

NorthStar Age Verification

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» [NorthStar Age Verification](#)

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Summary

The purpose of this document is to describe the functionality and installation process of the NorthStar Age Verify application.

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Overview

NorthStar Age Verify is an age verification application that reads the magnetic strip of a customer's drivers license to determine whether or not the customer is of age to purchase alcohol (currently set to 21).

Ready to Scan...

State

ID #

Expires

Age

DOB

Name

Address

Reset Exit

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Technology and Technology

The technology used was based on the available technology of the POS terminal (Windows XP Pro with Microsoft.NET 1.1) to ensure a small footprint and installation requirement. As such, NorthStar Age Verification was built using the following tools and technology:

- Microsoft Visual Studio 2003
- Microsoft.NET 1.1
- VB.NET
- OPOS Common Controls ([OPOS Common Controls](#))
 - Legal: "Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely..."

The setup package installs the following files (540k):

- AgeVerify.exe (main application file)
- AgeVerify.exe.config (configuration file)
- AxInterop.OposMSR_CCO.dll (support file)
- Interop.OposMSR_CCO.dll (support file)
- OPOSMSR.ocx (OPOS Common Control support file)

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Installation and Configuration

There are three steps to installation and configuration of the NorthStar Age Verification application:

1. Configure an OPOS Magnetic Strip Reader (MSR) device on the terminal.
2. Install, configure, and verify NorthStar Age Verification.
3. Configure an external application button in POSitouch.

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OPOS Configuration

Use the following steps to configure OPOS.

1. IBM OLE for Retail Point of Sale (OPOS) must be installed and configured on the terminal.
2. Launch the IBM OPOS Configuration utility. (Typically, **Start -> Programs -> IBM OLE for Retail Point of Sale -> Configuration Utility.**)
3. Click the **SurePOS 300/500/600, Kiosk** tab.

4. Locate and click to highlight an **MSR** device that has a status of **Available**.

The screenshot shows the IBM OPOS Configuration window with the following table of devices:

Device Type	Description	Device Name	Status	Com Port	Baud Rate	Control Flow
Cash Drawer	SurePOS 500/600 Cash ...	IBMCashDrawer.3	Configured	4	9600	DTR/DSR
Cash Drawer	SurePOS 500/600 Cash ...	IBMCashDrawer.2	Configured	4	9600	DTR/DSR
Cash Drawer	SurePOS 300 Cash Dre...		Available			
Cash Drawer	SurePOS 500/600 Cash ...		Available	4	9600	DTR/DSR
Line Display	SurePOS Line Display	IBMLineDisplay.1	Configured	4	9600	DTR/DSR
Line Display	SurePOS Line Display		Available	4	9600	DTR/DSR
Motion Sensor	SurePOS Motion Sensor		Available			
MSR	SurePOS MSR	IBMMSR.2	Configured	3	19200	XON/XOFF
MSR	SurePOS MSR		Available	3	19200	XON/XOFF
Tone Indicator	System Tone		Online			

Legend: Available (black square), Online (red square), Configured (blue square), Ready (green square)

Buttons: Configure, Test, Remove, Clear Results

NOTE: The **Com Port** and **Baud Rate** may differ on your terminal.

- Click the **Configure** button. The **Device Properties** dialog box displays.

The screenshot shows a 'Device Properties' dialog box with the following settings:

- Device Type: MSR
- Description: SurePOS MSR
- Device Name: CBSMSR.1
- Com Port: 3
- Baud Rate: 19200
- Control Flow: XON/XOFF
- Type: ISO

- In the **Device Name** field, CBSMSR.1 (Or another unique name). **DO NOT CHANGE ANY OF THE OTHER SETTINGS.**
- Click the **OK** button. The dialog closes. The **Status** of the item updates to *Configured* and the Device Name displays the name that you configured.

Cash Drawer	SurePOS 500/600 Cash ...	IBMCashDrawer.3	Configured	4	9600	DT
Cash Drawer	SurePOS 500/600 Cash ...	IBMCashDrawer.2	Configured	4	9600	DT
Cash Drawer	SurePOS 300 Cash Dra...		Available			
Cash Drawer	SurePOS 500/600 Cash ...		Available	4	9600	DT
Line Display	SurePOS Line Display	IBMLineDisplay.1	Configured	4	9600	DT
Line Display	SurePOS Line Display		Available	4	9600	DT
Motion Sensor	SurePOS Motion Sensor		Available			
MSR	SurePOS MSR	IBMMSR.2	Configured	3	19200	XC
MSR	SurePOS MSR	CBSMSR.1	Configured	3	19200	XC
MSR	SurePOS MSR		Available	3	19200	XC
Tone Indicator	System Tone		Online			

NOTE: The **Com Port** and **Baud Rate** may differ on your terminal.

- Click the **OK** button to close the utility.

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NorthStar Age Verification

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Installation

Use the following instructions to install and verify **NorthStar Age Verification** on the terminal.

