



Technical Information:

**Card Save Function  
Procedure for Storing Print Data onto  
an SD Card  
White Paper**

Document Version 1.0

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**Version history:**

Version	Issue Date	Revised item
1.0	Nov. 15,2007	Initial release

**NOTE:**

Throughout this document you may see references such as 04A (2004 Autumn) or 05S (2005 Spring). You will only see an A (Autumn) or S (Spring) attached to the last two digits of a year.

These two seasons reflect the time period the machines were manufactured.

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## **1. Introduction**

A print capture can be made in many ways. This document will describe the Card Save function. Using Card Save, a print capture can be written directly from the printer to an SD Card.

## **2. Target Readers**

This document is intended for the support staff of Ricoh family group companies and their subsidiaries.

## **3. Target Models**

This document applies to Fall of 2005 or later models.

## **4. Requirements**

A standard SD Card is required.

## **5. Card Save Overview**

### **5-1 Card Save**

The Card Save function is used to save print jobs received by the printer on an SD card with no print output. Card Save mode is toggled using printer Bit Switch #1-4.

Card Save will remain enabled until the SD card becomes full, or until all file names have been used.

Captures are stored on the SD card in the folder /prt/cardsave. File names are assigned sequentially from PRT00000.prn to PRT99999.prn. An additional file PRT.CTL will be created. This file contains a list of all files created on the card by the card save function.

Previously stored files on the SD card can be overwritten or left intact. Card Save SD has “Add” and “New” menus.

Card Save (Add): Append files to the SD Card. Do not overwrite existing files. If the card becomes full or if all file names are used, an error will be displayed on the operation panel. Subsequent jobs will not be stored.

Card Save (New): Overwrite files in the card's /prt/cardsave directory.

### **5-2 Limitation**

Card Save cannot be used with PJL Status Readback commands. A PJL Status Readback will not work. In addition they will cause the Card Save to fail.

## 6. Procedure

### 6-1 MFP

**Step 1)** Turn the main power switch OFF.

**Step 2)** Insert the SD card into the service slot of the controller board. Then turn the power ON.

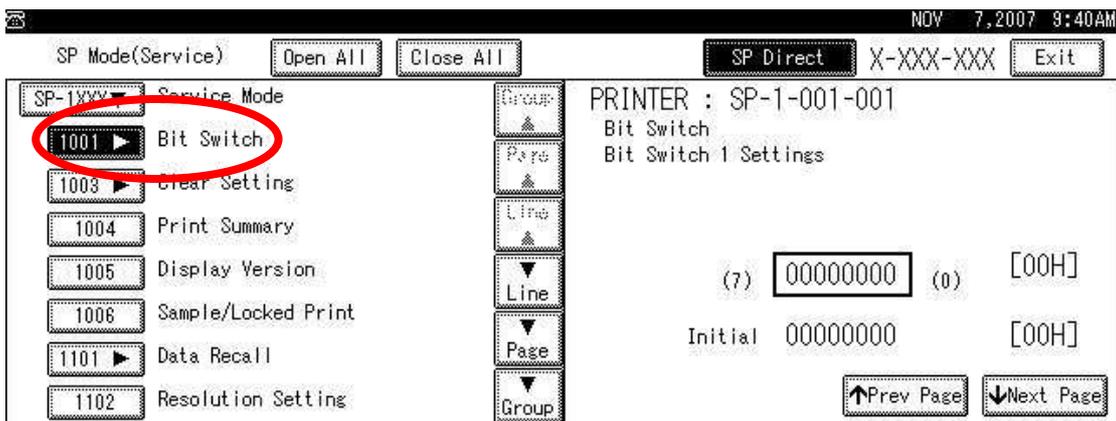
**NOTE:** To determine which slot is the service slot, please refer to the service manual.



