



735348S-001 Rev.  
August 7, 2014

**WARNING**

FAILURE TO CAREFULLY OBSERVE THE FOLLOWING INSTRUCTIONS  
COULD RESULT IN SEVERE EQUIPMENT DAMAGE.

INSTRUCTIONS FOR INSTALLING  
VENDAPIN LLC VENDING PRODUCTS TO RICOH, SAVIN, GESTETNER AND LANIER COPIERS

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**Note:** for 2-price capability, the Coin Box or Card Reader must be set to “Steering Mode”. For a full explanation see **STEERING SIGNAL MODE** in the *VENDAPIN, LLC 5x96 User Manual*.

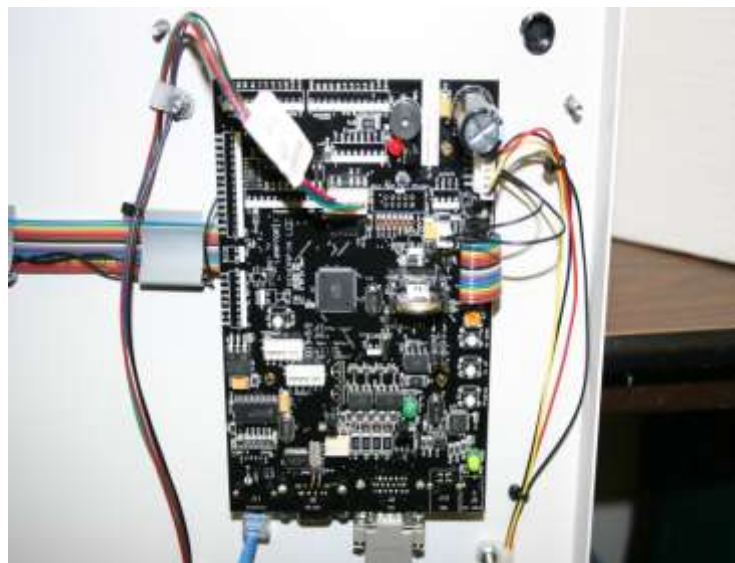
**NOTE: Optional Counter Interface Unit for Multi pricing must already be installed.  
for Ricoh its part # EDP code 413012 (A1 interface kit).**

1. Make sure the Ricoh/Savin/Gestetner/Lanier copier is functioning properly before connecting to the *VENDAPIN, LLC 5896 (terminal) or 5596 (coin-op box) vending unit*.
2. Consult with your Ricoh/Savin/Gestetner/Lanier technical support representative on instructions for configuring your copier with an external vending device. Sample procedure provided on **Page 5**.
3. Turn off the Copier’s main power and unplug from the AC receptacle.
4. Make sure the *VENDAPIN, LLC 5896/5596 vending unit* is unplugged from the AC receptacle.
5. Locate the 609348R machine harness that came with the *VENDAPIN, LLC 5896/5596 vending unit*.
6. Plug the VENDAPIN, LLC machine harness mini-Dsub 15 position connector to the connector on the back of the *VENDAPIN, LLC 5896/5596 vending unit*. Ensure the mounting screws are tight. See **Figure 1**.

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**Figure 1: 5896 connections**  
Left to Right: Power, USB, FDI, Serial, Network



**Figure 2: 5596 connections**  
Left to Right: Ethernet, Serial, FDI, and USB

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7. Connect the 20 position black connector into **CN4** on the *I/O Board* of the copier. See **Figure 2**.  
**Note:** The connector number may vary by manufacturer.



**Figure 3**

. Ricoh part # EDP code 413012

8. Make sure machine harness wires are away from all moving parts.
9. Plug in the network cable between the *VENDAPIN, LLC 5896/5596 vending unit* and Local Area Network. **See Figure 1 (for 5896) or Figure 2 (for 5596).**
10. Plug in the power adapter to the *VENDAPIN, LLC 5896 vending unit (FIGURE 1) or 5596 unit (Figure 2).*
11. Plug the power adapter into an A/C outlet.
12. The installation is now complete. It is recommended that the system be tested prior to replacing any of the copier covers. Refer to the Operator/Installation Instruction Manual for proper set up and test procedures. When the system test is completed and verified, replace all the copier covers.



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- 13. See **Table 1** for correct price settings.
- 14. Refer to the *VENDAPIN, LLC 5896/5596 User's manual* for setting up the 5896/5596 hardware.

Price	BK/W or Color	Size
1	BK/W	(LT) 11"x 8 1/2"
2	BK/W	(LG) 8 1/2"x 14"
3	BK/W	(DLT) 11"x 17"
4	N/A	OTHER
5	N/A	N/A
6	N/A	N/A
7	N/A	N/A
8	N/A	N/A
9	Color	(LT) 11"x 8 1/2"
10	Color	(LG) 8 1/2"x 14"
11	Color	(DLT) 11"x 17"
12	N/A	OTHER
13	N/A	N/A
14	N/A	N/A
15	N/A	N/A
16	N/A	N/A

**TABLE 1: Ricoh, Savin, Lanier, Gestetner  
6-Price Machine Harness (609348-001) For 5896 Series**



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**TIMING HELP**

Please refer to your *VENDAPIN, LLC User Manual* for the proper procedure to change the timing settings described below.

