaulting to WW when first run. (6640)
- **802.1X EAP-TLS failures** – The Laird 802.1x supplicant added support for Windows CNG (crypto next generation) library which eliminates certificate failures caused by user certificates generated by newer authentication servers. (7417)
- **Short IHV Status messages** – The IHV will no longer send short status messages to the Laird 802.1x supplicant which could cause delays in processing of 802.1x packets. (7067)

Known Issues

The following are known issues with the 3.4.13.3 release:

- **Single Sign On** – The PE15N NDIS6 supplicant does not support SSO
- **Roaming issue with CCX features set to Full** – The PE15N does not consistently roam when connected to a non-CCKM network on an autonomous AP infrastructure if the client global configuration has CCX features set to Full. The workaround for this issue is to set CCX features to Off or Optimized. (6615)

- **FCC 594280 Requirements** – This release does not include full support for the FCC 594280 requirements. (7717)
- **Antenna Diversity** – Setting TX or RX diversity to a single antenna does not disable diversity. (6384)
- **LRU OFDM Rates** – LRU does not use TX Diversity setting for OFDM rates and only transmits using a single chain. (8321)
- **LRU CCK Rates** – LRU CCK rates do not follow TX Diversity setting and always transmit using two chains. (8322)

SOFTWARE VERSION 3.4.13.3

Released 17 March 2014

Package

This release package includes the following:

Component	Version
Windows Installer Package	3.04.13.003
NDIS 6 Device Driver	3.04.00.31
Laird Connection Manager	4.03.48.245
Laird 802.1x Supplicant	3.05.25.05
GINA	3.05.01.04
Laird Connection Service	3.05.00.05
Laird IHV DLL	3.04.01.11
SDK	3.05.00.20

New or Enhanced Features

The following new features were added in the 3.4.13.3 release:

Windows 8.1

- This package supports the Windows 8.1 Operating System.

Resolved Issues

The following issues are resolved with the 3.4.13.3 release:

- **LCM max power save setting is converted to fast power save** - The driver will now poll for all data packets when set for maximum power savings, rather than using fast power save. (5438)
- **WMM support** – When WMM is configured, the driver uses the MSDU's priority setting to tag data packets with an appropriate WMM priority (5768).
- **Sporadic 25 second transmission delays** – In certain instances the driver would fail to properly switch channels resulting in a 25 second delay in transmission of data packets. This will no longer happen with this release (6966) (7005).
- **CCKM Session Timeout Delays** – This release addresses multiple problems associated with the transition of data packets when CCKM roaming (6862) (6858) (6872).
- **CCKM EAPOL packets sent in the clear** – In certain instances the AP may send EAPOL packets in the clear even though the client and AP have established a PTK, causing the AP to eventually de-authenticate the client. This release addresses this problem by allowing the client to process CCKM EAPOL packets (only) sent in the clear even though encryption is in use (6882).
- **Driver incorrectly encrypts EAPOL-Key message 4** – During session timeout/re-keying the driver will no longer send EAPOL-Key message 4 using the previous PTK's IV but encrypted using the new PTK, when used with the CCKM and the Laird 802.1x supplicant (6884).
- **LCM incorrectly allows CCKM to be set** – LCM will no longer allow end users to enable/disable CCKM with configurations where use of CCKM is incorrect (6607),
- **Supplicant fails to respond to EAPOL packets** – The 802.1x supplicant will no longer fail to respond to EAPOL packets when the initial boot connection is made using a non 802.1x network (6998).
- **Windows 7 Embedded connection delays** – On boot or suspend/resume a *Windows 7 Embedded* client may delay making a connection for up to one minute (6900).

Known Issues

The following are known issues with the 3.4.13.3 release:

- **LCM Power Setting** – The LCM power setting has no effect on the TX power used by the client (6621)
- **Unable to disable N-Rates** – The client may continue to use N-Rates for non-N rate LCM radio modes (6959)
- **Single Sign On** – The PE15N NDIS6 supplicant does not support SSO
- **SRU is not supported** – The PE15N NDIS6 driver does not support SRU. To work around, contact Laird support for a command line utility for use in regulatory testing.(5849)
- **Roaming issue with CCX features set to Full** – The PE15N does not consistently roam when connected to a non-CCKM network on an autonomous AP infrastructure if the client global configuration has CCX features set to Full. The workaround for this issue is to set CCX features to Off or Optimized. (6615)
- **SMU displays incorrect Regulatory Domain value** - The SMU card settings do not correctly reflect the current regulatory domain configuration from the registry, but instead always displays Worldwide. It is

possible for the user to inadvertently overwrite the desired regulatory domain setting when committing changes in SMU if the desired regulatory domain is something other than Worldwide. The workaround is to always set the regulatory domain value in SMU to the desired setting before committing any changes. (6640)