**Step 3)** Enter SP mode.

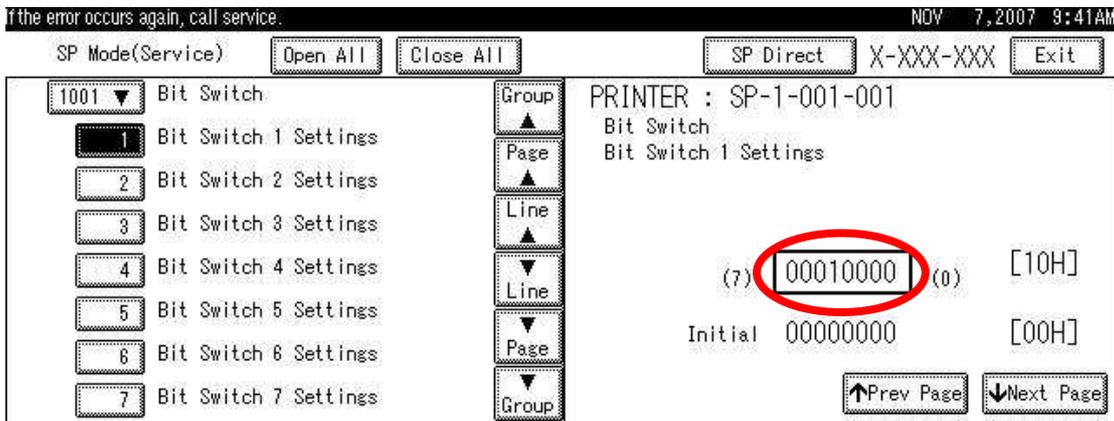
**Step 4)** Select the "Printer Sp".

**Step 5)** Select SP-1001 "Bit Switch".



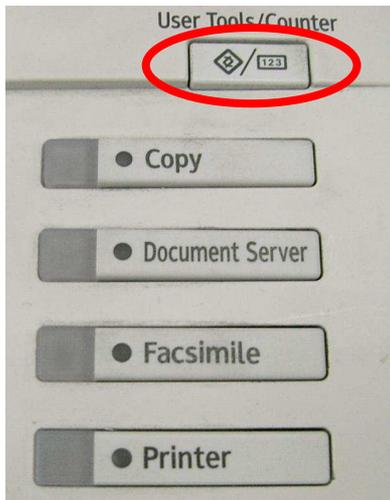
## Card Save Function

**Step 6)** Select “Bit Switch 1 Settings” and use the numeric keypad to turn bit 4 ON and then press the “#” button to register the change. The result should look like: **00010000**. By doing this Card Save option will appear in “List/Test Print” menu.