**DEFINITIONS**

Sense Time – The length of pulse the *VENDAPIN, LLC 5896/5596 vending unit* will recognize. Sense time **MUST** be set shorter than the pulse length.

**Example1: Incorrect:**

The pulse length is 120ms, the sense time is set to 130ms. The *VENDAPIN, LLC 5896/5596 vending unit* will **NOT** recognize the pulse because the sense time is longer than the pulse.

**Example 2: Correct:**

The pulse length is 130ms, the sense time is set to 120ms. The *VENDAPIN, LLC 5896/5596 vending unit* will recognize the pulse because the sense time is shorter than the pulse.

Blind time – The length of time the *VENDAPIN, LLC 5896/5596 vending unit* will ignore any input pulses **AFTER** it is finished sensing the debit pulse.

Reset delay time – The amount of time from the end of the blind time to reset, or disable, the copier.



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**Knowledge Base:**

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
Multiple debits occur on a single vend	<ul style="list-style-type: none"> <li>• Sense time too short</li> <li>• Blind time too short</li> </ul>	<ul style="list-style-type: none"> <li>• Increase sense time value</li> <li>• Increase blind time value</li> </ul>
Free copies being dispensed	<ul style="list-style-type: none"> <li>• Sense time too long</li> <li>• Bypass keyswitch on</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce sense time value</li> <li>• Turn off bypass mode</li> </ul>
No debits occur	<ul style="list-style-type: none"> <li>• Reset delay too long</li> <li>• Sense time too long</li> </ul>	<ul style="list-style-type: none"> <li>• Decrease reset time</li> <li>• Decrease sense time</li> </ul>
No debit on last vend	<ul style="list-style-type: none"> <li>• Blind time too long</li> </ul>	<ul style="list-style-type: none"> <li>• Decrease blind time</li> </ul>
Paper jams (first copy)	<ul style="list-style-type: none"> <li>• Reset delay time too short</li> </ul>	<ul style="list-style-type: none"> <li>• Increase reset delay time</li> </ul>
Paper jams (one copy selected, tries to make another copy)	<ul style="list-style-type: none"> <li>• Reset delay time too long</li> <li>• Leading edge not selected</li> </ul>	<ul style="list-style-type: none"> <li>• Decrease reset delay time.</li> <li>• Select leading edge debit</li> </ul>
Card is ejected while vending device is still running, resulting in free copies.	<ul style="list-style-type: none"> <li>• Eject delay time too short</li> </ul>	<ul style="list-style-type: none"> <li>• Increase eject delay time</li> </ul>
Card takes too long to eject after job is done	<ul style="list-style-type: none"> <li>• Eject delay time too long</li> </ul>	<ul style="list-style-type: none"> <li>• Decrease eject delay time</li> </ul>
Skipped debits (debits every other copy)	<ul style="list-style-type: none"> <li>• Sense time too long</li> <li>• Blind time too long</li> </ul>	<ul style="list-style-type: none"> <li>• Decrease sense time</li> <li>• Decrease blind time</li> </ul>

**Note:** Instructions on changing blind, sense, and delay times can be found starting on page 46 of the *VENDAPIN, LLC 5896 User Manual* included with the *VENDAPIN, LLC 5896 vending unit*.



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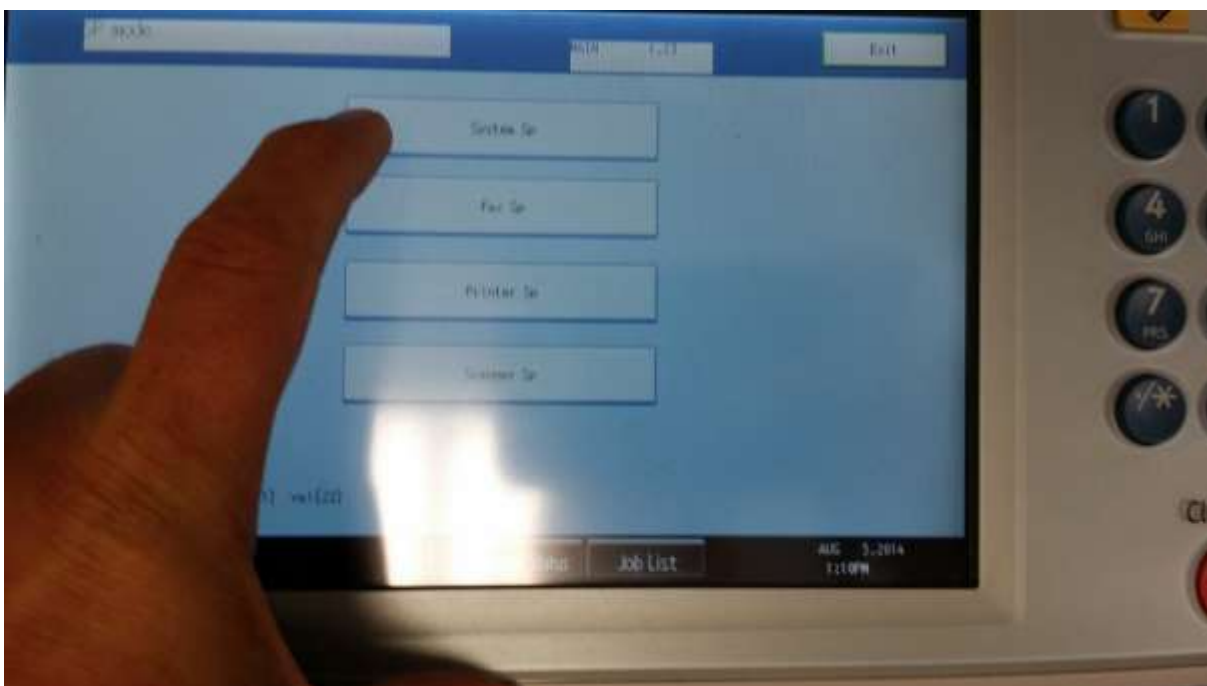
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#### Configuring a Ricoh, Savin, Lanier, Gestetner Copier for an External Vending Device

