



HP Point of Sale (POS) Peripherals Configuration Guide – ap5000 MSR (JPOS)

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1 HP Point of Sale Peripherals

1.1 HP ap5000 MSR (Magnetic Stripe Reader)



1.1.1 Connection

The MSR on the HP ap5000 system is integrated into the system which is connected internally via serial interface; default is COM4. There is no user connection required for this device.

| | ap5000 MSR |
|--------------|---------------|
| Port | COM4 |
| Baud Rate | 19200 |
| Data Bit | 8 |
| Parity | None |
| Stop Bit | 1 |
| Flow Control | Hardware |

1.1.2 Windows Drivers for the HP ap5000 MSR

Windows operating system supports serial port COM4, so no extra drivers are needed to be installed.

1.1.3 JPOS Drivers for the HP ap5000 MSR

The JPOS drivers are included in the HP Point of Sale image or can be obtained from HP POS Drivers and Documentation CD or from the HP.COM web site.

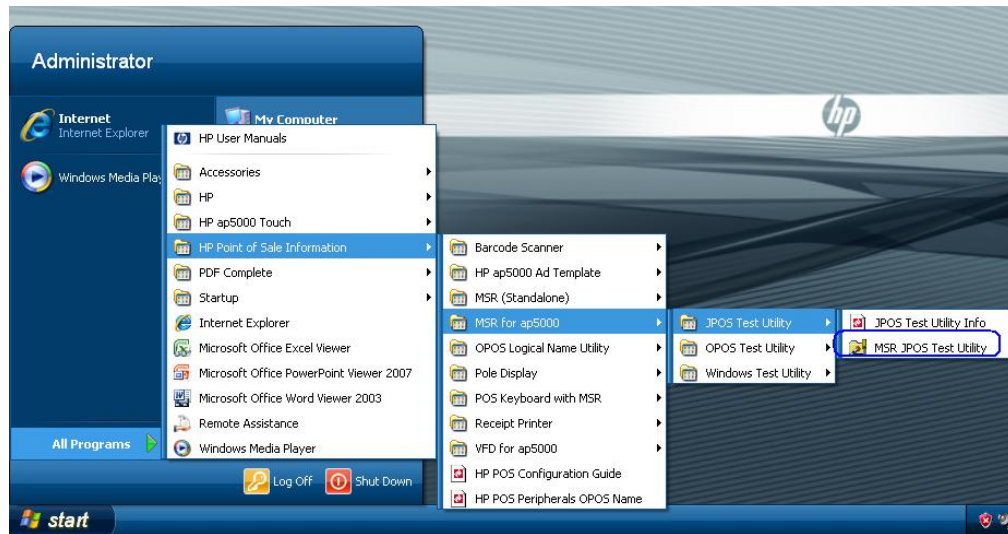
The following is overview of the steps to test the ap5000 MSR followed by details steps:

1. Start the JPOS test utility either using the link in the START MENU or by launching the POSTEST.BAT file locate in the JPOS folder in the ap5000 MSR folder.
2. Click on the "MSR" tab.
3. After clicking on the "MSR" tab.
4. Click on the "OPEN" button.
5. Click on the "CLAIM" button.