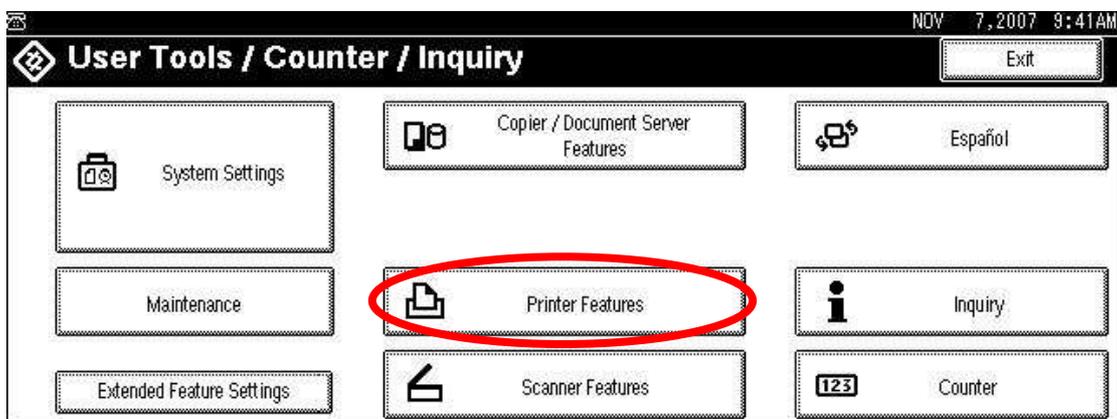


**Step 7)** Press “Exit” to exit SP Mode.

**Step 8)** Press the “User Tools/Counter” button.

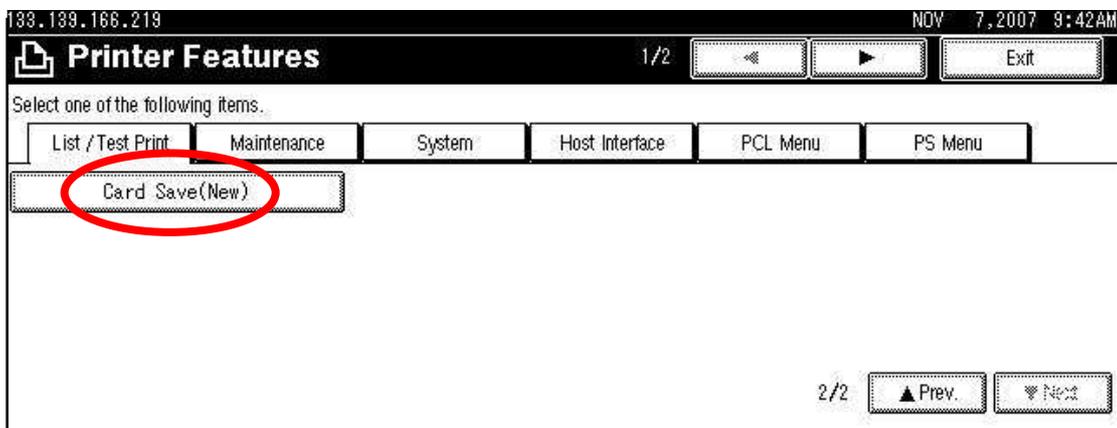
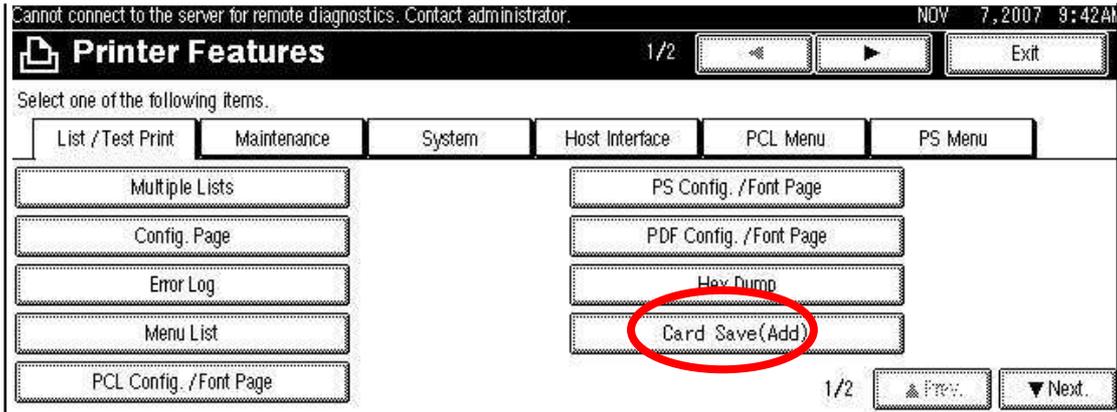