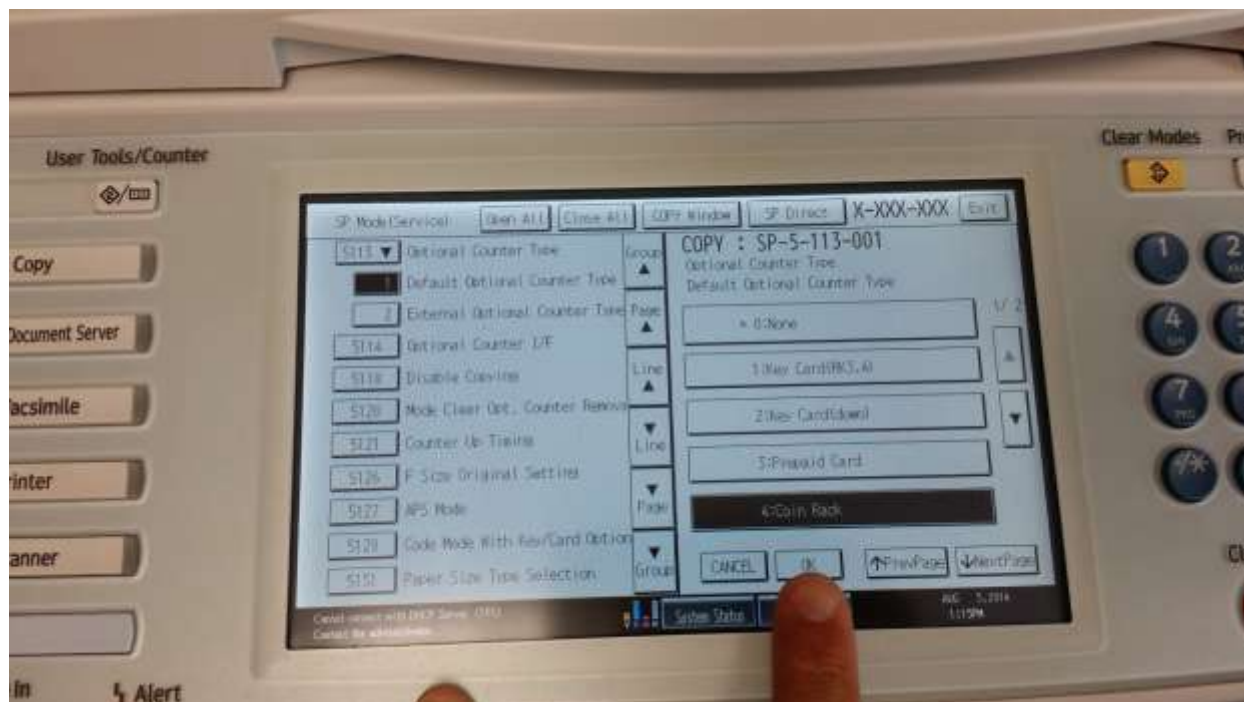
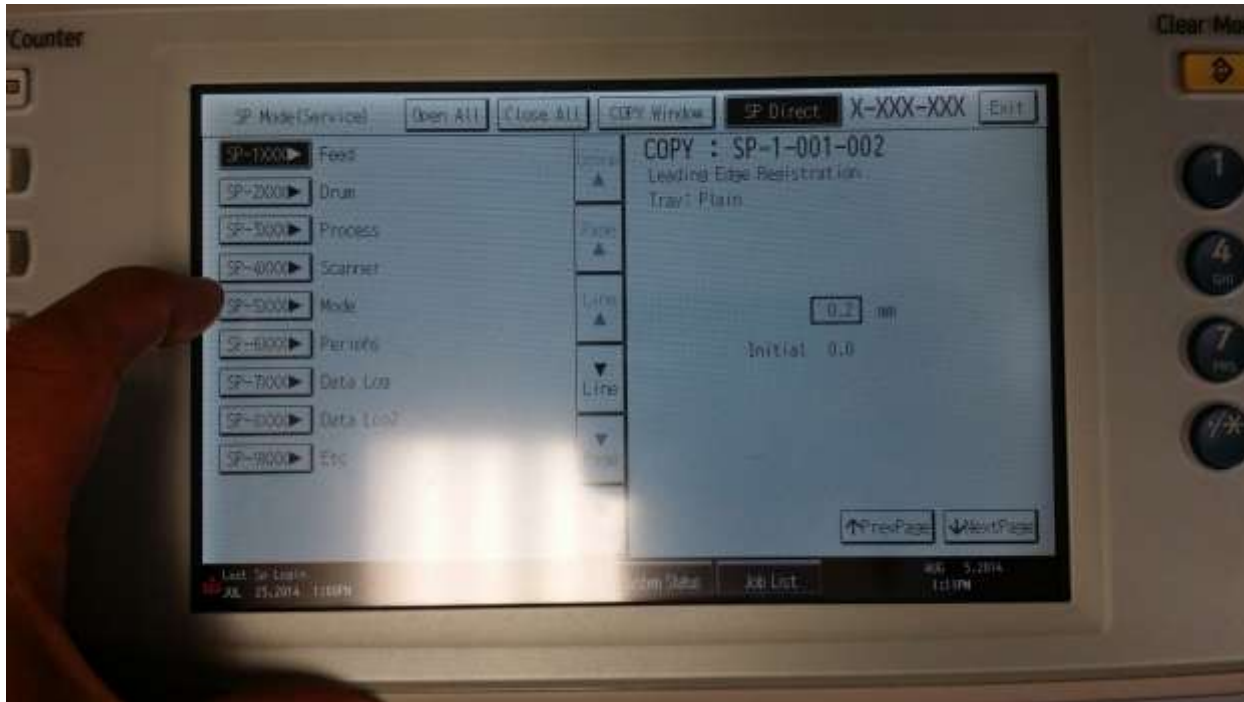
- Press *Clear Modes* keys
- type in **107** on the keypad
- Press and Hold **Clr/Stop** key
- Select **System SP**
- Select **SP5**
- Select **5113**
- Select **1 Default Optional Counter Type**
- Select **4 Coin Rack**
- Select **Exit**
- Press the **Power** button to turn off the copier
- After the copier powers down, shut off at the power switch