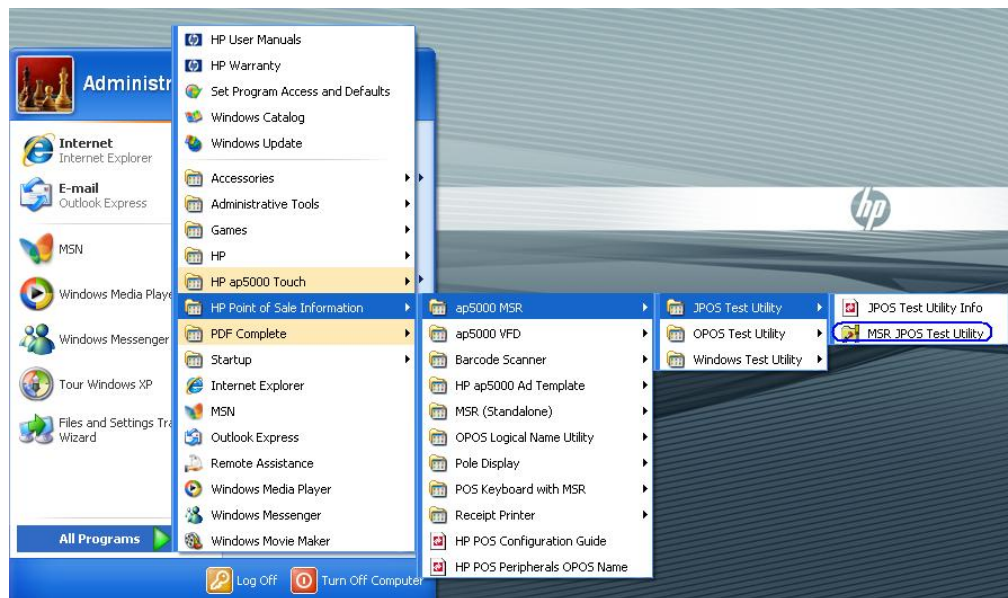
6. Check the "DATA EVENT ENABLED" so there is a check box.
7. Check the "DEVICE ENABLED" so there is a check box.
8. Swipe a credit card and text should appear in the field.
9. Click on "RELEASE" / "CLOSE" and then click "EXIT" to exit the JPOS test utility.