1. Download the NorthStar.AgeVerification.Exe installation package from the [NorthStar Enterprise Portal](#).
2. Double click the NorthStar.AgeVerification.Exe. When prompted for an installation path, use **C:\SC\AV**. Use of this path avoids any legacy DOS 8.3 limitations.

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Test

1. In Windows Explorer, navigate to **C:\SC\AV**.



- 2.

Double-click the **AgeVerify** icon. The **Ready to Scan** page displays. If the Status field displays **Unable to Connect to Scanner**, continue to the [Configuration and Debug](#) section.

3. Swipe a *California* driver's license through the magnetic strip reader to test functionality. If an error occurs, re-swipe or try a different license. If an error continues to occur, continue to the [Configuration and Debug](#) section.

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Configuration and Debug

1. Click the **Age Verification** menu, then select **Configure**.
2. Make sure that the **OPOS Device Name** is the same as the device name you specified in the [OPOS Configuration](#). If you specified a different name,
 1. Type the name.

2. Click the **Save** button.
3. Click the **Close** button. You are prompted to restart the application in order for the changes to take effect.
4. Click the **OK** button.
5. Click the **Exit** button.
3. Click the *Debug* tab. If the Log Area displays "Unable to Claim Device", make sure that no other application is using the OPOS device name specified in the [OPOS Configuration](#).
4. If necessary, clear the **Track 1** and **Track 2** fields.
5. Click the **Test Data** button. The **Track 1** and **Track 2** fields fill with test data.

The screenshot shows the 'NorthStar Age Verification Configuration' dialog box. It has three tabs: 'Configuration', 'Debug', and 'Test Output'. The 'Configuration' tab is selected. There are four text input fields labeled 'Track 1', 'Track 2', 'Track 3', and 'Track 4'. Track 1 contains the text 'CAIRVINE^PERSON\$TEST\$A^1234 MAIN STREET #A123^'. Track 2 contains '636014025527823=091219889912'. Track 3 and Track 4 are empty. Below the fields is a large text area containing 'Ready to scan...'. At the bottom of the dialog are buttons for 'Test Data', 'Clear Log', 'Reset', and 'Close'.

6. Click the **Test Data** button again. The Log Area displays "AGE: 20 NO ALCOHOL ALLOWED".
7. Click the *Test Output* tab. All fields are filled in.
8. Click the *Debug* tab.
9. Click the **Reset** button. All fields clear and the Status field displays "Ready to Scan...".
10. Swipe a *California* driver's license through the magnetic strip reader to test functionality. Text should fill in the **Track 1** and **Track 2** fields.
11. Click the *Test Output* tab. All fields are filled in.
12. Click the **Close** button.

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POSitouch Configuration

[View POSi Instructions](#)

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Usage

This application is expected to be accessed from POSitouch via an external application launch button.

Once launched, the main screen is displayed with the text "Ready to Scan...". The user swipes the drivers license through the card reader. The application reads the card and displays the following information.

- State
- ID #
- Expiration Date
- Age
- Date of birth (DOB)
- Name - First Middle Last
- Address, City
- Of Age or Not Of Age graphic and application highlights.

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Typical Usage Scenario

1. Server rings items in POSitouch.
2. Customer requests alcoholic beverage.
3. Server launches NorthStar Age Verification. Server verifies "Ready to Scan..." text.
4. Server swipes customer's driver's license and views results (see below for result screenshots).
 1. If scan results in error or a second swipe is required, the server clicks the **Reset** button then re-swipes.
5. Server clicks the **Exit** button.