#### Setup which functions use the external vending device

- Select **User tools/counter**
- Select **System settings admin tools**
- Select **page 2**
- Select **External charge unit management**
- Select each item you which to control
- Select **OK**
- Select **Enter**

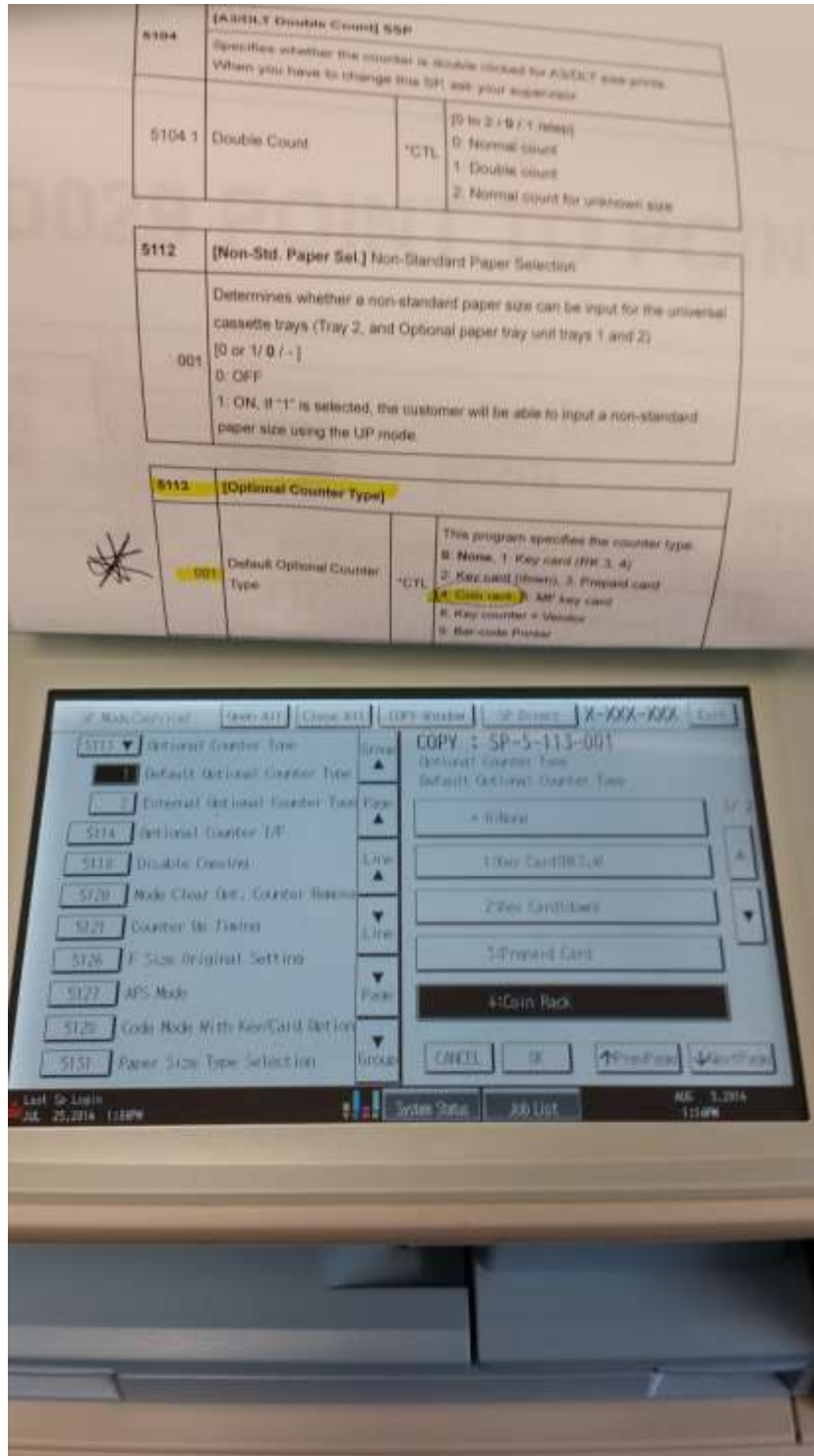


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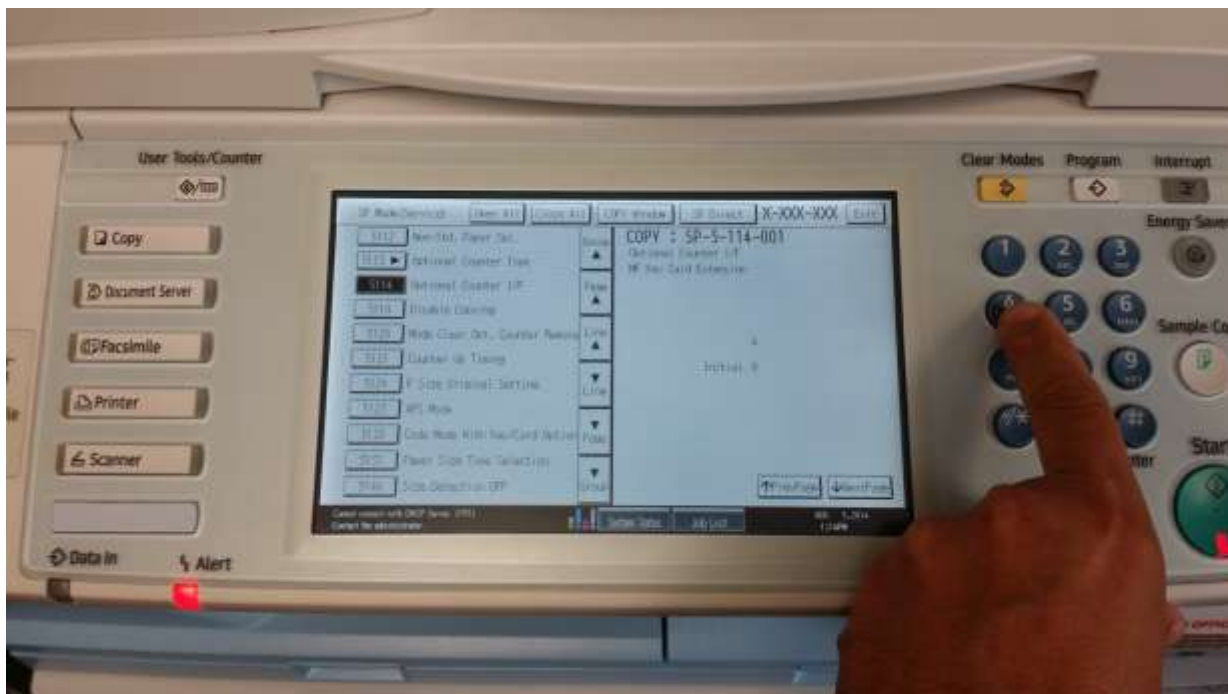
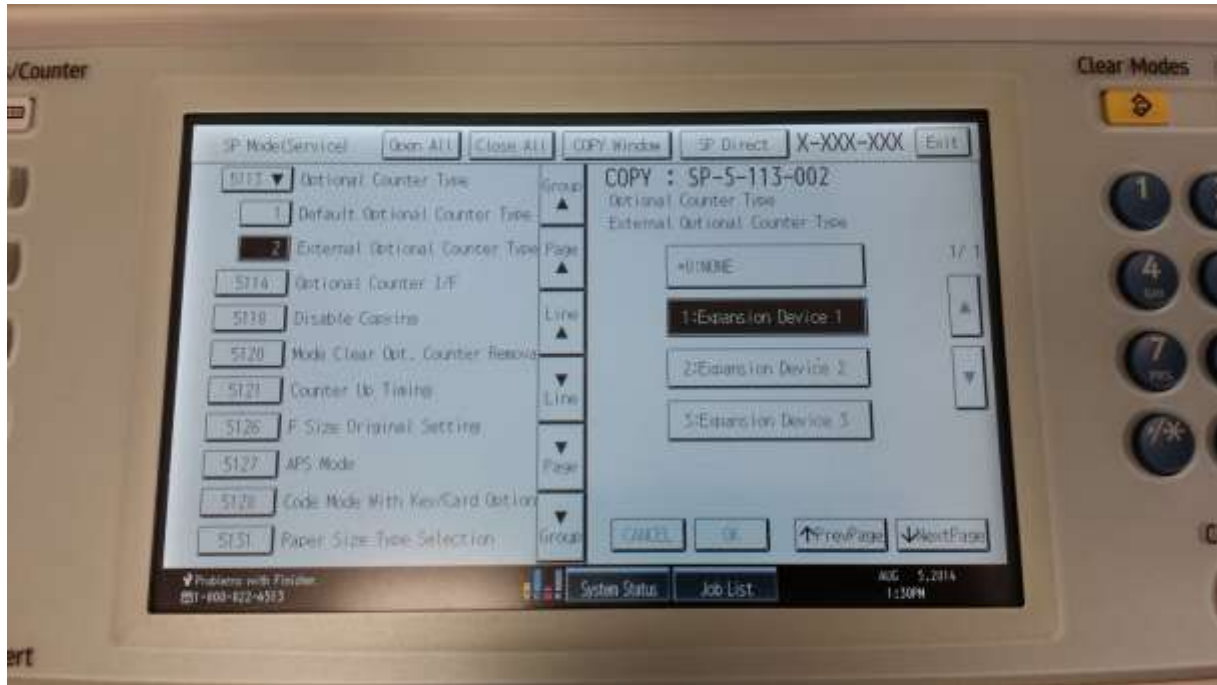




