



HP Point of Sale (POS) Peripherals Configuration Guide – ap5000 MSR Windows (non-OPOS)

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Contents

1	HP Point of Sale Peripherals	4
1.1	HP ap5000 MSR (Magnetic Stripe Reader)	4
1.1.1	Connection	4
1.1.2	Windows Drivers for the HP ap5000 MSR	4
1.1.3	Testing HP ap5000 MSR.....	4
1.1.3.1	Testing HP ap5000 MSR in non-OPOS mode.....	4
2	Q & A.....	9
2.1	HP ap5000 MSR	9

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	None

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 Testing HP ap5000 MSR

1.1.3.1 Testing HP ap5000 MSR in non-OPOS mode

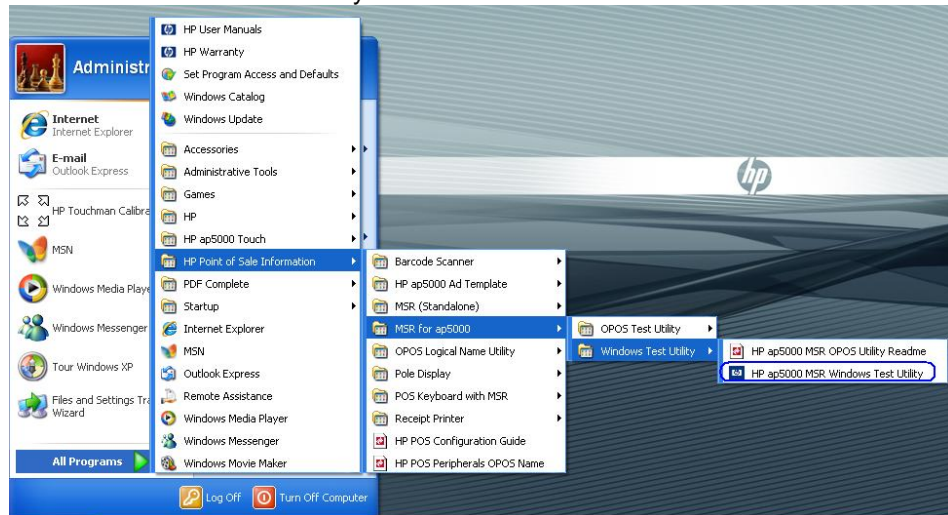
The following is overview of the steps to test the ap5000 MSR followed by details steps:

1. Start the non-OPOS test utility from Windows start menu.
2. Select the COM port from the drop down box or keep the default option of "Auto" which will search for the ap5000 MSR device. Click on the "Test Mode" button to start the test.

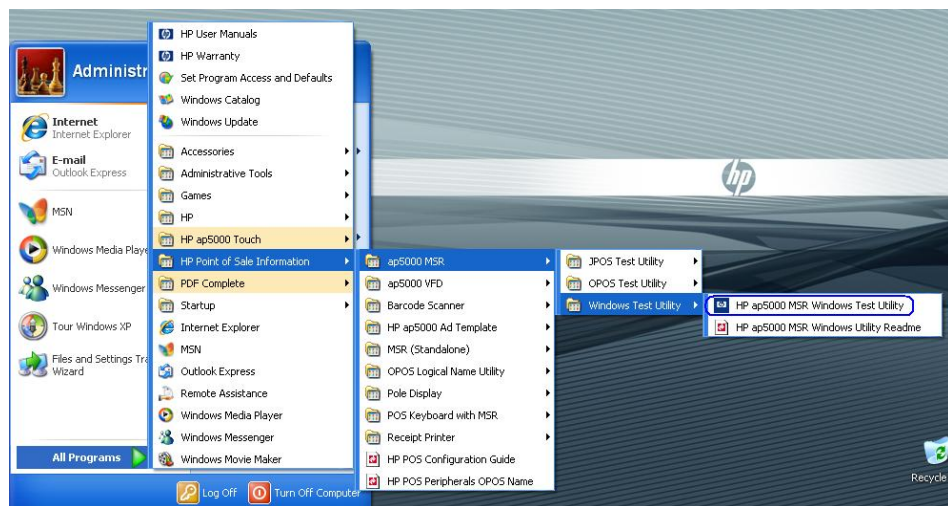
3. When the “Test Mode” has been selected the COM port will appear and in the GUI title bar “(Test Mode)” will appear. At this point when one swipes a card in the ap5000 MSR, the data will appear in the test utility.
4. To exit the application:
 - a. Click “Test Mode” so “(Test Mode)” does not appear in the title of the GUI.
 - b. Click on “Exit” to close test applet.

