

April 25, 2022

## Revision History

Item No.	Release Date (mm/dd/yy)	Device	Country	Comm. Protocol
<b>BB-RO1182</b>	04/25/22	BB300	Romania	CCNET
<ol style="list-style-type: none"> <li>Processing of new denomination 20 RON (Commemorative, issued in 2021) has been introduced.</li> <li>Processing of 1 RON ('18), 5 RON ('18 ), 50 RON ('18 ), 100 RON ('18 ), 200 RON ('18 ) has been added based on the latest samples of street grade banknotes received from customer.</li> <li>Bill table has been modified to include the new denomination 20 RON according to the customer's requirements (refer to User's Guide for more details): <ul style="list-style-type: none"> <li>Bill type "3" is set to "20 RON" (previously was set to "50 RON"),</li> <li>Bill type "4" is set to "50 RON" (previously was set to "100 RON"),</li> <li>Bill type "5" is set to "100 RON" (previously was set to "200 RON"),</li> <li>Bill type "6" is set to "200 RON" (previously was set to "500 RON"),</li> <li>Bill type "7" is set to "500 RON" (previously was "not used").</li> </ul> </li> <li>DIP Switches settings have been changed accordingly to include the new 20 RON, upon discussion with the customer (refer to User's Guide for more details): <ul style="list-style-type: none"> <li>DIP Switch 1.4 is set to enable/disable "20 RON" (previously was set to "50 RON"),</li> <li>DIP Switch 1.5 is set to enable/disable "50 RON" (previously was set to "100 RON"),</li> <li>DIP Switch 1.6 is set to enable/disable "100 RON" (previously was set to "200 RON"),</li> <li>DIP Switch 1.7 is set to enable/disable "200 &amp; 500 RON" both (previously was set to " 500 RON" only).</li> </ul> </li> <li>Implemented automatic restoring of the recycling cassette capacity limit after restart ("Reset" command, power interruption, etc.).</li> <li>Eliminated random bills rejection accompanied by false "CHEATED" message for 50 and 100 RON.</li> <li>Supported Denominations Set has been updated to "SDS-RON8-R1".</li> </ol> <p>Limitations:</p> <ol style="list-style-type: none"> <li>Power recovery is limited because of transparent windows on the banknotes.</li> <li>Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA").</li> </ol>				
<b>BB-RO1181</b>	04/12/18	BB300	Romania	CCNET
<ol style="list-style-type: none"> <li>Maximum number of dispensed bills has been increased to 20.</li> </ol> <p>Limitations:</p> <ol style="list-style-type: none"> <li>Power recovery is limited because of transparent windows on the banknotes.</li> <li>Bill retraction functionality is limited. "Empty Dispenser" command must follow immediately after bill retraction (state "CA").</li> </ol>				
<b>BB-RO1180</b>	12/18/17	BB300	Romania	CCNET
<ol style="list-style-type: none"> <li>Acceptance rate for 10 RON (2005, 2008) has been improved.</li> </ol>				

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2. Overall acceptance rate has been improved by introducing a new bill processing algorithm and according to the latest samples of street grade bills.
3. DIP Switches settings have been modified (refer to User's guide for details):  
DIP Switch 1.3 is set to enable/disable "10 RON" (all year's issue);  
DIP Switch 1.8 is set to enable/disable "Bill Acceptance Mode / Maintenance Mode".
4. Introduced Jam Recovery feature (in Accepting, Unloading and Dispensing).
5. "EMPTY DISPENSER" command has been enabled in 0xCA failure state.
6. Fixed CCNET command applicability after bills retraction.  
That prevents invalid/unexpected operations of the unit when the banknotes are inside of dispenser.
7. MODULE IDENTIFICATION command has been enabled in IDLING state as per CCNET Protocol description.
8. Implemented workaround for potential recoverable bezel indication problem in idling state.
9. Maintenance mode (cleaning card) support added.
10. Greeting message has been changed to "SUZOHAPP".

Limitations:

1. Maximum number of dispensed bills is limited to 10.
2. Power recovery is limited because of transparent windows on the banknotes.