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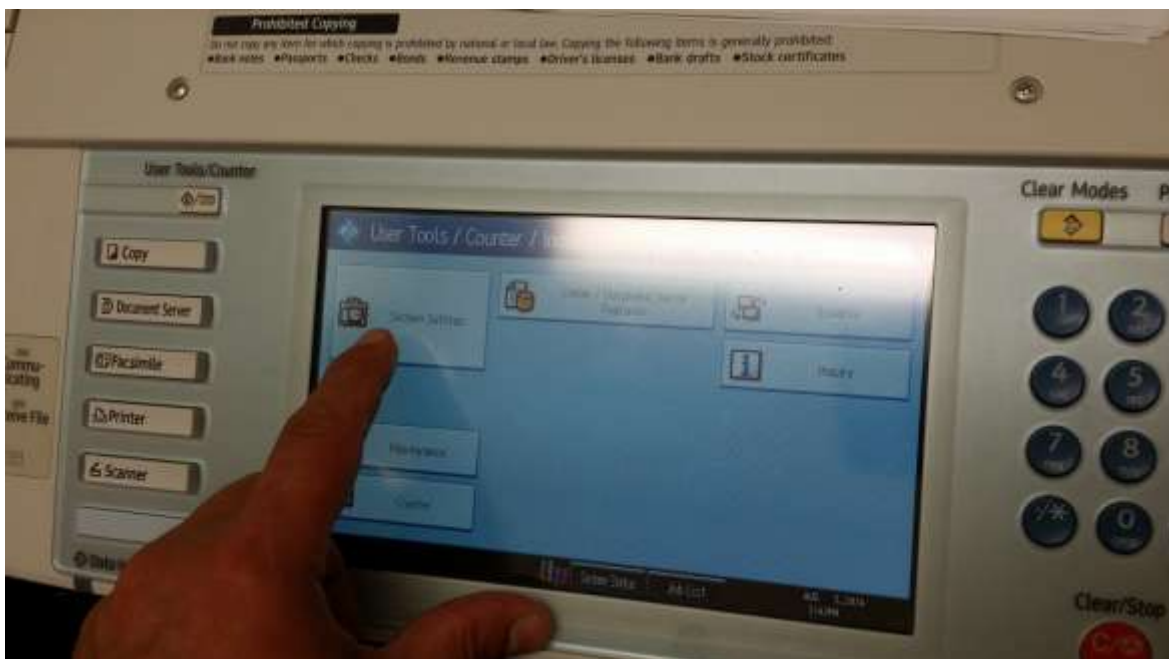
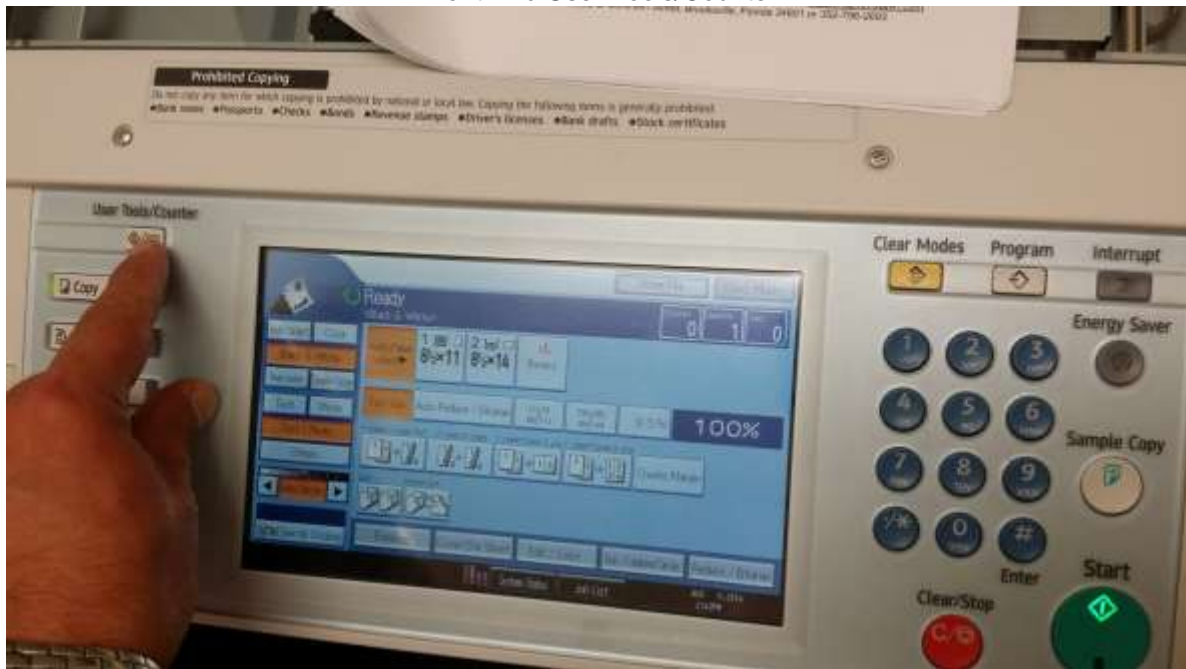