Detail Steps

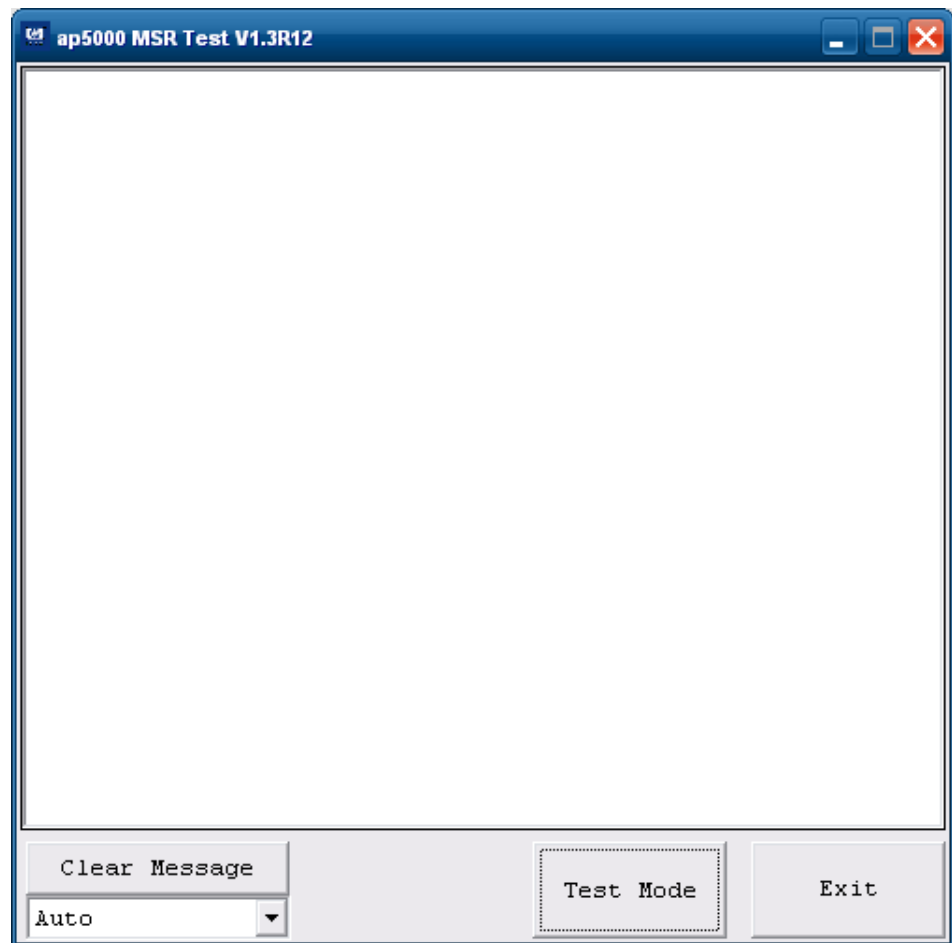
1. Start the non-OPOS test utility from Windows start menu.



