

# Revision History

Item No.	Release Date	Device	Country	Comm. Protocol
<b>Commentary</b>				
<b><u>BB-MY1183</u></b>	07/29/19	BB300	Malaysia	CCNET
<ol style="list-style-type: none"> <li>1. Processing of 1, 5, 10, 20, 50 and 100 MYR issued in 2016 (with new signature) has been added.</li> <li>2. Rejection of mutilated banknotes has been improved for 1, 5 and 10 MYR based on samples provided by customer.</li> <li>3. Overall acceptance rate has been improved based on the latest samples of street grade bills.</li> <li>4. Implemented workaround for potential recoverable bezel indication problem in Idling state.</li> <li>5. Fixed CCNET command applicability after bills retraction. That prevents invalid/unexpected operations of the unit when the banknotes are inside of dispenser.</li> </ol> <p>Limitations:</p> <ol style="list-style-type: none"> <li>1. Power recovery is limited because of transparent windows on the banknotes.</li> <li>2. Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA").</li> </ol>				
<b><u>BB-MY1182</u></b>	10/25/16	BB300	Malaysia	CCNET
<ol style="list-style-type: none"> <li>1. Acceptance rate of 1 MYR ('12), 5 MYR ('12), 10 MYR ('12) and 50 MYR ('07, '09) has been improved.</li> <li>2. Processing of 5 MYR ('04) and 10 MYR ('12) is improved.</li> <li>3. Handling of plastic notes has been improved.</li> <li>4. Maintenance mode (cleaning card) support added.</li> <li>5. "EMPTY DISPENSER" command has been enabled in 0xCA failure state.</li> </ol> <p>Limitations:</p> <ol style="list-style-type: none"> <li>1. Power recovery is limited because of transparent windows on the banknotes.</li> </ol>				
<b><u>BB-MY1181</u></b>	08/31/13	BB300	Malaysia	CCNET
Acceptance rate of new 1, 5, 10, 20 and 100 MYR issued in 2012 has been improved based on the latest samples of street grade bills.				
<b><u>BB-MY1180</u></b>	08/17/12	BB300	Malaysia	CCNET
<ol style="list-style-type: none"> <li>1. Jam recovery during Unload has been introduced: after jam in lower tract of BB chassis during unloading operation BB returns jammed bill back to corresponding cassette and try to unload the same bill again. This feature has been implemented for 0xE1, 0xE2, 0xE3, 0xE4, 0xE5, 0xE6 error codes.</li> <li>2. Jam recovery during Dispense has been introduced: if time-out of bill arriving to the input sensor of dispenser (error code 0xD4) is detected then BB returns jammed bill back to corresponding cassette and try to dispense the same bill again.</li> </ol>				
<b><u>BB-MY1170</u></b>	06/06/12	BB300	Malaysia	CCNET
<ol style="list-style-type: none"> <li>1. Processing of new 1 MYR, 5 MYR, 10 MYR, 20 MYR and 100 MYR to be issued in 2012 has been introduced.</li> <li>2. BB statistics in new format has been introduced.</li> </ol>				

July 29, 2019

3. Processing of EMPTY DISPENSER command has been modified to prevent false credit report in non-applicable states.
4. 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.

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<b><u>BB-MY1163</u></b>	12/11/09	BB300	Malaysia	CCNET
<ol style="list-style-type: none"> <li>1. BB turns to IDLING through chassis re-initialization after the following sequence: drop box removal, chassis removal, then chassis replacement and drop box replacement.</li> <li>2. BB statistics (failure counters) is not supported yet.</li> <li>3. 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.</li> <li>4. Country code has been replaced with currency code in all internal tables.</li> <li>5. Barcode is prohibited to be stacked to the recycling cassette.</li> <li>6. BB suspends dispensing and reports BOX REMOVED if drop box was removed over dispensing; BB will resume dispensing after drop box replacement.</li> <li>7. 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.</li> <li>8. Diagnostic has been introduced.</li> <li>9. FEED LEVEL capability has been introduced.</li> <li>10. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.</li> <li>11. Processing of new 50 MYR issued in 2007 has been introduced.</li> </ol>				

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<b><u>BB-MY1152</u></b>	11/20/06	BB300	Malaysia	CCNET
<ol style="list-style-type: none"> <li>1. Pass sensor's processing during bill packing has been improved to prevent rejection of single bills.</li> <li>2. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.</li> <li>3. Processing of the following options has been implemented:  'LED BV INHIBIT' -&gt; 0 - LED is red in BV_INHIBIT state; 1 - LED is turned off  'KEEP BILL' -&gt; 0 - bill will be dropped after returning; 1 - bill will be held  'LOOK TAPE' -&gt; enhanced processing of pass sensor (0 - OFF, 1 - ON)  'TURN SWITCH' -&gt; switch turning after bill packing (0 - OFF, 1 - ON) </li> <li>4. Loss of cassette setting "Not Assigned" after RESET has been eliminated.</li> <li>5. Control of triangle wheel in metal bezel during bill accepting has been improved to prevent the bill sticking.</li> <li>6. Control of thermo heater in metal dispenser has been added.</li> <li>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.</li> <li>8. Set higher priority to the indication of "BOX REMOVED" state.</li> <li>9. Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING, DISABLED, ESCROW states (according to "CashCode NET" description).</li> <li>10. Do not erase an IDENTIFICATION NUMBER of BB unit in statistics after download to the validating head the software designed for another country.</li> <li>11. BB power recovery feature is not supported yet.</li> <li>12. Non-volatile counters for counting all dispensed or unloaded bills have been added.</li> <li>13. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS" have been included to CCNET.</li> </ol>				

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July 29, 2019

14. Size of the transparent window on the banknote has been brought in to be taken into account during transporting of the bill.
15. Errors related to setting date/time from B2B keypad in Service mode have been fixed.
16. The following error has been fixed: if remove a cassette from the chassis BB keeps trying to pack bills to that cassette.
17. "GET STATUS" command is enable only in IDLING and DISABLED states according to CCNET specification.
18. Error with displaying of "Not Assigned" state for recycling cassettes in Service mode has been fixed.
19. Prohibit switching to download mode in the following error states:  
ERROR\_LINK\_SENS\_HV, ERROR\_MAGN\_SENS\_HV and ERROR\_OPT\_SENS\_HV.
20. Prohibit performing software RESET in the following error states:  
ERROR\_LINK\_SENS\_HV, ERROR\_MAGN\_SENS\_HV and ERROR\_OPT\_SENS\_HV.
21. Add "READ BB-DEVICES SERIAL NUMBER" command to CCNET.
22. Remove the control of stand-by battery.
23. Fix for unload in case when some bills were manually removed from the cassette.

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<b><u>BB-MY1148</u></b>	06/14/05	BB300	Malaysia	CCNET
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Update for new hardware:

1. Control of centering mechanism is improved (sticking of "jaws" in validating head is eliminated).
2. Chassis software download via CCNET is supported.
3. CCNET interface has been updated:
  - command for chassis software download has been added;
  - "Extended Identification" command has been included;
  - such option as turn to main program's download stage from "BV\_Failure" and "BV\_Box\_Removed" states has been added.
4. Bill drop during rejecting or returning has been eliminated.

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<b><u>BB-MY1544</u></b>	03/03/05	BB300	Malaysia	CCNET
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First release: new 5 MYR is included; metal bezel is supported; barcode recognition & credit recovery are not supported yet.