Release Notes

Sterling-EWB

Version 1.0.0.8

This document provides release notes for the following Sterling-EWB radio module software packages:

- laird-ewb-at-fcc-full-1.0.0.8
- laird-ewb-at-fcc-upgrade-1.0.0.8
- laird-ewb-at-eu-full-1.0.0.8
- laird-ewb-at-eu-upgrade-1.0.0.8
- laird-ewb-at-jp-full-1.0.0.8
- laird-ewb-at-jp-upgrade-1.0.0.8

Release notes are a summary of new and enhanced features, resolved issues, and known issues that are not resolved in this version.

SOFTWARE VERSION 1.0.0.8

Released April 2021

Dependencies

- WICED Version: Wiced_006.004.000.0061
- WLAN Driver Version: 7.45.98.83

New or Enhanced Features

- None

Resolved Issues

- 18579 – The user can lose communication with the device by specifying an illegal baud rate.
    - The AT+UART_CUR and AT+UART_DEF commands perform no sanity checks on the specified baud rate
    - If a value that is too low (0) or too high (1 million) is specified, the user may be unable to communicate further with the device.
    - A power cycle reverts the board from AT+UART_CUR's setting to the current AT+UART_DEF setting. If that value is illegal, hen a reflash of the board is required to recover it.

- 18580 – AT+CWLAP does not filter correctly according to the documentation.
    - AT+CWLAP alone lists all available WLANs within range
    - AT+CWLAP=*SOME_SSID* lists all available BSSIDs advertising the specified *SOME_SSID*
    - AT+CWLAP=*SOME_SSID*, *SOME_BSSID* results in no WLANs being returned, even if a valid SSID and BSSID are specified.

- 18581 – AT+CWJAP issues an error if a BSSID is specified.
    - If a BSSID is specified when attempting to join a WLAN, the attempt fails with an error code 12.
    - Attempting to join the same WLAN without specifying the BSSID should work fine.

- 18586 – AT+CIPDNS does not take effect until after a restart.
    - In a pure static IP assignment scenario, after configuring the DNS server via AT+CIPDNS, the module must be restarted via AT+RESET before DNS queries are performed.

Known Issues

- 17680 – Enterprise WLAN (WPA/WPA2-EAP) is not supported.
- 18582 – MCU does not go to sleep if already associated when the command is issued.
  - If AT+PWRSAVE is used to specify that the MCU should enable power saving mode, the MCU does not go to sleep when the EWB50 is already associated.
  - If the command is issued while the EWB50 is NOT associated, the MCU immediately goes to sleep.
- 18816 – EWB AT command set does not seem to use hardware handshaking when sending
  - The EWB will transmit on the UART even when its CTS line is de-asserted.

SOFTWARE VERSION 1.0.0.7

Released March 2021

Dependencies

- WICED Version: Wiced_006.004.000.0061
- WLAN Driver Version: 7.45.98.83

New or Enhanced Features

- Initial AT Command Set firmware release.

Resolved Issues

- N/A

Known Issues

- 17680 – Enterprise WLAN (WPA/WPA2-EAP) is not supported.
- 18579 – The user can lose communication with the device by specifying an illegal baud rate.
  - The AT+UART_CUR and AT+UART_DEF commands perform no sanity checks on the specified baud rate
  - If a value that is too low (0) or too high (1 million) is specified, the user may be unable to communicate further with the device.
  - A power cycle reverts the board from AT+UART_CUR's setting to the current AT+UART_DEF setting. If that value is illegal, hen a reflash of the board is required to recover it.
- 18580 – AT+CWLAP does not filter correctly according to the documentation.
  - AT+CWLAP alone lists all available WLANs within range
  - AT+CWLAP=*SOME_SSID* lists all available BSSIDs advertising the specified *SOME_SSID*
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- 18581 – AT+CWJAP issues an error if a BSSID is specified.
  - If a BSSID is specified when attempting to join a WLAN, the attempt fails with an error code 12.
  - Attempting to join the same WLAN without specifying the BSSID should work fine.
- 18582 – MCU does not go to sleep if already associated when the command is issued.
  - If AT+PWRSAVE is used to specify that the MCU should enable power saving mode, the MCU does not go to sleep when the EWB50 is already associated.
  - If the command is issued while the EWB50 is NOT associated, the MCU immediately goes to sleep.
- 18586 – AT+CIPDNS does not take effect until after a restart.
  - In a pure static IP assignment scenario, after configuring the DNS server via AT+CIPDNS, the module must be restarted via AT+RESET before DNS queries are performed.