

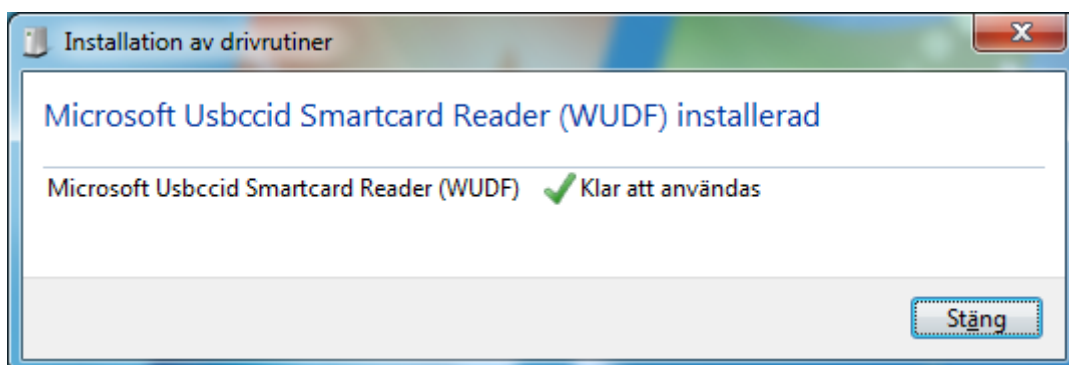
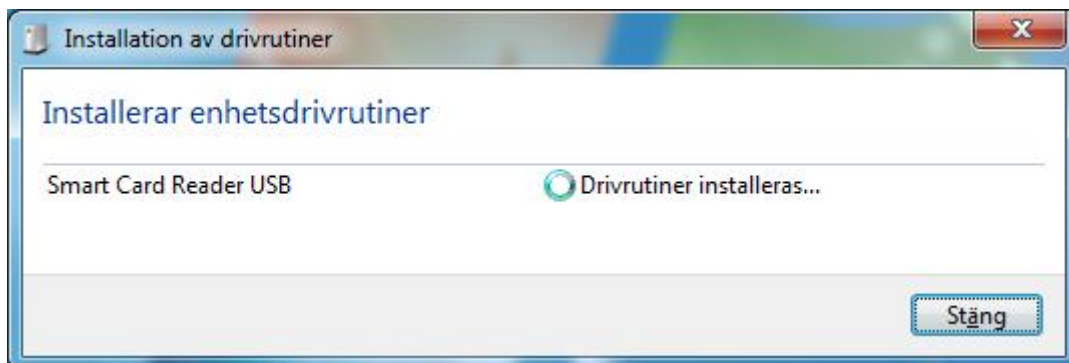


Verifiering av MIFARE slinga på SITHS-kort

Detta dokument beskriver hur Omnikey Card Man5321 USB drivrutin samt diagnostikprogram installeras på en dator med Windows 7. Efter installationen kan kortläsaren och programvaran användas för att kontrollera att MIFARE kretsen på smartcard svarar på anrop.

Kontrollera att datorn känner av kortläsaren

Anslut kortläsaren med hjälp av USB-kontakten. Följande skall då hända. Observera nedanstående enbart syns om man maximerar installationsfönstret:





Nedladdning av drivrutin och programvara för kortläsaren

Öppna följande länk

<http://www.hidglobal.com/driverDownloads.php?techCat=19>

Nedladdning av drivrutin

Välj rätt produkt och operativsystem med hjälp av drop down menyerna

The screenshot shows the HID Global website's driver download page. The page title is 'Downloads - OMNIKEY'. It provides instructions for downloading software, drivers, and firmware. A blue arrow points to the 'Operating System' dropdown menu, which is currently set to 'Windows 7'. Below the dropdown, a table lists various drivers and tools for Windows 7.

Title	Size	File	Description
OMNIKEY Synchronous API for Windows	3232576	CardMan_Synchronous_API_V1_1_1_4.exe	OMNIKEY synchronous API (V1.1.1.4 - Release: 10/10/07 - 3927kB)
OMNIKEY 5x2x Driver Self-Extractor (for manual installation)	224704	OMNIKEY5x2x_V1_2_4_1.exe	PC/SC Driver for OMNIKEY 5121, 5321, 5125, 5325, 6321 (V1.2.4.1 - Release: 2011/05/03 - 220 kB - Windows 2000 / XP / 2k3 Server / Vista / 2k8 Server / Windows 7 - digitally signed for Win 2000, XP, Vista, Windows 7, 2k3 Server, 2k8 Server)
CT-API for Windows	2778992	CT-API_V4_0_2_2A.exe	CT-API (V4.0.2.2A - Release: 04/01/09 - 2714kB)
OMNIKEY 5x2x Unattended Setup Installer	2829312	OMNIKEY5x2x_x86_R1_2_4_1.exe	2000/XP/Vista/2k3 Server/2k8 Server/ Windows 7 Setup for OMNIKEY 5x21 and 5x25 V3.0.4.0 (driver version 1.2.4.1 - digitally signed) 2763 kB
OMNIKEY Diagnostic Tool	7422144	OKDiagnosticTool_x86_V2_4_0_5.exe	Please be aware that this new diagnostic tool is a stand alone programm which can be started from Start Menu Programms menu. Additionally, on Windows Vista and Windows 7 administrative privileges are needed to execute the application.
OMNIKEY 5x2x MSI Unattended Setup Files	4073925	OMNIKEY_5x2x_Unattended_x86_for_R1_2_4_1.zip	Unattended Setup R3.0.4.0 for 5121, 5321, 5125, 5325, 6321 (V1.2.4.1 - 3979kB - Windows 2000 / XP / 2k3 Server / Vista / 2k8 Server / Windows 7 - digitally signed for Win 2000, XP, Vista, Server 2003, Server 2008, Windows 7)



Klicka på senaste version av drivrutinen som passar ditt operativsystem (i detta fallet OMNIKEY5x2x_V1_2_4_1.exe)

Downloads - OMNIKEY

You must read and accept this download agreement to download software. Please click the button at the bottom of this agreement to accept or decline.