**Step 9)** Select “Printer Features”.

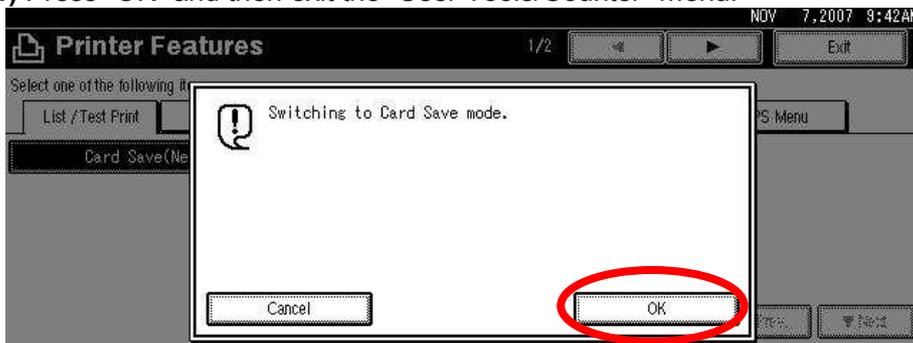


## Card Save Function

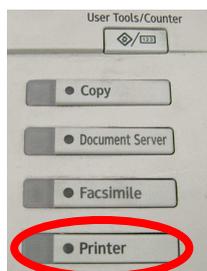
**Step 10)** Card Save (Add) and Card Save (New) should be displayed on the screen. Select Card Save (Add) or Card Save (New).



