

PaperCut | PaperCut 3rd Party Hardware Payments SEM-ACS 9500S Setup Guide

This guide is designed to supplement the *PaperCut 3rd Party Hardware Payments Manual*. It provides a guide to installing, setting up and testing release station payments with a SEM-ACS 9500S device. Before commencing the hardware payments manual should be read and the general configuration steps completed. The *PaperCut 3rd Party Hardware Payments - Manual* can be downloaded from:

<https://portal.papercut.com/support/payment-gateway-guides/>

The SEM-ACS 9500S is a combination bill acceptor, coin acceptor and coin change return device. It also provides some support for stored value card reading. More information about the SEM-ACS 9500S including operations manual can be found by contacting SEM. Contact details can be found at their website:

<http://www.sem.ca/>

Setup and testing should take around 30 minutes, assuming familiarity with configuration of the device (which is not covered in this guide) and a working knowledge of PaperCut and the PaperCut release station software.

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1 Hardware Requirements

The SEM-ACS 9500S is a hardware unit with a coin acceptor, coin return tubes and optional bill/note and stored value card reader attachments. It plugs into a computer via a 9-pin serial cable and into a wall socket with a transformer for power.

NOTE: The PaperCut integration does not support connecting a credit cards reader/processor to the SEM-ACS 9500S.

SEM sells other similar units, but these have not been tested and are not currently supported. If you are interested in using other models with PaperCut please contact PaperCut Software.

Other than the hardware unit, a computer with a display and input device (keyboard with optional mouse, card reader, touchscreen with on-screen keyboard etc.) is required for running the release station software.

2 Setup and configuration

To set up the SEM-ACS 9500S device with PaperCut:

1. Set up a computer with the PaperCut release station software. For more information about setting up a release station see the file at `[app-path]/release/README.txt` on the primary server.
2. Plug the device's serial cable into the computer.
3. Find the name of the comm. port the device is plugged into. For a Windows system, open the Windows Device Manager and expand the Ports tree.

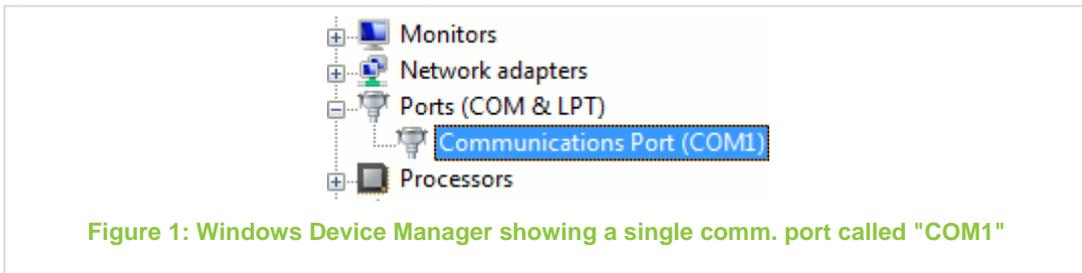


Figure 1: Windows Device Manager showing a single comm. port called "COM1"

If there are multiple ports and you are not sure which one the cable is plugged into you will need to test with each.

4. Open the file at `[app-path]/release/extensions/credit-sources/sem-ac-9500s.properties` in a text editor.
5. Update the value for the option `sem-ac-9500s.comm-port` to match your configuration. In most cases the default value of `COM1` should be correct.
6. Save and close the file.
7. Open the file at `[app-path]/release/extensions/pay-and-release.properties` in a text editor.
8. Set the `enabled` option to `Y`.
9. Set the `credit-source` option to `sem-ac-9500s` (or uncomment the existing line with that value).
10. Save and close the file.
11. Plug in the power for the SEM-ACS 9500S device and ensure it is fully configured and loaded with at least a few coins.

3 Testing

To test that the device has been configured correctly:

1. Start the release station (e.g. on Windows run `pc-release.exe`).
2. Send some print jobs so that they hold in a hold/release queue.
3. Log into the station as the user who sent the job. Note that the user must be marked as *restricted* in PaperCut (it doesn't make sense for unrestricted users to make payments).
4. The device should now become active and display a message on the LCD about inserting coins. If there was a problem connecting to the device, it will be displayed in a dialog box after a few seconds.
5. Insert some coins / bills etc. Ensure that the release station GUI is updated and displays the available amount (the same amount displayed on the device's LCD).
6. Release some jobs to ensure that they are charged correctly and that the available amount is updated. Note that the `account-charge-order` setting may specify that the user's personal account is charged before taking the amount from the device.
7. Try logging out while there is balance remaining in the session to ensure that change is returned correctly.

Experiment with the options `account-charge-order` and `give-change` in the config file `pay-and-release.properties`. Remember to restart the release station after making a change. You may like to tweak the other settings and configurable messages at this stage.

In case of problems please see the 'Troubleshooting and Investigating Overs / Unders' section of the PaperCut 3rd Party Hardware Payments Manual.

4 Go Live

Once testing has confirmed that the device is working correctly and it has been configured as required the system is ready to be made available to the users. Next steps might include setting up the device in a public location, providing information to users about how to use the system and finalizing policies related to cash collection and reconciliation.