OPOS Demo AP

USER'S GUIDE

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Trademarks

1. Introduction

The **OPOS MSR Test** is an application that can be applied to test the OPOS compliance of the MSR. It is fully compliant with **UPOS 1.12** standard.

For further information on OPOS, please refer to "UnifiedPOS Retail Peripheral Architecture Version 1.12" specification.

2. Application(OPOS MSR Test) Installation

The program can be easily installed on any supported Windows operating system:

- Execute the installer file, for instance, "MSROPX1O.exe"

- Follow the on-screen instructions to complete the installation

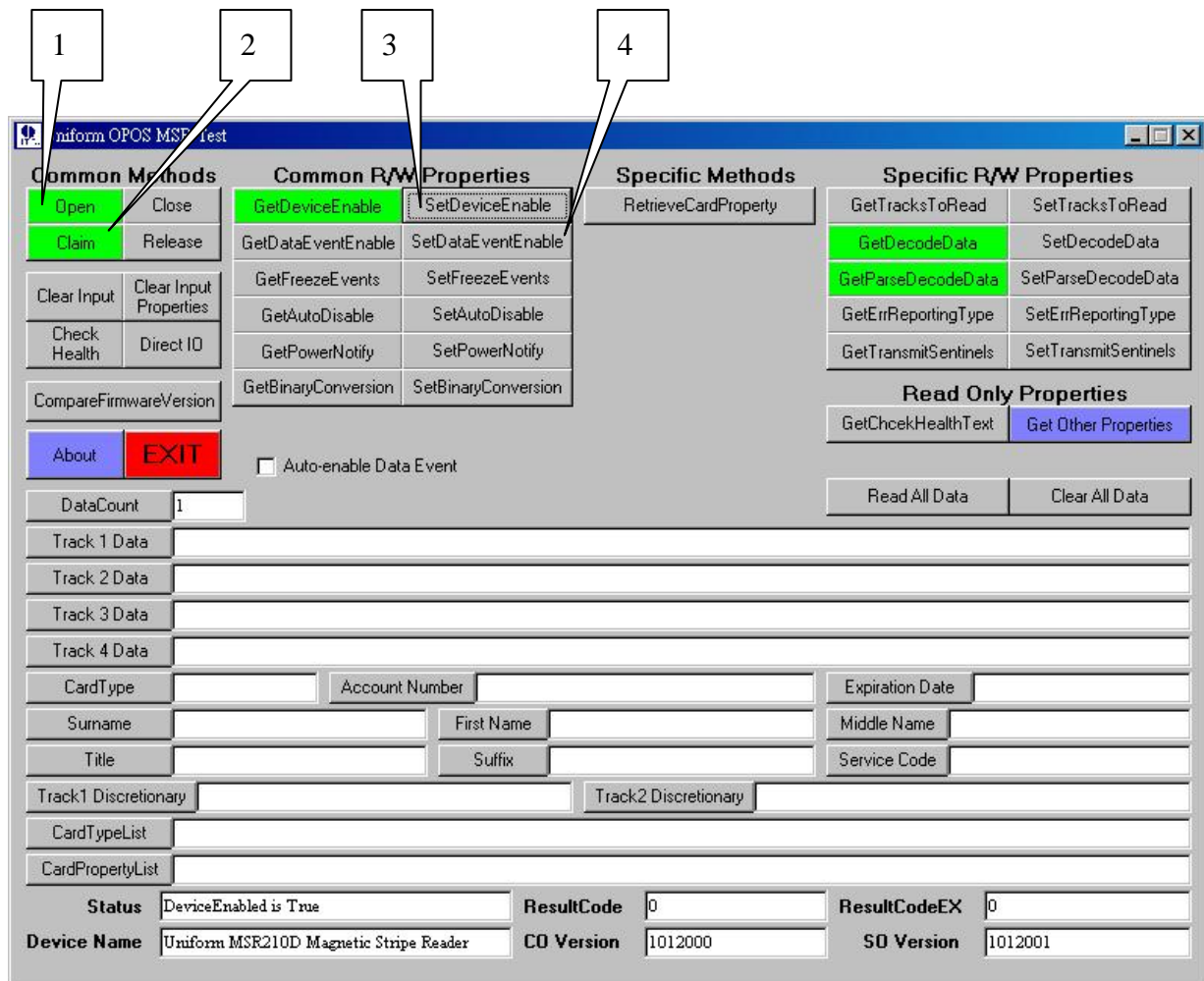- To run the program click **Start > Programs > MSR Test > MSR Test**