Detail Steps

1. Start the JPOS test utility either using the link in the START MENU:

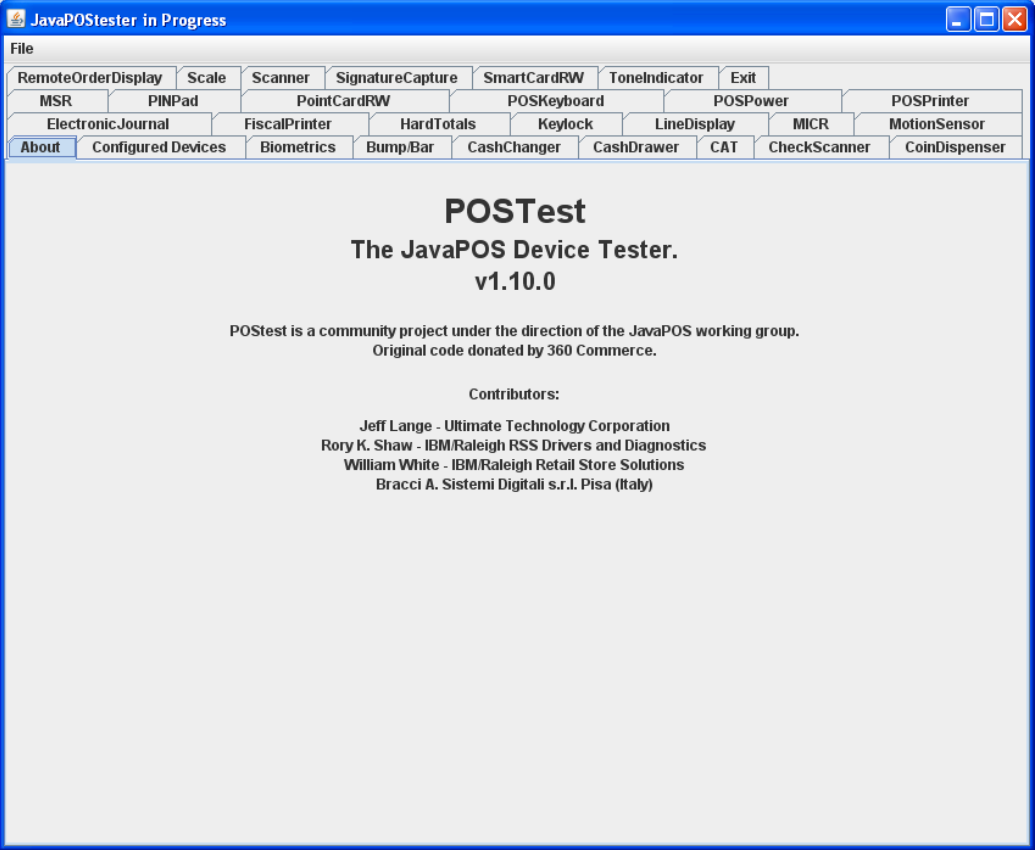


OR

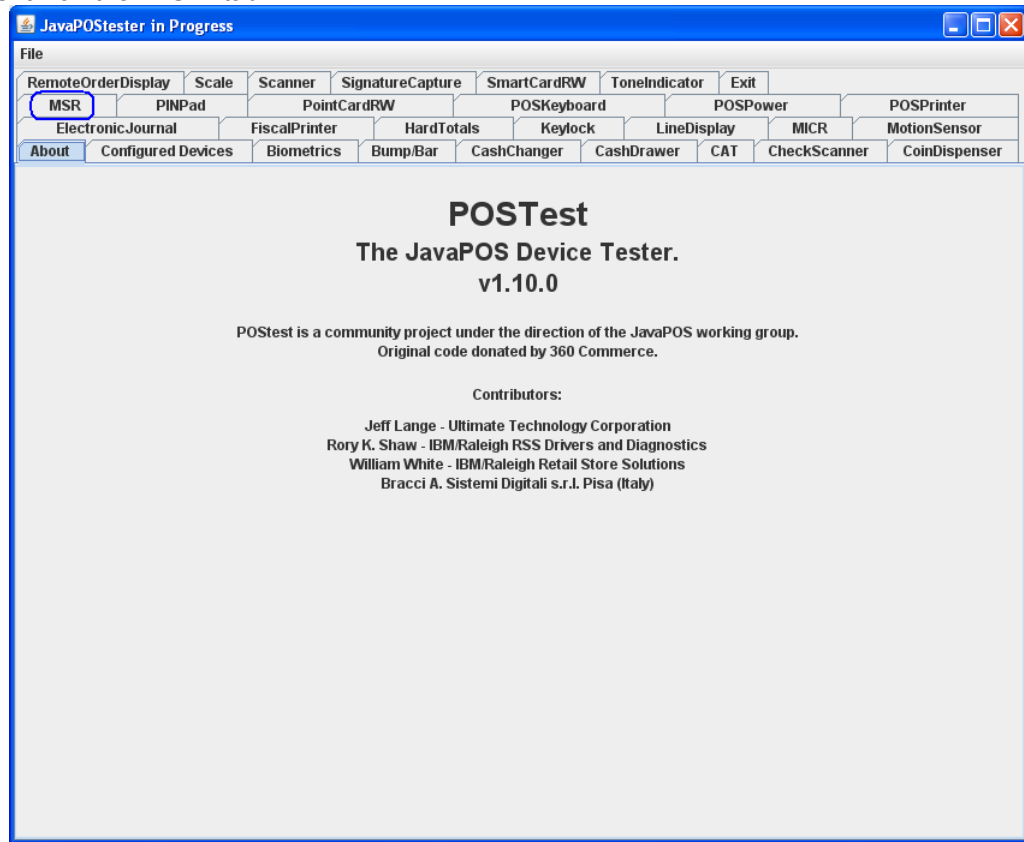


or by launching the POSTEST.BAT file that is located in the JPOS folder within the ap5000 MSR folder.

After a few seconds the JPOS test utility GUI will appear as shown below:



