

February 15, 2022

Revision History

Item No.	Release Date (mm/dd/yy)	Device	Country	Comm. Protocol
BB-CR1182	02/14/22	BB300	Costa Rica	CCNET
<ol style="list-style-type: none"> Processing of new polymer 1000 CRC (Series C, 2019) and new polymer 10000 CRC (Series B, 2019), both issued in 2021, has been introduced. Processing of old paper 20000 CRC (Series A) has been disabled. Processing of denomination 50000 CRC has been disabled. Acceptance rate for polymer 2000, 5000 and 20000 CRC, issued in 2020, has been improved. DIP Switches settings have been modified (refer to User's Guide for details): <ul style="list-style-type: none"> DIP Switch 1.6 is set to "Reserved" to exclude prohibited 50000 CRC (previously was set to enable/disable 50000 CRC). DIP Switch 1.7 is set to enable/disable old paper 2000 CRC (Series A) and 5000 CRC (Series A, B) that will be out of circulation from May 1 of 2022 and March 01 of 2022 accordingly (previously sw.1.7 was set to "Reserved"). Bill Table has been changed to exclude 50000 CRC (refer to User's Guide for details): <ul style="list-style-type: none"> Bill type "5" is set to "not used" (in previous version Bill Type "5" was set to "50000 CRC"). Supported Denomination Set has been updated – for details refer to the document "SDS-CRC5-R1". <p>Limitations:</p> <ol style="list-style-type: none"> Jam/Power recovery is limited because of transparent windows on the banknotes. Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA"). 				
BB-CR1181	07/05/21	BB300	Costa Rica	CCNET
<ol style="list-style-type: none"> Processing of new 2000, 5000 and 20000 CRC (Series 2018, issued in 2020) has been introduced. Acceptance rate for 1000 CRC (2009) has been improved based on the latest samples of street grade banknotes, received from customer. Overall acceptance rate has been improved. EMPTY DISPENSER" command has been enabled in 0xCA failure state. Implemented CCNET command applicability after bills retraction. Implemented automatic restoring of the recycling cassette capacity limit after restart (reset command, power interruption, etc.). Implemented workaround for potential recoverable bezel indication problem in idling state. "Anti-fishing" feature has been improved. <p>Limitations:</p> <ol style="list-style-type: none"> Jam/Power recovery is limited because of transparent windows on the banknotes. Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA"). 				

February 15, 2022

<u>BB-CR1180</u>	08/18/15	BB300	Costa Rica	CCNET
<ol style="list-style-type: none"> 1. Acceptance of 50, 100, 500, 1000, 2000, 5000 and 10000 CRC, issued before 2009, has been prohibited. 2. Overall acceptance rate has been improved. 3. Added jam recovery functions (in acceptance, unloading and dispensing). 4. Greeting message was changed to "SUZOHAPP". 5. Bill length transfer into chassis was implemented. 6. DISPENSED message added in case of Dispenser failure during Dispensing operation. 7. CCNET_READ_MODULES_ID command enabled for Idling mode. 8. Credit message added when reset on accepting. 9. Fixed issues with "BOX REMOVED" reporting. 10. Enabled self-test for magnetic sensors. 11. Chassis update using memory card is fixed. 12. Infinite initialization cycle is fixed. Root cause found and resolved by putting a boundary check to prevent memory corruption during scanning. 13. Maintenance mode (cleaning card) support added. 14. Fixed missing response "No Power Interruptions detected" to "Power recovery" command after unloading and dispensing. 15. Fixed missing message about unloaded bills before BOX FULL message. <p>Limitations:</p> <ol style="list-style-type: none"> 1. Jam/Power recovery is limited because of transparent windows on the banknotes. 				

<u>BB-CR1171</u>	12/13/12	BB300	Costa Rica	CCNET
<ol style="list-style-type: none"> 1. Processing of new 5000, 10000 and 50000 CRC issued in 2012 has been introduced. 				

<u>BB-CR1170</u>	07/31/12	BB300	Costa Rica	CCNET
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First release.

Distinctive features are:

1. Barcode recognition.
2. Chassis soft download via CCNET to prevent rejection of single bills.
3. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.
4. Processing of the following options has been implemented:
 - 'LED BV INHIBIT' -> 0 - LED is red in BV_INHIBIT state; 1 - LED is turned off
 - 'KEEP BILL' -> 0 - bill will be dropped after returning; 1 - bill will be held
 - 'LOOK TAPE' -> enhanced processing of pass sensor (0 - OFF, 1 - ON)
 - 'TURN SWITCH' -> switch turning after bill packing (0 - OFF, 1 - ON)
5. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
6. Control of thermo heater in metal dispenser has been added.
7. Enhance the algorithm of BB self-testing: if cassette(s) is(are) removed, software has to skip the algorithm of "device recovery after POWER DOWN" and turn to the regular self-testing.
8. Set higher priority to the indication of "BOX REMOVED" state.
9. Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING, DISABLED, ESCROW states (according to "CashCode NET" description).
10. Power recovery not supported.

February 15, 2022

11. Non-volatile counters for counting all dispensed or unloaded bills have been added.
12. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS" have been included to CCNET.
13. Errors related to setting date/time from B2B keypad in Service mode have been fixed.
14. The following error has been fixed: if remove a cassette from the chassis BB keeps trying to pack bills to that cassette.
15. "GET STATUS" command is enable only in IDLING and DISABLED states according to CCNET specification.
16. Error with displaying of "Not Assigned" state for recycling cassettes in Service mode has been fixed.
17. Fix for unload in case when some bills were manually removed from the cassette has been brought in.
18. Switching to download mode has been prohibited in the following error states:
ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and
ERROR_OPT_SENS_HV (all failures of Sense-a-Click).
19. Software RESET has been prohibited in the following states: ERROR_LINK_SENS_HV,
ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV (all failures of Sense-a-Click).
20. Command "READ BB-DEVICES SERIAL NUMBER" has been added to CCNET.
21. BB turns to IDLING through chassis re-initialization after the following sequence: drop box removal, chassis removal, then chassis replacement and drop box replacement.
22. The improved algorithm of drop box initialization has been implemented in order to make sure that B2B is always able to determine if drop box is completely attached.
23. Country code has been replaced with currency code in all internal tables.
24. Barcode is prohibited to be stacked to the recycling cassette.
25. BB suspends dispensing and reports BOX REMOVED if drop box was removed over dispensing; B2B will resume dispensing after drop box replacement.
26. Diagnostic has been introduced.
27. Point of reporting "Waiting for bills to be removed" (0x1D 0x01) state during dispensing has been changed from the moment when BB starts moving the last bill to be dispensed from recycling cassette to dispenser to the moment when the last bill to be dispensed enters the dispenser.
28. FEED LEVEL capability has been introduced.
29. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.
30. BB statistics in new format has been introduced.
31. Processing of EMPTY DISPENSER command has been modified to prevent false credit report in non-applicable states.
32. During packing BB tries to reject a bill rather than reports one of the following errors:
A8, B5, C2 or E5. This modification allows to prevent jams inside BB switch.