

Delta EV Charger Software Release Note

General Information

Compatible Model	AC MINIPLUS
Compatible Model Name	EVPE-, EVPT-
Customized Software Revision	v02.0C.16.00
Software File Name	ACMP_v02_0C_16_00_USBFile.zip(including DcoFImage/DcoKImage/DcoFImage.sign.sha256)
Date of Release	2024/07/18

Improvement and bug fixed:

Revision	Change List
02.0C.0C.00	1. Optimize libwebsocket's awaiting timeout for SSL connection timeout. Modify AWAITING_TIMEOUT to 200. (Origin : 20)
02.0C.0D.00	<div>1. DNIW-1571 ACMP Status LED flashing using Ethernet whe connected to BE</div> <div>2. DNIW-1495 Add auto restart for SP US Embassy lost comm issue</div> <div>3. DNIW-1598 the energy of cloud meter is 90% of actual enery</div> <div>4. DNIW-1448 EVPT3215MWE offline RFID can not work</div> <div>5. DNIW-1432 ACMP bypass 4G module ALARM when there is NO APN setting</div> <div>6. DNIW-1439 Support OCPP server set HTTP basic Auth to Charger.</div> <div>7. DNIW-1431 ACMP Cold Pickup maybe blocked by Delta Card</div> <div>8. DNIW-1397 OCPP certified cards do not have cache</div> <div>9. DNIW-1396 After remote charging is frequently operated,start remote charge take a long time and could not remote stop charge</div> <div>10. DNIW-1469 OCPP1.6 encode64 function cause basic authentication failed</div> <div>11. DNIW-1447 Factory reset should remove OCPP msg Queue file /Storage/OCPP16J/TxnMsgQueue</div> <div>12. DNIW-1434 ACMP CPU Usage optimize</div> <div>13. Upgrade opensource library libwebsockets to v2.4.1.</div>
02.0C.0F.00	1. DNIW-1737 [ACMP] OCP recover time close to fail so need add delay.
02.0C.10.00	1. [OCPP] add setting Cellular disconnection auto reboot mechanism by USB EVSEConfig.

	<ol style="list-style-type: none"> DNIW-1771 [ACMP] add log for Charging Voltage,Current,CurrentLimit Change Reason, OCPP SetChargingProfile. DNIW-1744 ACMP need add support for OCPP configure MAX Current <pre>{ "key": "DipSwitchMaxCurrentAssignment", "value": "80", "readonly": true } { "key": "CurrentMaxAssignment", "value": "80", "readonly": false }</pre> DNIW-1722 Optimize OCPP16J to avoid dead loop. DNIW-1784 [ACMP] Factory Reset must set OCPP Configuration to default. <p>[Know issue]: DNIW-1788 After Factory Reset , Do USB FW Upgrade and EVSEConfig set OCPP HTTPBasicAuth at the same time will cause Charge Fail.</p>
02.OC.12.00	<ol style="list-style-type: none"> (fix): Fix ATS it can not get 4G Model name when it not insert the SIM Card. [DNIW-1877] [ACMP] ATS bypassRFID Fail.
02.OC.18.00	<ol style="list-style-type: none"> Support Signed Firmware. (If need to downgrade to old version, you need to special intermedia version) (fix): [DNIW-1805] OCPP16J CPU loading high when cannot connect to backend server. Pass All OCTT cases. (fix): [DNIW-1852] [WiFi] ACMP will lose DNS if use both ethernet and wifi connection when wifi connection is invalid [DNIW-1833] [OCPP] implementation of Preset functionality (optimize): For reduce FW size strip wpa_supplicant and libwebsockets.so (fix): [DNIW-2023][ACMP] SmartCharge OKW can not work. Support the Eth/WiFi DNS Setting When use Static IP. [DNIW-1989] [ACMP] OCPP transactionId wrong.

1 Revision History

Revision	Changes	Author	Date
02.0C.0C.00	Offical Release	ALVIN.CY.WANG	2023/08/18
02.0C.0D.00	Offical Release	Kinnon.Lin	2023/10/26
02.0C.0F.00	Offical Release	Kinnon.Lin	2023/12/18
02.0C.10.00	Offical Release	Kinnon.Lin	2024/01/12
02.0C.12.00	Offical Release	Kinnon.Lin	2024/03/28
02.0C.16.00	Offical Release	Kinnon.Lin	2024/07/18

2 Test Environment

- HW version: S00(R0C0)
- SW version :
 - MPU: 02.0C.16.00
 - MCU: 02.03.00.00
- Tools:
 1. Tera Term

3 Regression Test Report

EVCS - WallBox ACMP: v02.0C.16.00 Regression Test Report, version 1.0

Hardware Version: WallBox ACMP

MPU Version: 02.0C.16.00

MCU Version:02.03.00.00

Date: 2024.07.18

Testing Case	Test Result (Pass/Fail)
1.Operating with OCPP Central System	
Verify that operate OCPP central system parameter can work	PASS
Charge Box ID	PASS
Server URL	PASS
Online Policy	PASS
Offline Policy-Accept local list only	PASS
Offline Policy-Delta Card	PASS
Verify that operating with OCPP Central System via Ethernet	PASS
Verify that operating with OCPP Central System via Wifi	NT
Verify that operating with OCPP Central System via Cellular	PASS
2. Maintenance - Firmware Upgrade	
Verify that EVCS can perform firmware upgrade by USB	PASS
Verify that EVCS can perform firmware upgrade by OCPP	PASS
3. Maintenance - Log Download	
Verify that EVCS can download compressed log file and extract with password SN+@delta	PASS
4. Maintenance - Factory Reset	
Verify that EVCS can restore passwords to default values and clear all charging profile	PASS
5. OCPP16J test	
Verify OCPP16J remote configure	PASS