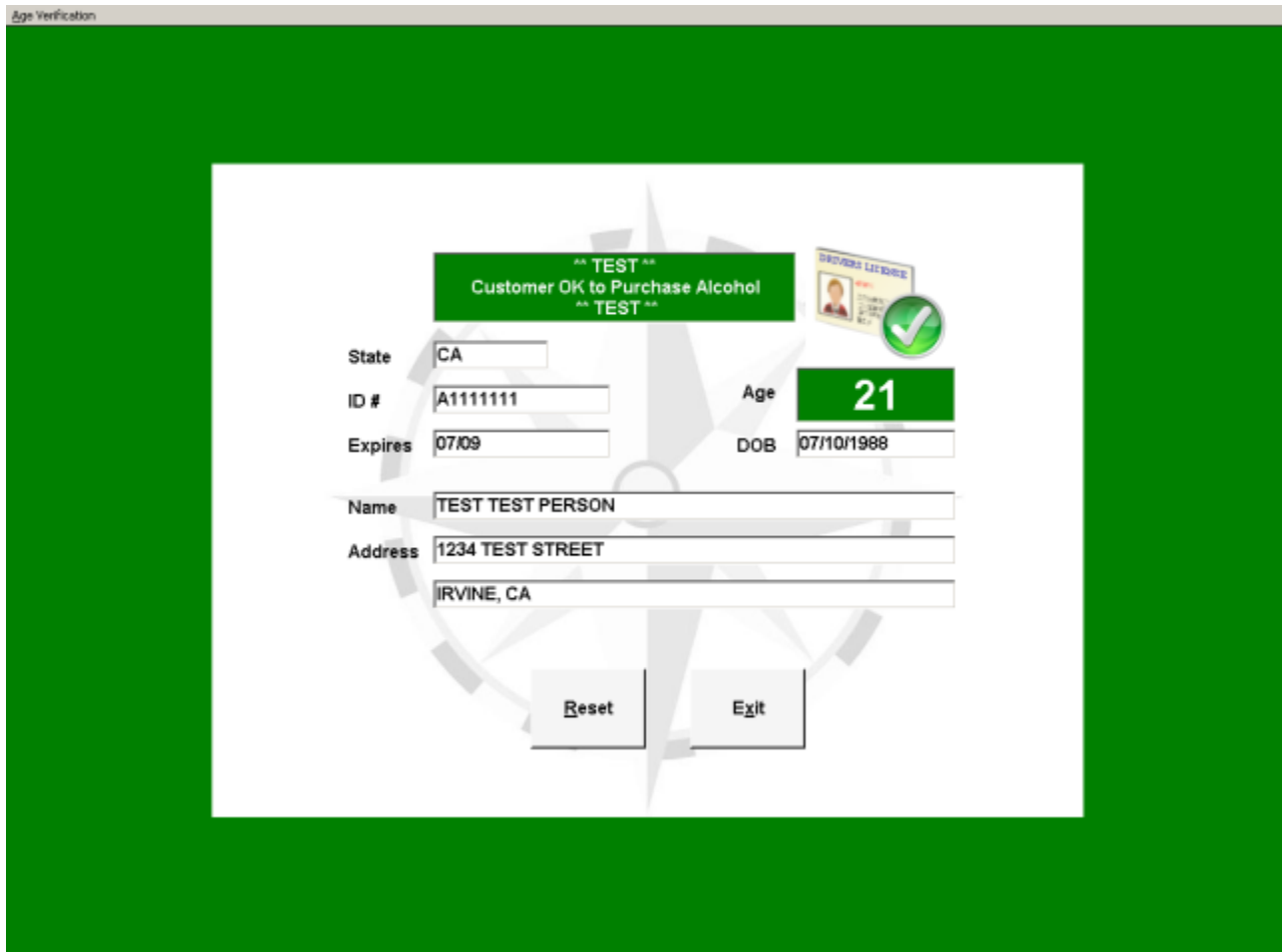
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Swipe Results

The following sections describe the three different swipe results.

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Of Age (Age 21 or older)



The screenshot displays an age verification interface with a green background. At the top left, the text "Age Verification" is visible. The main content area features a white form with the following fields and elements:

- A green status box at the top center containing the text: **Customer OK to Purchase Alcohol**, flanked by **^^ TEST ^^** above and below.
- A "State" field with the value "CA".
- An "ID #" field with the value "A1111111".
- An "Expires" field with the value "07/09".
- An "Age" field with the value "21", highlighted in green.
- A "DOB" field with the value "07/10/1988".
- A "Name" field with the value "TEST TEST PERSON".
- An "Address" field with the value "1234 TEST STREET".
- A second address field with the value "IRVINE, CA".
- A "Drivers License" icon with a green checkmark in a circle.
- Two buttons at the bottom: "Reset" and "Exit".

When the date of birth calculates to age 21 or older, the border color changes to green and the Age Verification icon changes to a check mark in a green circle. The status field indicates "Customer OK to Purchase Alcohol" and the Age field highlights green.

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Not Of Age (Under Age 21)



The screenshot shows an age verification form with a red border. At the top, a red box contains the text: **^^ TEST ^^
NO ALCOHOL ALLOWED
^^ TEST ^^**. To the right is a license icon with a red 'X' over it. The form fields are: State: CA; ID #: A1111111; Expires: 07/09; Age: 20 (highlighted in red); DOB: 07/11/1988; Name: TEST TEST PERSON; Address: 1234 TEST STREET, IRVINE, CA. At the bottom are 'Reset' and 'Exit' buttons.

State	CA	Age	20
ID #	A1111111	DOB	07/11/1988
Expires	07/09		
Name	TEST TEST PERSON		
Address	1234 TEST STREET		
	IRVINE, CA		

[Reset](#) [Exit](#)

When the date of birth calculates to age 20 or younger, the border color changes to red and the Age Verification icon changes to an "X" in a red circle. The status field indicates "NO ALCOHOL ALLOWED" and the Age field highlights red.

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Read Error



PARSE ERROR UNABLE TO VERIFY MAGNETIC STRIP

State

ID #

Expires

Name

Address

Age

DOB

The form is displayed on a yellow background. At the top center, a yellow box contains the error message "PARSE ERROR UNABLE TO VERIFY MAGNETIC STRIP". To the right of this box is a small icon of a driver's license with a red "X" over it. The form fields are arranged in two columns. The left column contains "State", "ID #", "Expires", "Name", and "Address" (with two lines). The right column contains "Age" and "DOB". At the bottom, there are two buttons: "Reset" and "Exit".

If an unrecognized card (non driver's license) is swiped or the card is partially read, the border color changes to yellow and the Age Verification icon changes to an "X" in a red circle.