SOFTWARE VERSION 3.4.11.2

Released 24 November 2014

Package

This release package includes the following:

Component	Version
Windows Installer Package	3.04.11.002
NDIS 6 Device Driver	3.04.00.25
Laird Connection Manager	4.03.48.236
Laird 802.1x Supplicant	3.05.23.02
GINA	3.05.00.03
Laird Connection Service	3.05.00.05
Laird IHV DLL	3.04.01.08
SDK	3.05.00.18

Resolved Issues

The following issues are resolved with the 3.4.11.2 release:

- **Install upgrades fail to preserve profile settings** – When upgrading to a newer version of the software, the PE15N installer will now preserve profiles across future upgrades. (6538)
- **Outdoor Mode beacon detection** – When outdoor mode is enabled, the driver will now wait to see a beacon on a UNII 1 channel in all scenarios before actively scanning on those channels. (6098)
- **Summit Manufacturing Utility (SMU) antenna adjust setting does not work** – The driver now has support for the Laird Global Configuration antenna adjust setting. (6383)
- **Radio may still connect to 5GHz channels when B/G/N radio mode selected** – The driver will now adhere to the radio band selected in the driver's 'Advanced Tab' window and the radio type(s) defined in the Native Wi-Fi profile's <phyType> element, thus allowing native profiles to select a subset of the radios to use. (6471)
- **LCM radio mode drop down display** – The LCM will display the correct radio mode rather than 'GN Rates only'. (6265)
- **Signal Quality** – LCM now shows Signal Quality in addition to Signal Strength. (6140)
- **Adhoc cell creation** - This release fixes an issue where the adapter would create an adhoc cell on an invalid channel for the current regulatory domain or configuration settings. (6440)
- **2.4 GHz channel subset support** – This release adds support for limiting the driver's 2.4 GHz channel set to a subset of the available 2.4 GHz channels. (6464)
- **5 GHz channel subset support** – This release adds support for limiting the driver's 5 GHz channel set to a subset of the available 5 GHz channels. (6465)

- **Outdoor Channel Mask** – This release include support for disabling the entire 5GHz channel set regardless of regulatory domain or radio mode configured. (6466)
- **LCM and Window's "Network and Sharing Center" hang** – LCM and the Window's "Network and Sharing Center" will no longer occasionally appear hung for one minute.(6467)
- **Support for LCM Global Configuration settings** – If found, the driver will use the LCM Global Configuration Setttings with Windows Native Connections by 'layering' these settings on top of the Driver Advanced Tab settings.(6469)
- **Summit Manufacturing Utility (SMU) commit error** – The SMU utility will no longer display an error when settings are committed to the PE15N device. (6521)
- **802.11D is used when world mode regulatory domain set** – When the world mode regulatory domain is set, the driver will now adopt the country code broadcast in the 802.11D IE. (6095)

Known Issues

The following are known issues with the 3.4.11.2 release:

- **LCM max power save setting is converted to fast power save** - The LCM max power save setting is converted to use fast power save. (5438)
- **Single Sign On** – The PE15N NDIS6 supplicant does not support SSO
- **SRU is not supported** – The PE15N NDIS6 driver does not support SRU. To work around, contact Laird support for a command line utility for use in regulatory testing.(5849)
- **WMM support** – When WMM is configured, data packets are not correctly tagged. (5768)
- **Roaming issue with CCX features set to Full** – The PE15N does not consistently roam when connected to a non-CKKM network on an autonomous AP infrastructure if the client global configuration has CCX features set to Full. The workaround for this issue is to set CCX features to Off or Optimized. (6615)
- **SMU displays incorrect Regulatory Domain value** - The SMU Card Settings do not correctly reflect the current regulatory domain configuration from the registry, but instead always displays Worldwide. It is possible for the user to inadvertently overwrite the desired regulatory domain setting when committing changes in SMU if the desired regulatory domain is something other than Worldwide. The workaround is to always set the regulatory domain value in SMU to the desired setting before committing any changes. (6640)

SOFTWARE VERSION 3.4.10.3

Released 10 October 2014

Package

This release package includes the following:

Component	Version
PE15N NDIS6 Device Driver	3.4.0.18
Laird Connection Manager	4.03.48.236
Laird 802.1x Supplicant	3.05.23.02

Resolved Issues

The following issues are resolved with the 3.4.10.3 release:

