

July 25, 2019

## Revision History

Item No.	Release Date	Device	Country	Comm. Protocol
<b>Commentary</b>				
<b><u>BB-PY1682</u></b>	07/25/19	BB300	Paraguay	CCNET
<ol style="list-style-type: none"> <li>Added support of 2000, 5000, 10000, 20000, 50000 and 100000 PYG, issued in 2017, based on scans and samples of the banknotes received from customer.</li> <li>Acceptance rate has been improved for the different bill types issued in 2011, 2013, 2015 and 2016 based on the latest samples of street grade bills.</li> <li>Implemented workaround for potential recoverable bezel indication problem in Idling state.</li> </ol> <p>Limitations:</p> <ol style="list-style-type: none"> <li>Processing of Barcode is removed to release memory.</li> <li>Maintenance mode (cleaning card) is not supported.</li> <li>Jam / Power recovery is limited because of transparent windows on the banknotes.</li> </ol>				
<b><u>BB-PY1681</u></b>	08/17/17	BB300	Paraguay	CCNET
<ol style="list-style-type: none"> <li>Added support of banknotes, printed in 2015-2016 (5000, 10000, 50000 and 100000 PYG series "H"; 20000 PYG series "F").</li> <li>Overall acceptance rate has been improved based on the latest samples of street grade bills.</li> <li>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>Processing of Barcode is removed to release memory.</li> <li>Maintenance mode (cleaning card) is not supported.</li> <li>Jam / Power recovery is limited because of transparent windows on the banknotes.</li> </ol>				
<b><u>BB-PY1680</u></b>	09/27/16	BB300	Paraguay	CCNET
<ol style="list-style-type: none"> <li>Support of 5000 PYG (2013) has been added.</li> <li>Processing of 50000 PYG (1997-1998 Issue) has been disabled.</li> <li>Overall acceptance rate has been improved.</li> <li>Introduced Jam Recovery feature (in Unloading and Dispensing).</li> <li>"EMPTY DISPENSER" command has been enabled in OxCa failure state.</li> <li>MODULE IDENTIFICATION command has been enabled in IDLING state as per CCNET Protocol description.</li> <li>Greeting message was changed to "SUZOHAPP".</li> </ol> <p>Limitations:</p> <ol style="list-style-type: none"> <li>Processing of Barcode is removed to release memory.</li> <li>Maintenance mode (cleaning card) is not supported.</li> <li>Jam / Power recovery is limited because of transparent windows on the banknotes.</li> </ol>				
<b><u>BB-PY1670</u></b>	01/23/13	BB300	Paraguay	CCNET
<p>This is the first release of BB software with CCNET interface for Paraguay.</p> <p>Distinctive features are:</p>				

1. Barcode not supported
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.
11. Nonvolatile 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. 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.
27. FEED LEVEL capability has been introduced.
28. Commands SET CASSETTE CAPACITY LIMIT and GET CASSETTE CAPACITY LIMIT have been added to CCNET.
29. BB statistics in new format has been introduced.
30. Processing of EMPTY DISPENSER command has been modified to prevent false credit report in non-applicable states.
31. 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.