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| laird_technologies_logo_higher_res | | Software Release Notes - msd45 | | |
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|  |  | Author : | Andrew Dobbing | |
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**Software Release Notes - msd45**

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**Change History**

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| --- | --- | --- | --- |
| Issue | Change | Author | Date |
| 001 | 20130309v1 | Dimitrios Siganos | 09 Mar 2013 |
| 002 | alpha.0.2 | Dimitrios Siganos | 11 Apr 2013 |

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# Software Version 20130309v1

## Package

The release package consists of

* Zip file containing the tar balls and patches required to build all the image for the WB45
* Header files required to use the SDK (future releases will change the way these files are released)
* 2 example sdc\_cli scripts
  + eap-tls.cfg
  + peap-mschapv2.cfg

## Features

The SDK functions supported by this release are

* GetConfig()
* GetPSK()
* SetPSK()
* SetEAPTLSCred()
* GetEAPTLSCred()
* SetEAPTTLSCred()
* GetEAPTTLSCred()
* GetPEAPTLSCred()
* SetPEAPMSCHAPCred()
* GetPEAPMSCHAPCred()
* SetPEAPGTCCred()
* GetPEAPGTCCred()
* SetUserCertPassword()
* GetBSSIDList()
* GetDHCPInfo()
* GetSDKVersion()

## Known Issues

These are the known issues with the currently operational SDK functions

* GetBSSIDList() is only partly working. The following attributes are returned correctly
  + ssid
  + bssid
  + freq
* GetDHCPInfo() to work
  + ln -s /var/lib/dhcp/dhclient.leases /var/lib/dhcp/dhclient.wlan0.leases
* Certificates must be placed in /etc/ssl and referenced relative to /etc/ssl. E.g. a certficate in /etc/ssl/certs/ca.pem is referenced as "certs/ca.pem". Setting a different certpath (e.g. sdc\_cli global set certpath <path>) does not work yet.
  + PEM certificates are supported in all occasions.
  + DER format is also accepted for a CA cert.
  + PKCS12 is also accepted for client side certs.

# Software Version alpha.0.2

## Supplicant

* Work-around radio firmware issue for band restricted profiles
* FB1969: PEAP to no longer use anonymous identity by default

## CLI

* nmode is now part of profiles instead of global.
* fixed MAC address display when first byte was zero added more RADIOMODEs

## SDK

* Removed one second delays at startup and shutdown.
* Replaced internal calls to RadioEnable/Disable with RadioUo/Down.
* Added support for more country codes: CA, FR, GB, AU, NZ REG\_FCC is mapped to TT
* Fixed bug in SetUserCertPassword
* Removed GetDHCPInfo(), DHCP event and related code.
* Inform supplicant od RadioDisable request
* nmode is now part of profiles instead of global
* Implemented most of the functionality of GetCurrentStatus on WB45n
* Added a few more RADIOMODEs
* Added event handling on WB45n - 3 events supported: connect, roam, disconnect
* Changed default RADIOMODE to ABGN
* Added function LRD\_InjectEvent
* Known Issues:
* GetBSSIDList() is only partly working. The following attributes are returned correctly ssid bssid freq
* Certificates must be placed in /etc/ssl and referenced relative to /etc/ssl.
* E.g. a certficate in /etc/ssl/certs/ca.pem is referenced as "certs/ca.pem".
* Setting a different certpath (e.g. sdc\_cli global set certpath <path>) does not work yet.
* The SDK doesn't yet support finer WiFi adjustments such as channel selection, power setting, band setting, powersave, etc. These are currently running on default values
* RSSI field should supply current signal quality in dBm. The current implementation is dBm\*100. The use should device the RSSI value in by 100 to obtain the correct signal quality reading in dBm.