CS710S Firmware and Demo App Software Release Notes

2024 September 05

Firmware Release Notes:

1. Atmel IC Firmware

2. Bluetooth IC Firmware

3. RFID Firmware

Demo App Software Github Site Links (Release Notes and Source Codes for Download)

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Atmel IC Firmware

There are 2 firmware release history tracks, one is compatible with Impinj RFID Firmware V1.2, one is compatible with Impinj RFID Firmware V2.0.

1) Impinj RFID Firmware V2.0 compatible:

Atmel Image App Compatible with RFID Firmware V2.0 Release Notes		
Release version	**Changes**	**Date**
2.0.8	● Modify the Taiwan frequency to new NCC regulation	2024-08-20
2.0.7	● Modify the MultibankReadConfig register.	2024-06-13
2.0.6	● Fix CW frequency channel incorrect	2024-04-26
2.0.5	● Fix hopping frequency channel incorrect	2024-04-25
2.0.4	● Change Tx On time to 1000ms for ETSI lower and upper band.	2024-04-17
2.0.3	● Multibank inventory will return epc even if read failed	2024-04-15
2.0.1	● Fix no access reply when kill command succeeds	2023-10-19
2.0.0	● **Initial Release** ● **Compatible with the Impinj RFID Firmware 2.0 framework** ● **From this version and higher, Can only work with RFID Firmware 2.0 or after, NOT compatible with RFID Firmware 1.2**	**2023-09-04**

2) Impinj RFID Firmware V1.2 compatible:

Atmel Image App Compatible with RFID Firmware V1.2 Release Notes		
Release version	**Changes**	**Date**
0.2.20	• Change Tx On time to 1000ms for ETSI lower and upper band. • Multibank inventory will return epc even if read failed • Fix no access reply when kill command succeeds	2024-04-26
0.2.19	• Multibank inventory will return epc even if read failed	2023-07-31
0.2.18	• Add access inventory commands 0x1A07 and 0x1A08. (Protected mode inventory)	2023-07-03
0.2.17	• Fix no access reply when kill command succeeds	2023-05-31
0.2.16	• Add 16 antenna ports support	2023-05-30
0.2.15	• Fix multiple bank inventory wrong return data	2023-05-08
0.2.14	• Add RSSI filter for multi-bank inventory	2023-05-03
0.2.13	• Add ETSI burst test.	2023-04-28
0.2.12	• Modify country Philippines frequency band.	2023-02-23
0.2.11	• Modify country India frequency band.	2023-02-20
0.2.10	• Add country enum 160 (Vietnam3).	2023-02-16
0.2.9	• Fix country -7 frequency.	2023-01-27
0.2.8	• Fix vibrator off bug.	2022-12-23
0.2.7	• Fix fastid in compact mode.	2022-11-04
0.2.6	• Fix CW ON test hang	2022-10-28
0.2.5	• Add register 0x3946 ReversePowerADC.	2022-10-26
0.2.4	• Add Authenticate command support.	2022-10-13
0.2.3	• Fix RX gain default values.	2022-09-21
0.2.2	• Fix trigger button initial state.	2022-09-13
0.2.1	• Fix multibank inventory hang.	2022-06-17
0.2.0	• Support E710 1.02 firmware. Initial Release	2022-06-16

Atmel Bootloader Release Notes		
Release version	Changes	Date
0.1.2	● Initial version	2022-02-28

Bluetooth IC Firmware:

For Texas Instruments CC2652**R7** or CC2652**R74** Bluetooth IC (9th character of product serial number must be "B")		
Release version	Changes	Date
1.0.8	● Fix BT button off function does not fully stop BT	2024-09-05
1.0.7	● Add 2442MHz for BT test.	2024-06-11
1.0.6	● Fix inventory auto stop	2023-07-07
1.0.5	● Fix device name problem in C# android.	2023-06-30
1.0.4	● Add BLE PER Test support.	2023-06-29
1.0.3	● Fix iOS device name problem	2023-06-06
1.0.2	● Initial version	2022-09-05

For CC2652R7 or R74, Initial Programming HEX Release Notes		
Release version	Changes	Date
1.0.2	● Initial version	2022-10-03

RFID Firmware (from Impinj)

RFID Application: E710 RFID Firmware (from Impinj) Release Notes		
Release version	**Changes**	**Date**
2.0	● **New RFID Firmware from Impinj, can only work with Atmel firmware V2.x.x; NOT compatible with Atmel firmware V0.x.x**	**2023-09-04**
1.2	● Miscellaneous	2022-06-11
1.1	● Miscellaneous	2021-12-02
1.0	● Initial version	2021-09-17

GitHub Site for CSL Demo Apps

Please go to the following GitHub site for demo app release notes and their corresponding source codes download:

[Convergence Systems Limited · GitHub](#)