**Step 11)** Press "OK" and then exit the "User Tools/Counter" menu.

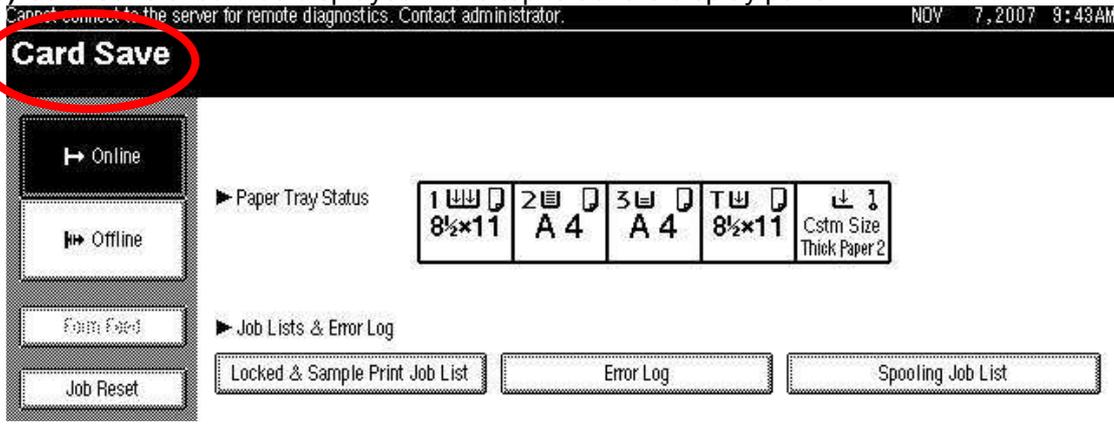


**Step 12)** Press the "Printer" button.

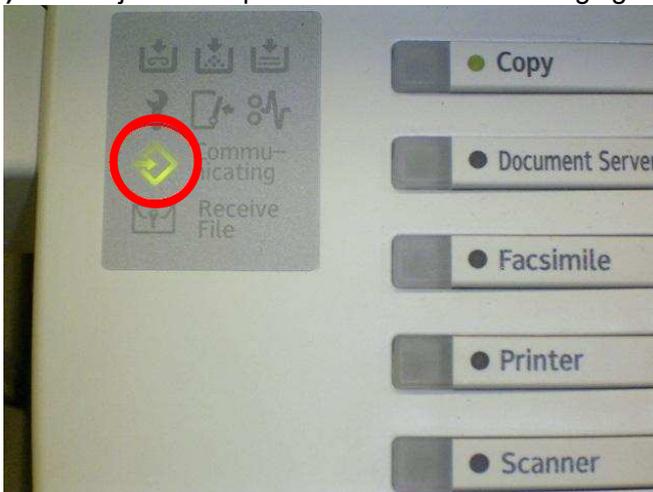


## Card Save Function

**Step 13)** Card Save should be displayed in the top left of the display panel.

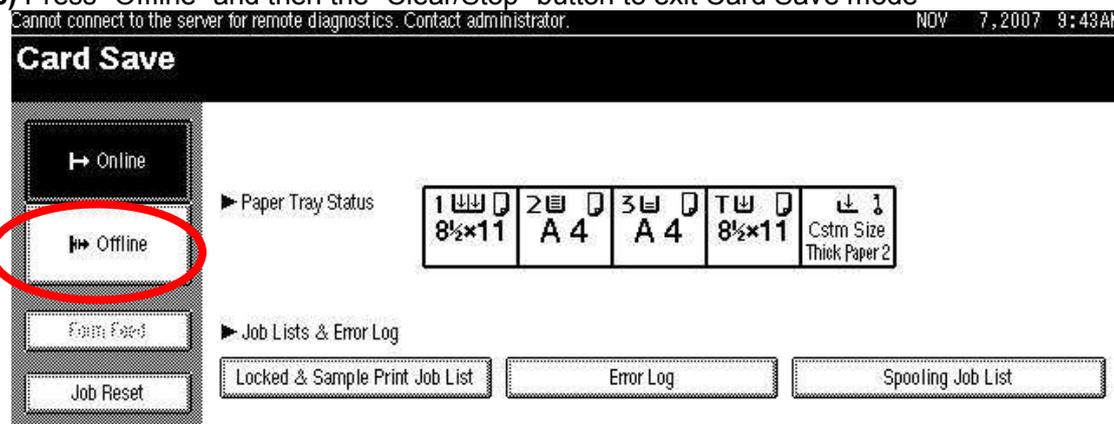


**Step 14)** Send a job to the printer. The Communicating light should start blinking as shown below.



**Step 15)** As soon as the printer receives the data, it will be stored on the SD card automatically with no print output. Nothing is displayed on the screen indicating that a Card Save operation was successful.

**Step 16)** Press "Offline" and then the "Clear/Stop" button to exit Card Save mode



**Step 17)** Change the Bit Switch Settings back to the default **00000000**. Press the "#" button in the numeric keypad to register the changes.

**Step 18)** Remove the SD card after main power switch is turned OFF.

Card Save Function

**6-2 LP**

**Step 1)** Turn the main power switch OFF.

**Step 2)** Insert the SD card into the service slot of the controller board. Then turn the power ON.



**NOTE:** To determine which slot is the service slot, please refer to the service manual.

**Step 3)** Enter SP mode.

**Step 4)** Select "Service Menu".

**Step 5)** Select SP-1001 "Bit Switch".

```
SP1001 >>
Bit Switch
```

**Step 6)** Select "Bit Switch 1" and turn bit 4 ON. The result should look like: 00010000. By doing this Card Save option will appear in "List/Test Print".

```
SP1001 - 001
Bit Switch 1
```

```
Sw#1 00010000
Bit4
```

**Step 7)** Push the "Escape" button and select "End" to exit SP Mode.

```
SYSTEM ver 1.06
3.End
```

**Step 8)** Press the "Menu" button and then select "List/Test Print".

```
Menu:
List/Test Print
```

## Card Save Function

**Step 9)** Card Save (Add) and Card Save (New) should be displayed on the screen. Select Card Save (New) or Card Save (Add).

List/Test Print:  
Card Save (New)

List/Test Print:  
Card Save (Add)

**Step 10)** To enable the newly configured settings, press the “#” button and then press the “Escape” button to exit the “List/Test Print” menu.

Card Save Mode  
Press # to set

Card Save Mode

**Step 11)** Send a job to the printer.

**Step 12)** As soon as the printer receives the data, it will be stored on the SD card automatically with no print output. Nothing is displayed on the screen indicating that a Card Save operation was successful.

**Step 13)** Press the “Online” button and then the “Escape” button to exit Card Save mode.

**Step 14)** Change the Bit Switch Settings back to the default **00000000**.

**Step 15)** Remove the SD card after main power switch is turned OFF.

## 7. Error Messages of MFP and LP

Card Save error messages:

**Init error:** A card save process (i.e. card detection, change to kernel mode) failed to initialize.

**Card not found:** Card cannot be detected in the slot.

**No memory:** Insufficient working memory to process the job.

**Write error:** Failed to write to the card.

**Other error:** An unknown error occurred.

If an error occurs, pressing "OK" will cause the device to discard the job and return to the ready state.