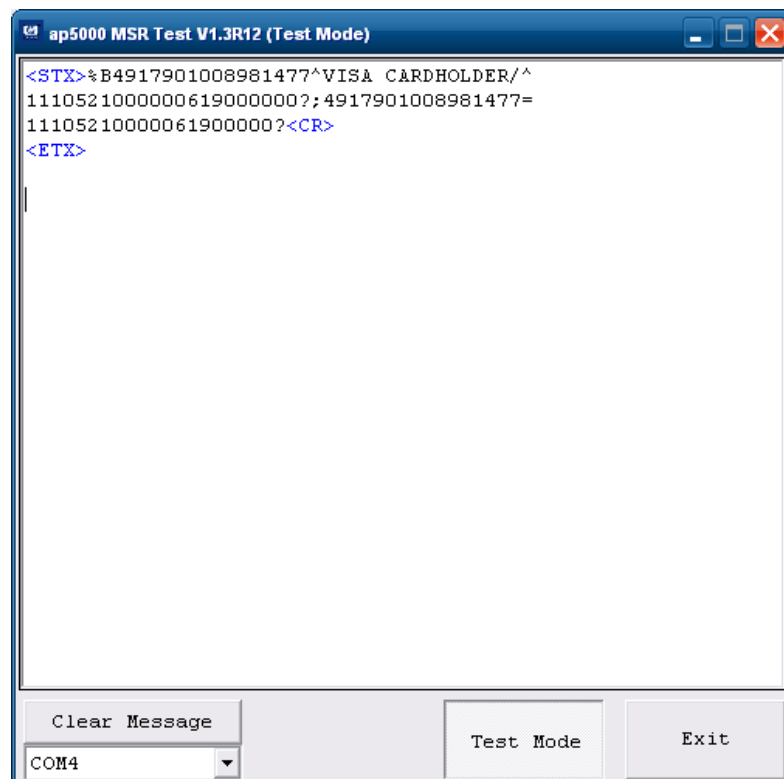
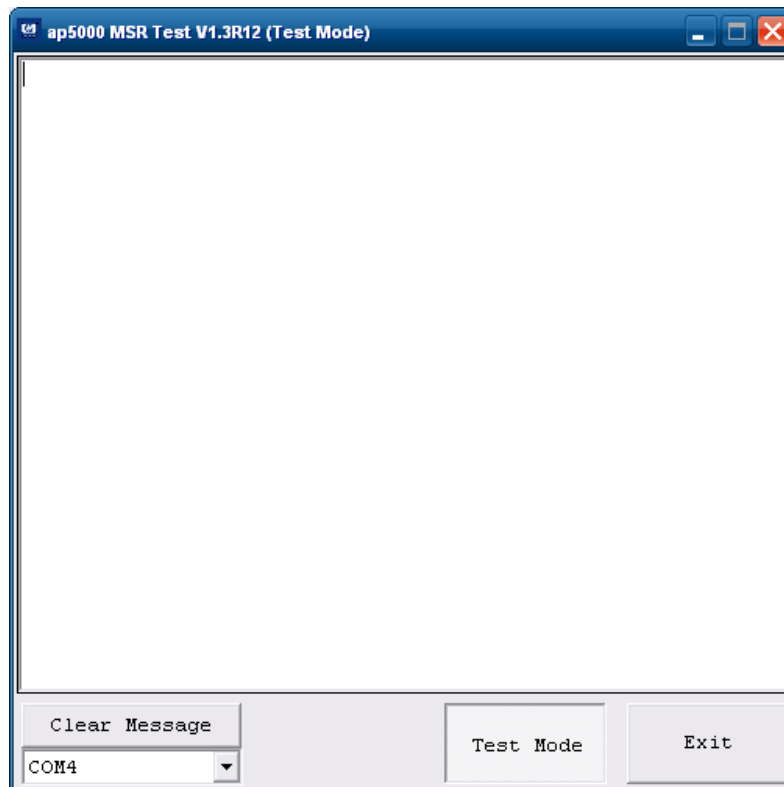
or