Notice:

In addition to the Demo application, the installation will install the OPOS Common Control Objects version 1.12 to user's system so additional control objects are not needed if only for demo usage.
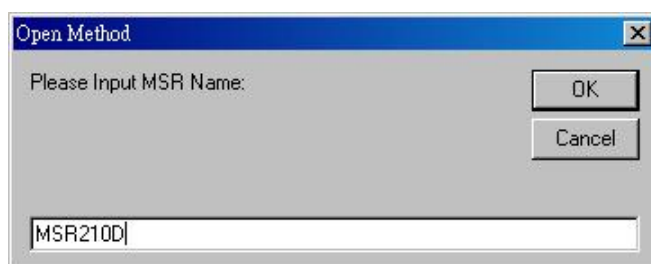
3. How to use this program

This section guides you how to successfully read the magnetic stripe card data.

3.1 Operation Procedures

1. Click the **Open** button first, a dialog box as below will pop-up. Please enter an appropriate
   *device name, and then click **OK**.

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* The names of OPOS devices set in Windows Registry

2. After the device is opened, click on **Claim** button to gain exclusive access to the device.
   (Note: Then the device is disabled for other application)

3. Click the **SetDeviceEnable** button to make the device operational.
   Now the application is ready to receive input from the device, you can swipe a credit card to
   read card data.

4. After reading card, click **SetDataEventEnable** to get the track data.

Click this button to get other read-only properties as shown in section 3.3

Magnetic Stripe Card Data

Status field: Display the Event return code

Please Note:

Option "Auto-enable Data Event" causes the demo AP to always re-enable DataEventEnable.

As to other Methods and Properties, please refer to "UnifiedPOS Specification v1.12" for details.

3.2 About the OPOS control
How an application uses an OPOS control

Basically, the application follows this general sequence:

- Call **Open** method
- Call **ClaimDevice** method
- Set **DeviceEnabled** property to TRUE
- Use the device
- Set **DeviceEnabled** property to FALSE to disable the device
- Call **ReleaseDevice** method to release exclusive access to the device
- Call **Close** method to release the Service Object from the Control Object

3.3 Read Only Properties

OPOS MSR Read Only Properties

Common Read Only Properties

CapCompareFirmwareVersion	True	Claimed	True
CapPowerReporting	OPOS_PR_NONE	OpenResult	Success
CapStatisticsReporting	False	PowerState	OPOS_PS_UNKNOWN
CapUpdateFirmware	False	State	OPOS_S_IDLE
CapUpdateStatistics	False		

ControlObjectDescription: OPOS MSR Control 1.12.000 [Public, by CRM/RCS-Dayton]

ServiceObjectDescription: MSR210D OPOS Service Object Ver.210OPS1Y, (C) 2009 Uniform

DeviceDescription: Uniform MSR210D, USB HID Keyboard

MSR Specific Read Only Properties

CapCardAuthentication	None	AdditionalSecurityInformation	None
CapDataEncryption	MSR_DE_NONE	CardAuthenticationData	None
CapDeviceAuthentication	MSR_DA_NOT_SUPPORTED	CardAuthenticationDataLength	0
CapISO	True		
CapJISOne	True		
CapJISTwo	False		
CapTrackDataMasking	False		
CapTransmitSentinels	True		
CapWritableTracks	MSR_TR_NONE		

OK

3.4 EXIT

To quit the program, perform the following steps.