

Revision History

Item No.	Release Date	Device	Country	Comm. Protocol
Commentary				
<u>BB-SGMY1181</u>	01/19/21	BB300	Singapore + Malaysia	CCNET
<ol style="list-style-type: none"> 1. Acceptance rate for 2 SGD (series 2006) and 10 SGD (series 2004) has been improved based on the latest samples of the street grade banknotes. 2. Acceptance rate for 5 MYR ('04, '12), 10 MYR ('00, '04, '12), 50 MYR ('07, '09) and 100 MYR ('12) has been improved based on the latest samples of the street grade banknotes. 3. Implemented workaround for potential recoverable bezel indication problem in idling state. 4. "EMPTY DISPENSER" command has been enabled in 0xCA failure state. 5. Implemented CCNET command applicability after bills retraction. 6. Detection and rejection of plastic/business cards has been improved. <p>Limitations:</p> <ol style="list-style-type: none"> 1. Power recovery is limited because of transparent windows on the banknotes. 2. Bill retraction functionality is limited for polymer banknotes with transparent windows. "Empty Dispenser" command must follow immediately after bill retraction (state "CA"). 				
<u>BB-SGMY1180</u>	03/04/16	BB300	Singapore + Malaysia	CCNET
<ol style="list-style-type: none"> 1. Eliminated false rejection of polymer banknotes of 2 SGD and 10 SGD accompanied by "CHEATED" message. 2. Overall acceptance rate has been improved. 3. Fixed an error in sensor synchronization that might lead to reduced acceptance rate. 4. Added jam recovery functions (in unloading and dispensing). 5. Maintenance mode (cleaning card) support added. 6. Corrected processing of Statistics counters. 7. Greeting message has been changed to "SUZOHAPP". <p>Limitations:</p> <ol style="list-style-type: none"> 1. Power recovery is limited because of transparent windows on the banknotes. 				
<u>BB-SGMY1170</u>	02/21/14	BB300	Singapore + Malaysia	CCNET
<ol style="list-style-type: none"> 1. Processing of new 1, 5, 10, 20 and 100 MYR issued in 2012 has been introduced. 2. Overall acceptance rate of both SGD and MYR has been improved based on the latest samples of street grade bills. 				
<u>BB-SGMY1165</u>	09/24/10	BB300	Singapore + Malaysia	CCNET
<p>First release.</p> <p>Distinctive features are:</p> <ol style="list-style-type: none"> 1. Barcode recognition. 2. Chassis soft download via CCNET. 3. Improved short bill returning. 				

4. Pass sensor's processing during bill packing has been improved to prevent rejection of single bills.
5. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.
6. 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)
7. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
8. Control of thermo heater in metal dispenser has been added.
9. 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.
10. Set higher priority to the indication of "BOX REMOVED" state.
11. Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING, DISABLED, ESCROW states (according to "CashCode NET" description).
12. BB power recovery feature has been introduced.
13. Nonvolatile counters for counting all dispensed or unloaded bills have been added.
14. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS" have been included to CCNET.
15. Size of the transparent window on the banknote has been brought in to be taken into account during transporting of the bill.
16. Errors related to setting date/time from B2B keypad in Service mode have been fixed.
17. The following error has been fixed: if remove a cassette from the chassis BB keeps trying to pack bills to that cassette.
18. "GET STATUS" command is enable only in IDLING and DISABLED states according to CCNET specification.
19. Error with displaying of "Not Assigned" state for recycling cassettes in Service mode has been fixed.
20. Prohibit switching to download mode in the following error states:
ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV.
21. Prohibit performing software RESET in the following error states:
ERROR_LINK_SENS_HV, ERROR_MAGN_SENS_HV and ERROR_OPT_SENS_HV.
22. Add "READ BB-DEVICES SERIAL NUMBER" command to CCNET.
23. Fix for unload in case when some bills were manually removed from the cassette has been implemented.
24. BB turns to IDLING through chassis re-initialization after the following sequence: drop box removal, chassis removal, then chassis replacement and drop box replacement.
25. BB statistics (failure counters) is not supported yet.
26. The improved algorithm of drop box initialization has been implemented in order to make sure that BB is always able to determine if drop box is completely attached.
27. Country code has been replaced with currency code in all internal tables.
28. Barcode is prohibited to be stacked to the recycling cassette.
29. BB suspends dispensing and reports BOX REMOVED if drop box was removed over dispensing; BB will resume dispensing after drop box replacement.
30. 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.
31. Diagnostic has been introduced.
32. FEED LEVEL capability has been introduced.
33. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.
34. Processing of EMPTY DISPENSER command has been modified to prevent false credit report in non-applicable states.

January 19, 2021

35. 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.