2. Click on the “MSR” tab:



3. After clicking on the “MSR” tab the screen should look like:

The screenshot shows the JavaPOSTester in Progress application window. The title bar reads "JavaPOSTester in Progress". The menu bar includes "File". The toolbar contains buttons for "RemoteOrderDisplay", "Scale", "Scanner", "SignatureCapture", "SmartCardRW", "ToneIndicator", and "Exit". The "MSR" tab is selected, and other tabs include "PINPad", "PointCardRW", "POSKeyboard", "POSPower", "POSPrinter", "ElectronicJournal", "FiscalPrinter", "HardTotals", "Keylock", "LineDisplay", "MICR", "MotionSensor", "About", "Configured Devices", "Biometrics", "Bump/Bar", "CashChanger", "CashDrawer", "CAT", "CheckScanner", and "CoinDispenser". Below the tabs, the "Logical name:" field contains "HPap5000MSR". To its right, the status "JPOS_S_CLOSED" is displayed. A row of buttons includes "Open", "Claim", "Release", "Close", "Info", "Statistics", "Firmware", "O/C/E", and "EXIT". On the left, a list of checkboxes includes "Auto disable", "Data event enabled", "Device enabled", "Freeze events", "Decode data", "Parse decode data", "Transmit sentinels", "Per-track error reporting", "Track 1 enabled", "Track 2 enabled", "Track 3 enabled", and "Track 4 enabled". A "Clear Input" button is below these. The "MSR Reading" section contains labels for "Track 1 Data:", "Track 2 Data:", "Track 3 Data:", "Track 4 Data:", "Account number:", "Expiration date:", "Title:", "First name:", "Middle initial:", "Surname:", "Suffix:", "Service Code:", "Track 1 discretionary data:", "Track 2 discretionary data:", and "Data Count:". Each label is followed by a text input field. At the bottom right of this section are "Clear Fields" and "Refresh Fields" buttons.

The logical name of the device is “HPap5000MSR” which should appear in the logical name field. If another name is present, change the logical name to “HPap5000MSR”. If one clicks on the “Configured Device” tab, the names for the device will appear that will be used in the test utility.

4. Click on the “OPEN” button.
5. Click on the “CLAIM” button.

JavaPOSTester in Progress

File

RemoteOrderDisplay Scale Scanner SignatureCapture SmartCardRW ToneIndicator Exit

MSR PINPad PointCardRW POSKeyboard POSPower POSPrinter

ElectronicJournal FiscalPrinter HardTotals Keylock LineDisplay MICR MotionSensor

About Configured Devices Biometrics Bump/Bar CashChanger CashDrawer CAT CheckScanner CoinDispenser

Logical name: HPap5000MSR JPOS_S_IDLE

Open Claim Release Close Info Statistics Firmware O/C/E EXIT

☐ Auto disable

☐ Data event enabled

☐ Device enabled

☐ Freeze events

☒ Decode data

☒ Parse decode data

☐ Transmit sentinels

☐ Per-track error reporting

☐ Track 1 enabled

☐ Track 2 enabled

☐ Track 3 enabled

☐ Track 4 enabled

Clear Input

MSR Reading

Track 1 Data: 0

Track 2 Data: 0

Track 3 Data: 0

Track 4 Data: 0

Account number:

Expiration date:

Title:

First name:

Middle initial:

Surname:

Suffix:

Service Code:

Track 1 discretionary data:

Track 2 discretionary data:

Data Count: 0

Clear Fields Refresh Fields

6. Check the "DATA EVENT ENABLED" so there is a check box.
7. Check the "DEVICE ENABLED" so there is a check box.

JavaPOSTester in Progress

File

RemoteOrderDisplay Scale Scanner SignatureCapture SmartCardRW ToneIndicator Exit

MSR PINPad PointCardRW POSKeyboard POSPower POSPrinter

ElectronicJournal FiscalPrinter HardTotals Keylock LineDisplay MICR MotionSensor

About Configured Devices Biometrics Bump/Bar CashChanger CashDrawer CAT CheckScanner CoinDispenser

Logical name: HPap5000MSR JPOS_S_IDLE

Open Claim Release Close Info Statistics Firmware O/C/E EXIT

☐ Auto disable

☒ Data event enabled

☒ Device enabled

☐ Freeze events

☒ Decode data

☒ Parse decode data

☐ Transmit sentinels

☐ Per-track error reporting

☐ Track 1 enabled

☐ Track 2 enabled

☐ Track 3 enabled

☐ Track 4 enabled

Clear Input

MSR Reading

Track 1 Data: 0

Track 2 Data: 0

Track 3 Data: 0

Track 4 Data: 0

Account number:

