

Revision History

Item No.	Release Date	Device	Country	Comm. Protocol
Commentary				
<u>BB-EUDKSE1688</u>	08/31/21	BB300	Euro + Denmark + Sweden	CCNET
<ol style="list-style-type: none"> 1. Processing of new 500 DKK (serie 2009A, issued in 2020) has been introduced. 2. Implemented automatic restoring of the recycling cassette capacity limit after restart ("Reset" command, power interruption, etc.). <p>Limitations:</p> <ol style="list-style-type: none"> 1. Barcodes processing is disabled. 2. Maintenance mode (cleaning card) support is disabled. 				
<u>BB-EUDKSE1687</u>	04/25/19	BB300	Euro + Denmark + Sweden	CCNET
<ol style="list-style-type: none"> 1. Processing of new 100 EUR (2019) and 200 EUR (2019) has been introduced. 2. Processing of old 5 EUR ('02), 10 EUR ('02) and 20 EUR ('02) has been disabled. 3. Implemented workaround for potential recoverable bezel indication problem in Idling state. <p>Limitations:</p> <ol style="list-style-type: none"> 1. Barcodes processing is disabled. 2. Maintenance mode (cleaning card) support is disabled. 				
<u>BB-EUDKSE1686</u>	07/26/17	BB300	Euro + Denmark + Sweden	CCNET
<ol style="list-style-type: none"> 1. Detection and rejection of counterfeits 50 EUR (2002) has been improved based on samples received from the field. 2. Processing of 100 and 500 SEK (series 2001) has been disabled. 3. Support of 50 EUR (2017) banknotes with "R"-code, printed by BUNDESDRUCKEREI, has been added. 4. Fixed CCNET command applicability after bills retraction. That prevents invalid/unexpected operations of the unit when the banknotes are inside of dispenser. <p>Limitations:</p> <ol style="list-style-type: none"> 1. Barcodes processing is disabled. 2. Maintenance mode (cleaning card) support is disabled. 				
<u>BB-EUDKSE1685</u>	12/21/16	BB300	Euro + Denmark + Sweden	CCNET
<ol style="list-style-type: none"> 1. Processing of new 50 EUR ('17) has been introduced. 2. Detection and rejection of paper infused banknote has been implemented. 3. Overall acceptance rate has been improved. <p>Limitations:</p> <ol style="list-style-type: none"> 1. Barcodes processing is disabled. 2. Maintenance mode (cleaning card) support is disabled. 				
<u>BB-EUDKSE1684</u>	06/28/16	BB300	Euro + Denmark + Sweden	CCNET

August 31, 2021

1. Processing of new 100 SEK (2016) and 500 SEK (2016) has been introduced.
2. Processing of old 20 SEK (1997), 50 SEK (2006) and 1000 SEK (2006) has been disabled.
3. "EMPTY DISPENSER" command has been enabled in OxCAs failure state.

Limitations:

1. Barcodes processing is disabled.
2. Maintenance mode (cleaning card) support is disabled.

<u>BB-EUDKSE1683</u>	09/21/15	BB300	Euro + Denmark + Sweden	CCNET
<ol style="list-style-type: none"> 1. Processing of new 20 EUR (2015) has been introduced. 2. Processing of new 20 SEK (2015), 50 SEK (2015), 200 SEK (2015) and 1000 SEK (2015) has been introduced. 3. Rejection of folded EUR banknotes has been improved to prevent cross-validation. 4. Detection and rejection of EUR counterfeits has been improved. 5. Overall acceptance rate has been improved. 6. Eliminated false bills rejection accompanied by "CHEATED" message. 7. Fixed Power recovery issues during stacking. 8. Fixed missing message about unloaded bills before BOX FULL message. 9. Corrected processing of Statistics counters for bills, packed into cassette after "Power cut during stacking". 10. Eliminated false Power recovery report during initialization after BOX FULL message. 11. Barcodes acceptance has been removed to release memory footprint. 12. Maintenance mode (cleaning card) support has been disabled. 				

Limitations:

1. Barcodes processing is disabled.
2. Maintenance mode (cleaning card) support is disabled.

<u>BB-EUDKSE1182</u>	03/17/15	BB300	Euro + Denmark + Sweden	CCNET
<ol style="list-style-type: none"> 1. Overall acceptance rate has been improved. 2. Rejection of folded new 10 Euro has been improved to prevent cross-validation. 3. Detection and rejection of counterfeits has been improved. 4. Processing of Barcodes has been improved. 5. Maintenance mode (cleaning card) support added. 6. Service mode support is re-enabled. 7. "CashCode" was changed to "Suzo-Happ Group" everywhere. 8. Bill length transfer into chassis was implemented. 9. DISPENSED message added in case of Dispenser failure during Dispensing operation. 10. CCNET_READ_MODULES_ID support became enabled for Idling mode. 11. Credit message added when reset on accepting. 12. Infinite initialization cycle is fixed. Unit can exit this multifunction state upon reception "RESET" command. 13. Optical length filter was implemented. 14. Added checking for magnetic sensors' defects. 15. Chassis update using memory card is fixed. 				

<u>BB-EUDKSE1181</u>	10/30/14	BB300	Euro + Denmark + Sweden	CCNET
Introduction of new 10 Euro and addition of 200 and 500 Euro.				

<u>BB-EUDKSE1180</u>	05/13/13	BB300	Euro + Denmark + Sweden	CCNET
First release for European Union + Denmark + Sweden.				

1. Processing of new 5 EUR to be issued in 2013 has been introduced.
2. Performance improvement to 5, 10, 20 and 50 EUR.

Distinctive features are:

1. Barcode recognition.
2. Chassis soft download via CCNET.
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 has been introduced.
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 BB 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; BB 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.

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- 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.
- 33. 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.
- 34. 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.