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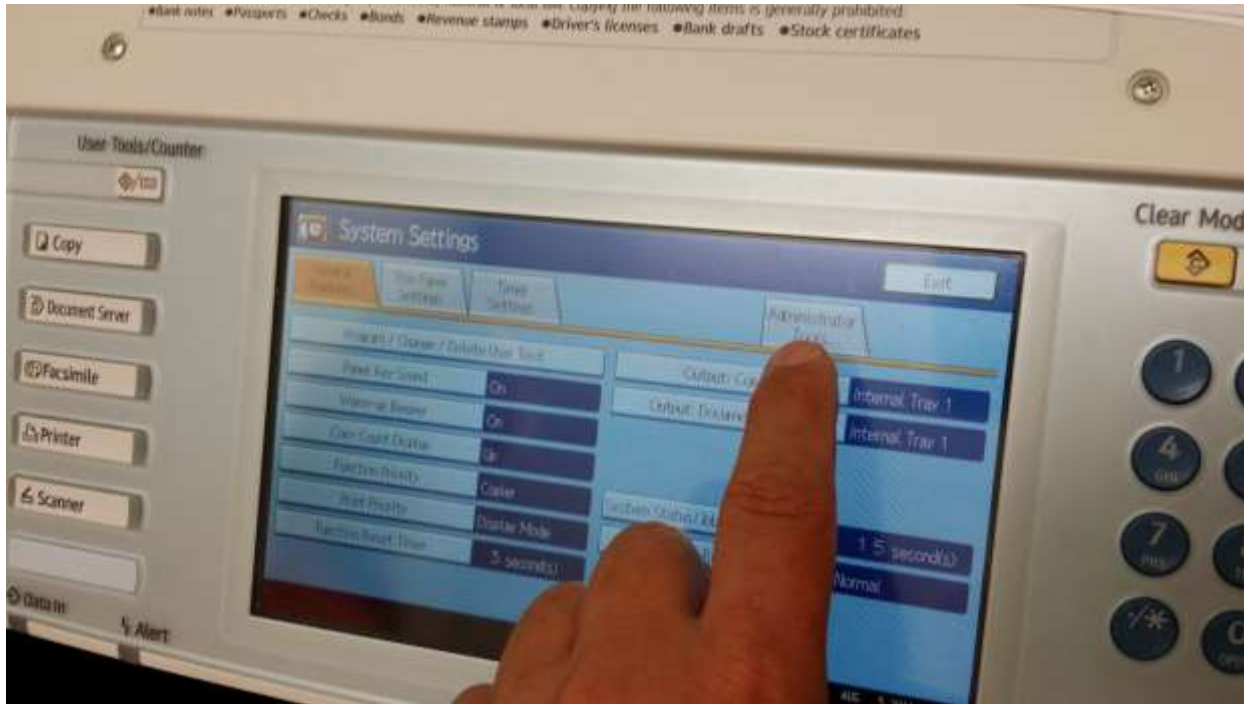


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Front-End User Tools/Counter