Expiration date:

Title:

First name:

Middle initial:

Surname:

Suffix:

Service Code:

Track 1 discretionary data:

Track 2 discretionary data:

Data Count: 0

Clear Fields Refresh Fields

- JavaPOSTester in Progress**

File

| | | | | | | |
|--------------------|--------------------|-------------|------------------|-------------|---------------|---------------|
| RemoteOrderDisplay | Scale | Scanner | SignatureCapture | SmartCardRW | ToneIndicator | Exit |
| MSR | PINPad | PointCardRW | POSKeyboard | POSPower | POSPrinter | |
| ElectronicJournal | FiscalPrinter | HardTotals | Keylock | LineDisplay | MICR | MotionSensor |
| About | Configured Devices | Biometrics | BumpBar | CashChanger | CashDrawer | CAT |
| | | | | | | CheckScanner |
| | | | | | | CoinDispenser |

Logical name: HPap5000MSR JPOS_S_IDLE

| | | | | | | | | |
|------|-------|---------|-------|------|------------|----------|-------|------|
| Open | Claim | Release | Close | Info | Statistics | Firmware | O/I/E | EXIT |
|------|-------|---------|-------|------|------------|----------|-------|------|

☐ Auto disable
☒ Data event enabled
☒ Device enabled
☐ Freeze events
☒ Decode data
☒ Parse decode data
☐ Transmit sentinels
☐ Per-track error reporting
☐ Track 1 enabled
☐ Track 2 enabled
☐ Track 3 enabled
☐ Track 4 enabled

Clear Input

MSR Reading

| Track | Data |
|-----------------------------|--|
| Track 1 Data: | 0 x0000000000000000<TEST/P ^y000000000000x |
| Track 2 Data: | 0 x0000000000000000==x000000000000x |
| Track 3 Data: | 0 |
| Track 4 Data: | 0 |
| Account number: | x0000000000000000x |
| Expiration date: | x00x |
| Title: | |
| First name: | TEST |
| Middle initial: | |
| Surname: | P |
| Suffix: | |
| Service Code: | |
| Track 1 discretionary data: | |
| Track 2 discretionary data: | |
| Data Count: | 0 |

Clear Fields **Refresh MICR**

9. Click on “RELEASE” / “CLOSE” and then click “EXIT” to exit the JPOS test utility.

JavaPOSTester in Progress

File

RemoteOrderDisplay Scale Scanner SignatureCapture SmartCardRW ToneIndicator Exit

MSR PINPad PointCardRW POSKeyboard POSPower POSPrinter

ElectronicJournal FiscalPrinter HardTotals Keylock LineDisplay MICR MotionSensor

About Configured Devices Biometrics Bump/Bar CashChanger CashDrawer CAT CheckScanner CoinDispenser

Logical name: HPap5000MSR JPOS_S_CLOSED

Open Claim Release Close Info Statistics Firmware O/C/E EXIT

☐ Auto disable

☒ Data event enabled

☒ Device enabled

☐ Freeze events

☒ Decode data

☒ Parse decode data

☐ Transmit sentinels

☐ Per-track error reporting

☐ Track 1 enabled

☐ Track 2 enabled

☐ Track 3 enabled

☐ Track 4 enabled

Clear Input

MSR Reading

| | | | |
|---------------|---|---|----------------------|
| Track 1 Data: | 0 | XXXXXXXXXXXXXXXXXXXX*TEST/P | XXXXXXXXXXXXXXXXXXXX |
| Track 2 Data: | 0 | XXXXXXXXXXXXXXXXXXXX=XXXXXXXXXXXXXXXXXXXX | |
| Track 3 Data: | 0 | | |
| Track 4 Data: | 0 | | |

Account number: XXXXXXXXXXXXXXXXXXXX

Expiration date: XXXX

Title:

First name: TEST

Middle initial:

Surname: P

Suffix:

Service Code:

Track 1 discretionary data:

Track 2 discretionary data:

Data Count: 0

Clear Fields Refresh Fields