

# Security Quick Installation Guide

## With SD Memory Card

## 1. Preparation

### 1.1 Installation Media

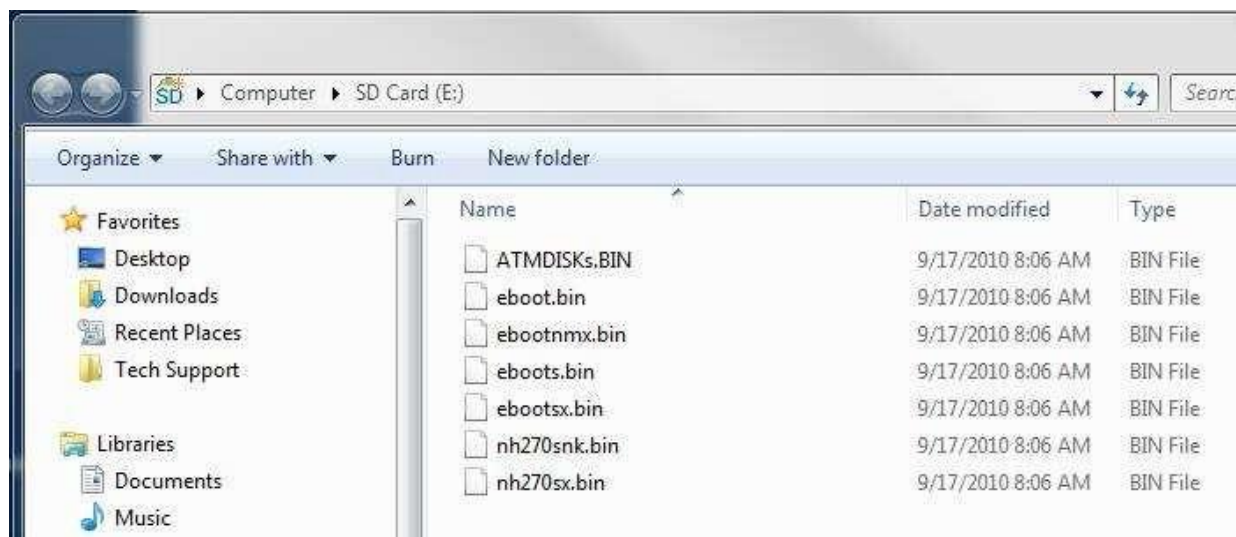
SD memory cards are used for installation on 1800CE/ 5000CE / 5300 CE machines. The SD card has to be 2gb or smaller. (Scandisk is not preferred).

### 1.2 Preparation files

To make the installation SD card, just copy the installation files to an SD card from your PC.

No.	File name	Contents
1	eboot.bin ebootnmx.bin	Boot loader image for preparing security
2	eboots.bin ebootsx.bi	Boot loader image for security
3	nh270snk.bin nh270sx.bin	Operating System image for security
4	ATMDISks.bin	ATM disk and software image for security

Your SD card (while in the computer) should look like the picture below.



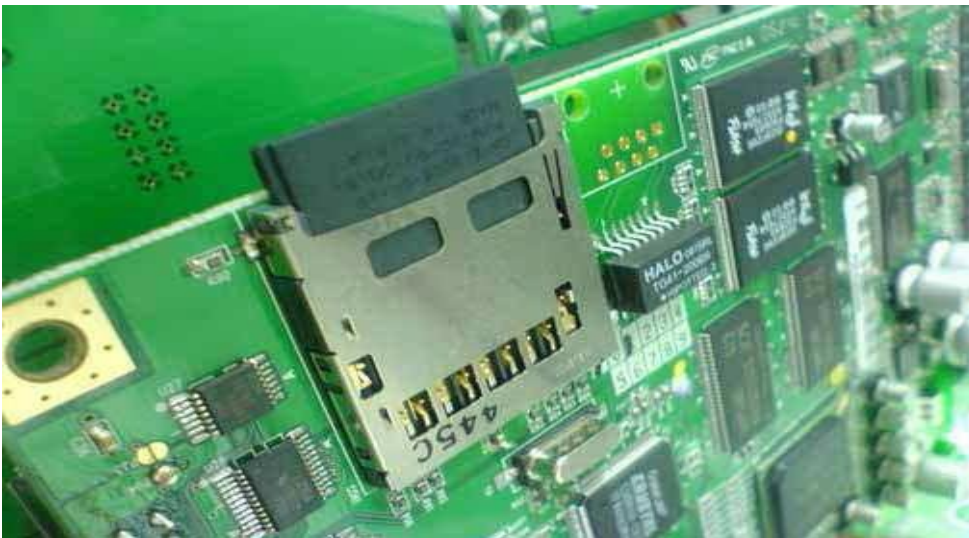
### 1.3 Warning

Before performing the update, you must backup the journal and log file in the ATM.  
After the update completes, the journal and log are not restored.

## 2. Installation

### 1.1 Boot loader installation for preparing security

- 1) Power off the ATM and remove the cover from the system main board.
- 2) Put the SD card into the SD card slot.



- 3) Press and hold the two buttons at the bottom left of the display during power up. Continue holding them until you see the screen in step 4).



4) In the Diagnostic Mode main menu, select the “SD CARD” button on the right.

```

      NAUTILUS HYOSUNG (Ver : V01.02.xx)
      ===== DIAGNOSTIC MODE =====

<<< SERIAL                                SD CARD >>>

<<< LAN (MAC)                             FLICKER >>>

<<< RTC                                    SENSOR >>>

<< Aging                                  Exit Test Menu >>>

```

5) The Bootloader will automatically begin updating.

```

      ===== << SD Upgrading .... >> =====
      [BootLoader Downloaded   : 100 % ]
      - Loading from SD CARD   : Done !
      - Writing to FLASH       : Done! [OS
      Image Downloaded        : 100 % ]
      - Loading from SD CARD   : Done !
      - Writing to FLASH       : Done!
      [DISKImage Downloaded    : 100 % ]
      - Loading from SD CARD   : Done !
      - Writing to FLASH       : Done !

                                             Reboot >>>

```

6. If the ATM says “No File Found” or “File Skipped” you will need to check you file structure on the SD card. Ensure that only the 7 .bin files on there. No extra folders, .zip files or any other files other than the 7 .bin files for the software upload. Also check the formatting of the SD card. Copy the 7 .bin files off the SD card, open Computer and right click on the SD card. You will have a format option and will be able to change the format to FAT or FAT32. Copy the 7 .bin files back onto the SD card (ensure it looks like the picture in 1.2 section) and try again.

- 2) After loading the Application, verify the OS version is [V01.04.07](#)  
-Log into the machine, go to REPORT and choose S/W VERSION.

	AP		VDM		SP		EP
AP	V01.04.07	CDU	V05.03.00.00	CDU	V05.03.37	CDU	CDU01PV030001
OS	V01.03.16	SPR	V05.03.00.00	SPR	V05.03.27	SPR	SPR54
MWI	V06.03.00	MCU	V05.03.00.00	MCU	V05.03.07	MCU	V01.00.03
RMS	V01.03.17			PIN	V05.04.01	PIN	V08.00.00
				SIU	V05.03.08	SIU	N/A

PRINT

CANCEL TO RETURN