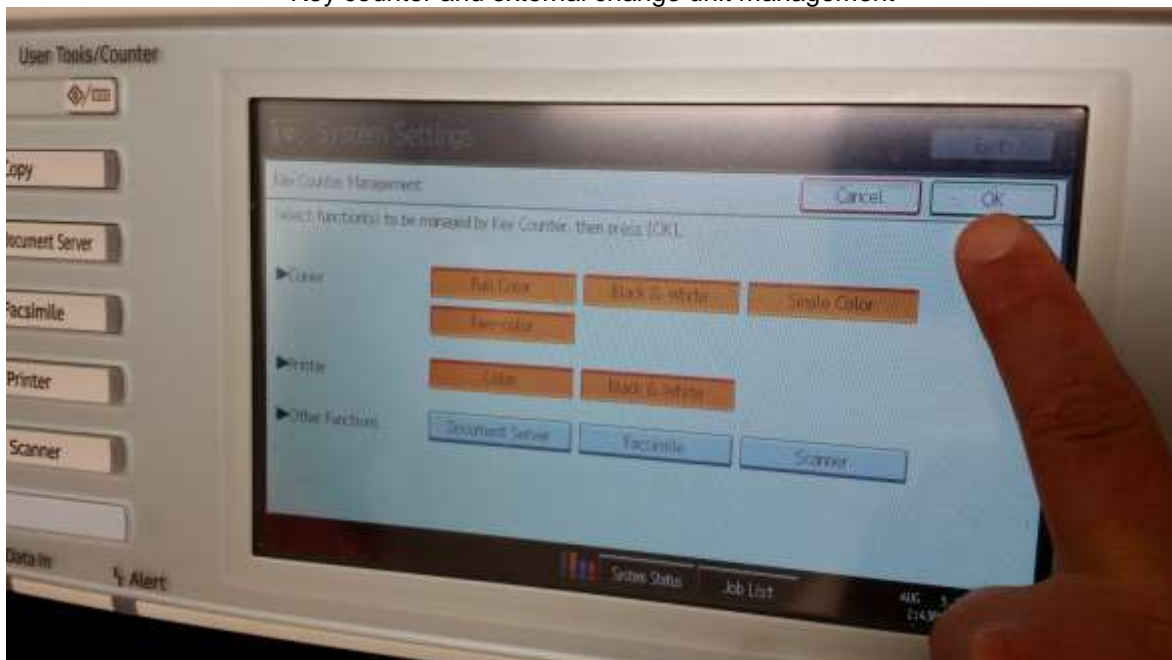
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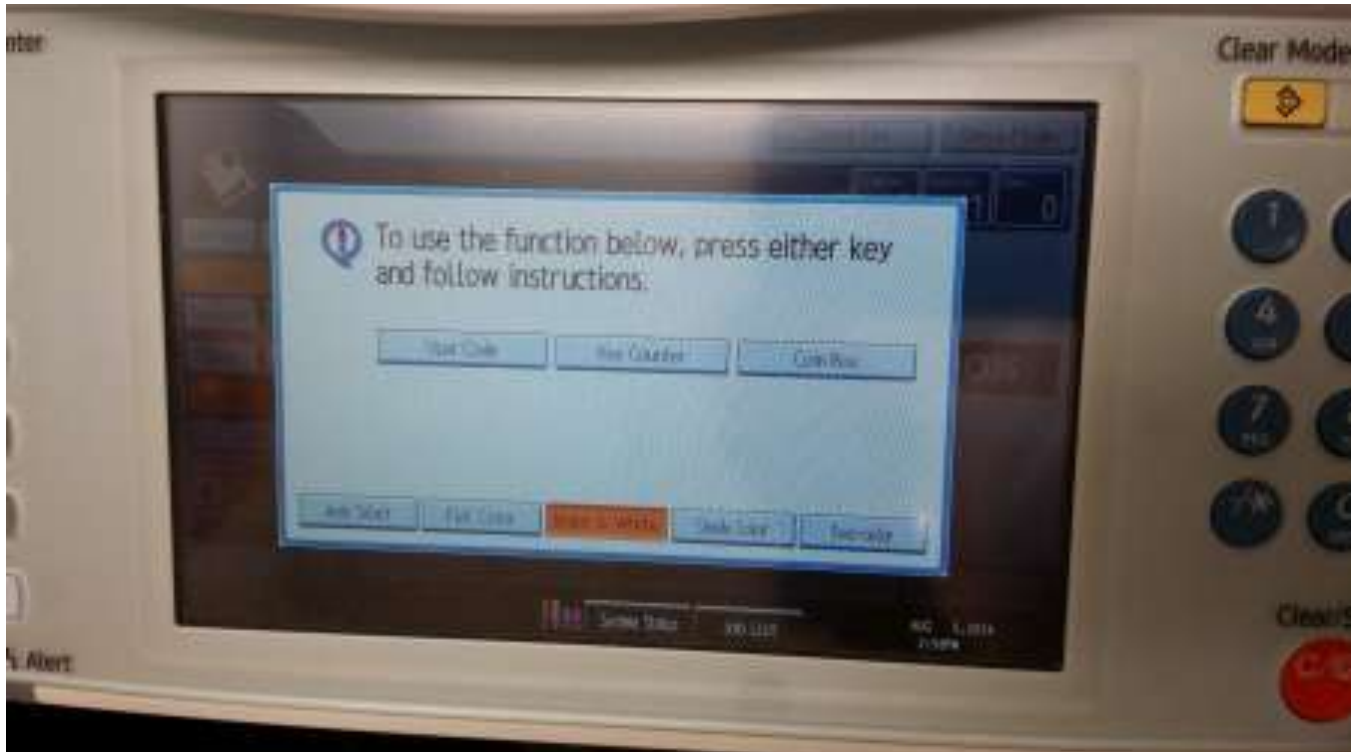
Key counter and external change unit management





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Coin Box button

If any assistance is required, please email the Technical Support Department at VENDAPIN, LLC,  
[support@vendapin.com](mailto:support@vendapin.com)