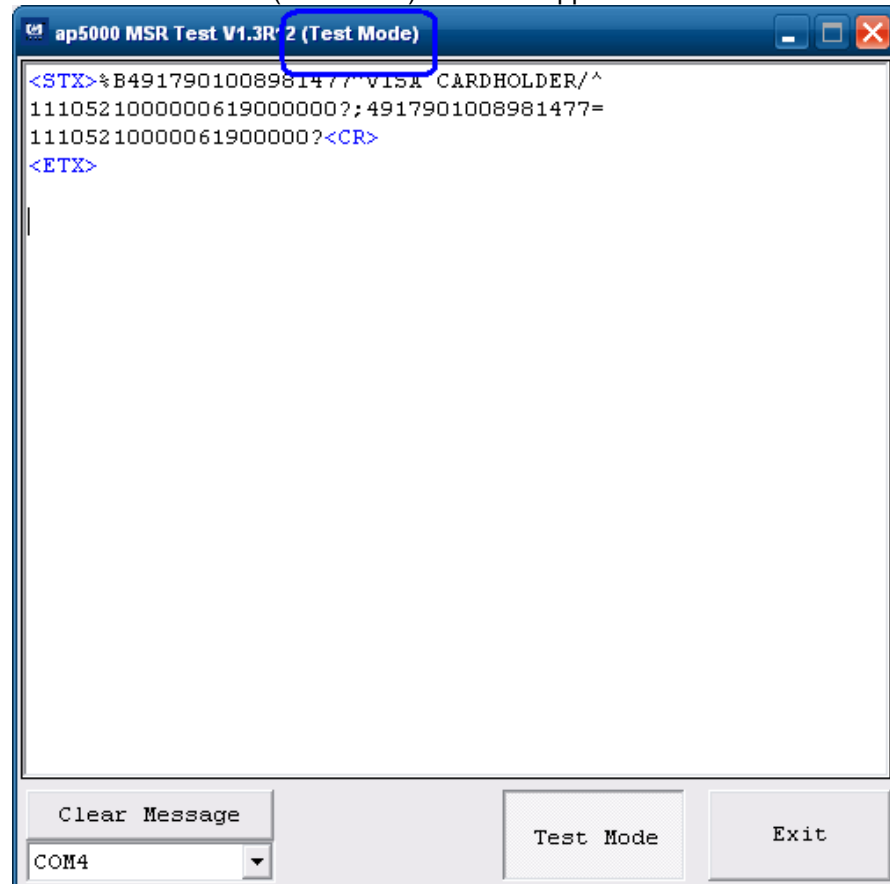
2. Select the COM port from the drop down box or keep the default option of “Auto” which will search for the ap5000 MSR device. Click on the “Test Mode” button to start the test.



3. When the “Test Mode” has been selected the COM port will appear and in the GUI title bar “(Test Mode)” will appear. At this point when one swipes a card in the ap5000 MSR, the data will appear in the test utility.



4. To exit the application:
 - a. Click "Test Mode" so "(Test Mode)" does not appear in the title of the GUI.



- b. Click on "Exit" to close test applet.

2 Q & A

2.1 HP ap5000 MSR

Question: What port is the MSR attached to?

Answer: The ap5000 MSR as shipped from the HP factory is shipped on COM4.

Question: When I open Notepad and swipe a card nothing appears in Notepad, why?

Answer: The ap5000 MSR is attached a serial port; it is not a USB HID keyboard (wedge) device. In order to have data appear in Notepad one may run a third party utility that takes data from the serial port and sends via keyboard. For XP / WePOS / POSReady there is serial key option that can be enabled, for Vista / Win7 a third party utility must be used. Please check with point of application if they support serial MSR which would be preferred over serial key option or third party application.

Question: My application needs a carriage return after track 2, how can I add carriage return after track 2?

Answer: One can use the ap5000 MSR configuration to enable a carriage return on track 2. The ap5000 MSR configuration utility may be obtained from HP.COM or from the HP Point of Sale Driver and Documentation CD.