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<b><u>BB-RO1170</u></b>	12/19/11	BB300	Romania	CCNET
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1. Overall acceptance rate has been improved.
2. BB statistics in new format has been introduced.

Limitations:

1. Maximum number of dispensed bills is limited to 10.

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<b><u>BB-RO1165</u></b>	10/07/10	BB300	Romania	CCNET
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1. Processing of EMPTY DISPENSER command has been modified to prevent false credit report in non-applicable states.
2. 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.
3. Acceptance of 1 and 5 RON has been improved according to the latest samples of street grade bills.

Limitations:

1. Maximum number of dispensed bills is limited to 10.

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<b><u>BB-RO1162</u></b>	06/19/09	BB300	Romania	CCNET
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1. Processing of new 10 RON issued in 2008 has been introduced.
2. DIP switch to enable / disable old 10 RON has been brought in.
3. FEED LEVEL capability has been introduced.
4. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.

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<b><u>BB-RO1159</u></b>	10/17/08	BB300	Romania	CCNET
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1. Processing of 200 RON has been introduced.
2. Diagnostic command has been introduced (see MAN\_CCNET d7 Rev.2.5.1).
3. Problem with barcodes stacked to the Escrow cassette (must be packed into drop box only) has been fixed.

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4. If drop box is removed over dispensing then BB suspends dispensing and reports BOX REMOVED, dispensing will be resumed after drop box replacement.
5. 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.

<b>BB-RO1154</b>	08/28/08	BB300	Romania	CCNET
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Country code has been replaced with currency code in all internal tables.

<b>BB-RO1153</b>	02/02/07	BB300	Romania	CCNET
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First release for new hardware:

1. Metal bezel support.
2. Barcode recognition.
3. Jam (credit loss) prevention.
4. Chassis soft download via CCNET.
5. Improved short bill returning.
6. Pass sensor's processing during bill packing has been improved to prevent rejection of single bills.
7. 'SET OPTIONS' and 'GET OPTIONS' commands have been added to CCNET.
8. 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)
9. Loss of cassette setting "Not Assigned" after RESET has been eliminated.
10. Control of triangle wheel in metal bezel during bill accepting has been improved to prevent the bill sticking.
11. Control of thermo heater in metal dispenser has been added.
12. 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.
13. Set higher priority to the indication of "BOX REMOVED" state.
14. Make "RECYCLING CASSETTE STATUS" request accessible only in IDLING,
  1. DISABLED, ESCROW states (according to "CashCode NET" description).
15. Do not erase an IDENTIFICATION NUMBER of BB unit in statistics after download to the validating head the software designed for another country.
16. BB power recovery feature is not supported yet.
17. Nonvolatile counters for counting all dispensed or unloaded bills have been added.
18. Commands "POWER RECOVERY", "EMPTY DISPENSER", "EXTENDED CASSETTE STATUS" have been included to CCNET.
19. Size of the transparent window on the banknote has been brought in to be taken into account during transporting of the bill.
20. Errors related to setting date/time from B2B keypad in Service mode have been fixed.
21. The following error has been fixed: if remove a cassette from the chassis, BB keeps trying to pack bills to that cassette.
22. "GET STATUS" command is enable only in IDLING and DISABLED states according to CCNET specification.
23. Error with displaying of "Not Assigned" state for recycling cassettes in Service mode has been fixed.
24. Prohibit switching to download mode in the following error states:

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- ERROR\_LINK\_SENS\_HV, ERROR\_MAGN\_SENS\_HV and ERROR\_OPT\_SENS\_HV.
25. Prohibit performing software RESET in the following error states:  
ERROR\_LINK\_SENS\_HV, ERROR\_MAGN\_SENS\_HV and ERROR\_OPT\_SENS\_HV.
26. Add "READ BB-DEVICES SERIAL NUMBER" command to CCNET.
27. Remove the control of stand-by battery.
28. Fix for unload in case when some bills were manually removed from the cassette has been implemented.
29. BB turns to IDLING through chassis re-initialization after the following sequence: drop box removal, chassis removal, then chassis replacement and drop box replacement.
30. The keeping of correct BB statistics has been brought in (failure counters).
31. 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.