- **Uninstall does not remove all files** – When the PE15N software was uninstalled, some files and directories would be left behind. This is no longer an issue. (5110)
- **DFS Channels are always enabled** – Prior to this release, when using a regulatory domain which supports DFS channels, the driver would connect on these channels regardless of the LCM profile setting. (4901)
- **LCM power save setting is ignored** - The LCM power save setting was previously not used by the driver. With this release, this issue has been resolved. (5438)
- **New profiles default to ABG radio mode** - When using LCM to create a new profile, the default radio mode would be set to ABG, rather than ABGN. This is no longer an issue. (5709)
- **World Mode Regulatory Domain disables N Rates** – When the regulatory domain is set to world mode, 802.11N rates would be disabled. This issue was fixed with the recent release. (5464)
- **World Mode disabled UNI3 channels** – Prior to this release, when the regulatory domain is set to world mode, the UNI3 channels would be disabled. This issue has been resolved. (5175)
- **The driver does not always adhere to Radio Mode setting** – Previously, the drive would not adhere to the radio mode setting and would associate with an AP using an incorrect data rate or band. This issue has been resolved. (4903)
- **Clean install may default to 3rd Party Mode** – On a clean install, the Laird Wi-Fi software would default to 3rd party mode until the first time LCM was run with administrative privileges. Upon running LCM as an administrator, LCM would create a default profile causing the Laird Wi-Fi software to switch to using the LCM's default profile. This issue no longer exists. (5807)
- **Radio Mode AN is not an option in LCM** – LCM is no longer missing radio mode option AN which allows configurations to be limited to the 5GHz band. (6069)

Known Issues

The following are known issues with the 3.4.10.3 release:

- **LCM max power save setting is converted to fast power save** - The LCM max power save setting is converted to use fast power save. (5438)
- **Upgrades do not preserve profiles** - Profile settings are not preserved when installing a newer version of software overtop of an existing version. (5110)
- **802.11D is not used when world mode regulatory domain set** – When the world mode regulatory domain is set, the driver will not adopt the country code broadcast in the 802.11D IE. (6095)
- **WMM support** – When WMM is configured, data packets are not correctly tagged. (5768)
- **SRU is not supported** – The PE15N NDIS6 driver does not support SRU. (5849)
- **Outdoor Mode beacon detects does not work** – When outdoor mode is enabled, the driver does not wait to see a beacon on a UNII 1 channel before actively scanning on those channels. (6098)
- **Single Sign On** – The PE15N NDIS6 supplicant does not support SSO

SOFTWARE VERSION 3.4.9.1

Released 30 July 2014

Package

This release package includes the following:

Component	Version
PE15N NDIS6 Device Driver	3.4.0.14
Laird Connection Manager	4.3.41.206
Laird 802.1x Supplicant	3.5.21.3

New Features

The following are the primary features of the 3.4.9.1 build.

Microsoft Windows 7 NDIS 6

- Support for 32 bit and 64 bit operating systems
- Single install package

Laird Wi-Fi Software Support

- Laird Connection Manager
- Laird 802.1x Supplicant
- Laird SDK

WFA Certification

- WFA 2014 Compliant

Known Issues

The following are known issues with the 3.4.9.1 release:

- **Uninstall does not remove all files** - When uninstalled some files and directories are left behind. (5510)
- **DFS Channels are always enabled** - When using a regulatory domain which supports DFS channels, the driver will scan and connect on these channels regardless of the LCM profile setting. (4901)
- **LCM power save setting is ignored** - The LCM power save setting is not used by the driver. A work around is to use the Windows Control Panel >Power Options >Wireless Adapter Settings >Power Saving Mode to configure an appropriate power savings mode. (5438)
- **New profiles default to ABG radio mode** - When using LCM to create a new profile, the radio mode is set to ABG, rather than ABGN. (5709)
- **World Mode Regulatory Domain disables N Rates** – When the regulatory domain is set to world mode, 802.11N rates are disabled. A work around is to configure a regulatory domain other than world mode. (5464)
- **World Mode disabled UNII-3 channels** – When the regulatory domain is set to world mode, the UNII-3 channels are disabled. A work around is to configure a regulatory domain other than world mode. (5175)
- **WMM support** – When WMM is configured, data packets are not correctly tagged. (5768)

- **The driver does not always adhere to Radio Mode setting** - At times the drive does not adhere to the radio mode setting and consequently may associate with an AP using an incorrect data rate or band. A work around is to disable/enable the device driver after any change to the radio mode setting. (4903)
- **Clean install may default to 3rd Party Mode** – On a clean install the Laird Wi-Fi software will default to 3rd party mode, until the first time LCM is run with administrative privileges. Upon running LCM as an administrator LCM will create a default profile causing the Laird Wi-Fi software to switch to using the LCM's default profile. (5807)
- **SRU is not supported** – The PE15N NDSI6 driver does not support SRU. (5849)
- **Single Sign On** – The PE15N NDIS6 supplicant does not support SSO.