



Subject: CashCode SM-US1732 Firmware to Accept the New US \$5 bill (2008)

Update A: Added Installation instructions for manual update.

Update B: Prior to any purchase an additional counterfeit issue was resolved and added, raising the firmware level from US1731 to US1732. The part numbers below did not change, the rev was simply updated since none had been purchased.

Update C: Added upgrade instructions for units using ST Emulation (FW: SM-US3612).

Overview

CashCode has released new firmware for US models of the CashCode SM Bill Acceptor unit in order to accept the new US \$5.00 bill.

Problem

Older version of the CashCode SM firm ware will not accept the new US \$5.00 bill. This new \$5 bill, released in 2008, will soon be in general circulation. This will affect all US customers.

Solution

Firmware in all US CashCode SM units must be updated in order to accept the new US \$5.00 bill. The new version of firmware issued by CashCode is titled SM-US1732.

New part numbers are as follows:

| Part Number | Description | Supersedes |
|-------------|---|------------|
| 11002442 | Bill Acceptor, CashCode, SM Backload, USA, Firmware SM-US1732 | 11001360 |
| 11002443 | CashCode SM Stick SM-US1732 | 11001983 |

NOTE: Each SM Memory Stick can be used up to 25 times only.

| | | |
|---|--|-------|
| INQUIRIES TO: | | DATE |
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Procedure to Update Firmware on CashCode SM Bill Acceptors (US)

For those customers who receive ASM updates from Software Development, Software Development will provide an ASM package with this update. In order to perform the update manually, please follow the instructions below.

Note: If the unit to be updated is using “ST Emulation” firmware SM-US3612 then please follow the instructions in Section 2.

Section 1

Memory Stick Update Method

1. Power off unit.
2. Remove Stacker Cassette.



3. Remove Cover Plate.



4. Remove current memory stick (SM-NDEG), by sliding the metal clip towards the plastic socket. Once the clip has been released, the memory stick can be removed by pulling on the end.



5. Inset SM-US1732 memory stick. (Part # 11002443). Slide the Memory stick in to the socket, press down on the memory stick, holding against the circuit board, slide the metal retaining clip back to lock the chip in to place
6. Power on unit. Indicator lights on the front of unit will flash red & green while firmware is downloaded from the SM-US1732 memory stick.
7. When lights stop flashing, power off the unit, replace the SM-US1732 with the SM-NDEG memory stick. Using the procedure in steps 4 and 5.
8. Power-up the unit and test.

Section 2 **Memory Stick Update Method - Upgrade from ST Emulation**

Note: You must use this method if you are trying to update a CashCode running an SM-3612 Memory Stick using the CashCode.dll. If you have an SM-17XX Memory Stick in your CashCode instead of the SM-3612 you can use the Software Method document called “Updating \$5 Bill on U-Scan- Rel. 1.1” (Section 1) or you can follow this method to update firmware on CashCode Bill Acceptor.

1. Power off CashCode device by removing power cable from CashCode Device (Top plug on CashCode Device).
2. Remove Stacker Cassette (Vault).



3. Remove Cover Plate.



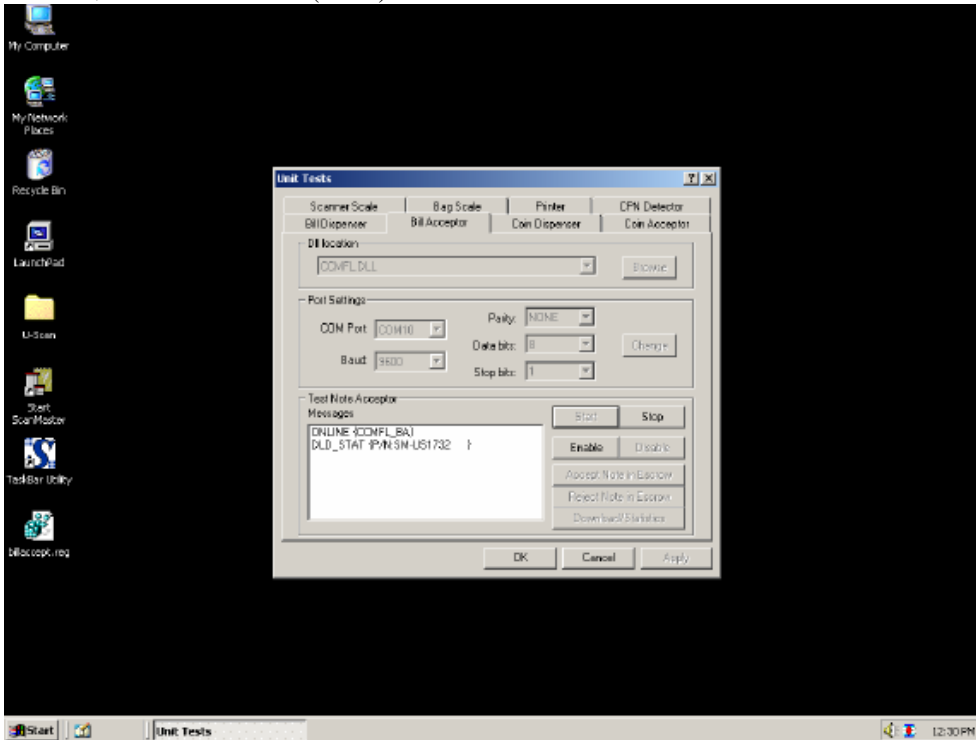
4. Remove current Memory Stick (SM-3612), by sliding the metal clip towards the plastic socket. Once the clip has been released, the Memory Stick can be removed by pulling on the end.

5. Insert SM-US1732 Memory Stick. Slide the Memory Stick into the socket; press down on the memory stick, holding against the circuit board, and slide the metal retaining clip back to lock the chip into place.
6. Power on unit. Indicator lights on the front of unit will flash red & green while firmware is downloading from the SM-1732 Memory Stick.
7. When the flashing green & red goes to only flashing red, the update is complete (less than 20 seconds).
8. Power off the unit and replace the SM-1732 with the SM-NDEG Memory Stick using the procedure in steps 4 and 5.



9. Replace Cover; replace Vault and Power up the unit.
10. From LaunchPad select DEVICE TESTER and enter 1379 and Press OK.
11. Select Bill Acceptor Tab and change CASHCODE.DLL to CCMFL.DLL by holding down SHIFT-KEY and PRESS * (asterisk on #8 key). Select CHANGE button and select CCMFL.DLL from drop down list.
12. Set the following:
Com Port = 10
Baud= 9600
Parity=NONE
Data Bits=8
Stop Bits=1
13. Press Apply.

14. Press START and Press ENABLE. Insert new \$5 bill to test. Press OK on device tester screen and remember to remove \$5 bill from Stacker (Vault).



15. Reboot U-Scan, \$5 Update is completed.

If you show any errors or download is not successful, contact Support for further assistance.