HID GLOBAL CORPORATION
SOFTWARE LICENSE AGREEMENT

This is a legal agreement between You, the user or installer ("You"), and HID Global Corporation ("HID"). This agreement governs all software that is distributed with HID's or HID brands' (for example, OMNIKEY brand or Smart ID brand or Fargo) products (the "Product"), and any and all updates and downloads You subsequently access and install, including associated media, documentation, drivers, online or electronic information provided by HID related to the Product (collectively, the "Software"). By opening or breaking the seal on the product package, installing or downloading the Software, or using the Software that has been preloaded onto or is embedded in the HID Product, You agree to be bound by the terms of this agreement. If You do not agree to these terms, prior to Your use, installation or downloading of the Software, return all Software items (disks, written materials, and packaging) and delete any downloaded, preloaded, or embedded Software. If it is not practical to delete preloaded or embedded Software, You must also return the Product.

1. Software License.

The Software is licensed for use only in conjunction with HID reader products. Use of the Software in conjunction with non-HID reader products is not licensed hereunder.

Windows			2012/07 - 327KB
OMNIKEY 5x2x Driver Self-Extractor (for manual installation)	224704	OMNIKEY5x2x_V1_2_4_1.exe	PC/SC Driver for OMNIKEY 5121, 5321, 5125, 5325, 6321 (V1.2.4.1 - Release: 2011/05/03 - 220 kB - Windows 2000 / XP / 2k3 Server / Vista / 2k8 Server / Windows 7 - digitally signed for Win 2000, XP, Vista, Windows 7, 2k3 Server, 2k8 Server)
CT-API for Windows	2778992	CT-API_V4_0_2_2A.exe	CT-API (V4.0.2.2A - Release: 04/01/09 - 2714kB)
OMNIKEY 5x2x Unattended Setup Installer	2829312	OMNIKEY5x2x_x86_R1_2_4_1.exe	2000/XP/Vista/2k3 Server/2k8 Server/ Windows 7 Setup for OMNIKEY 5x21 and 5x25 V3.0.4.0 (driver version 1.2.4.1 - digitally signed) 2752 kB



Bläddra ner och acceptera villkoren

The screenshot shows a web browser window displaying the HID Global website. The URL is <http://www.hidglobal.com/driverDownloads.php?techCat=19&y>. The page features the HID logo and the tagline "The Trusted Source for Secure Identity Solutions". A navigation menu includes links for Solutions, Industries, Services, Partners, Developers, and Support. The main heading is "Downloads - OMNIKEY". A modal window is open, showing the following text:

shall be, to that extent, deemed omitted and the remaining provisions will continue in full force and effect.

(b) Governing Law. The validity and performance of this Agreement shall be governed by California law (without reference to choice of law principles), and applicable federal law. The United Nations Convention on Contracts for the International Sales of Goods shall not apply.

(c) Disputes. In the event of any legal action or proceeding relating to this Agreement, the prevailing party shall be entitled to recover its attorneys' fees in addition to any other relief granted. HID agrees and You agree to waive, to the maximum extent permitted by applicable law, any right to a jury trial with respect to the Software or this agreement. Because this waiver may not be effective in all jurisdictions, this waiver may not apply to You.

(d) Assignment. This agreement is binding on successors and assigns.

(e) Waiver. No term or provision hereof shall be deemed waived and no breach consented to or excused, unless such waiver, consent or excuse shall be in writing and signed by the Party claimed to have waived or consented.

(f) Entire Agreement; Modification. This Agreement sets forth the entire understanding and agreement between You and HID and may be amended only in a writing signed by both parties.

At the bottom of the modal window, there are two buttons: "I Accept Terms" and "Decline". A blue arrow points to the "I Accept Terms" button.

Klicka på pilen till höger om spara och välj spara som

The screenshot shows a web browser window displaying the HID Global website. The URL is <http://www.hidglobal.com/driverDownloads.php?techCat=19&y>. The page features the HID logo and the tagline "The Trusted Source for Secure Identity Solutions". A navigation menu includes links for Solutions, Industries, Services, Partners, Developers, and Support. The main heading is "Downloads - OMNIKEY". A table of download links is visible:

Product	File Name	Size
OMNIKEY 5x2x MSI Unattended Setup Files	OMNIKEY_5x2x_Unattended_x86_for_R1_2_4_1.zip	6321 (V1.2.4.1 - 3979kB - Windows 2000 / XP / 2k3 Server / Vista / 2k8 Server / Windows 7 - digitally signed for Win 2000, XP, Vista, Server 2003, Server 2008, Windows 7)

At the bottom of the page, there is a footer with links for About HID, Sustainability, Media Center, Contact Us, Careers, RMA, Site Map, Privacy, Security Center, and Terms of Use. A language selection dropdown is also present.

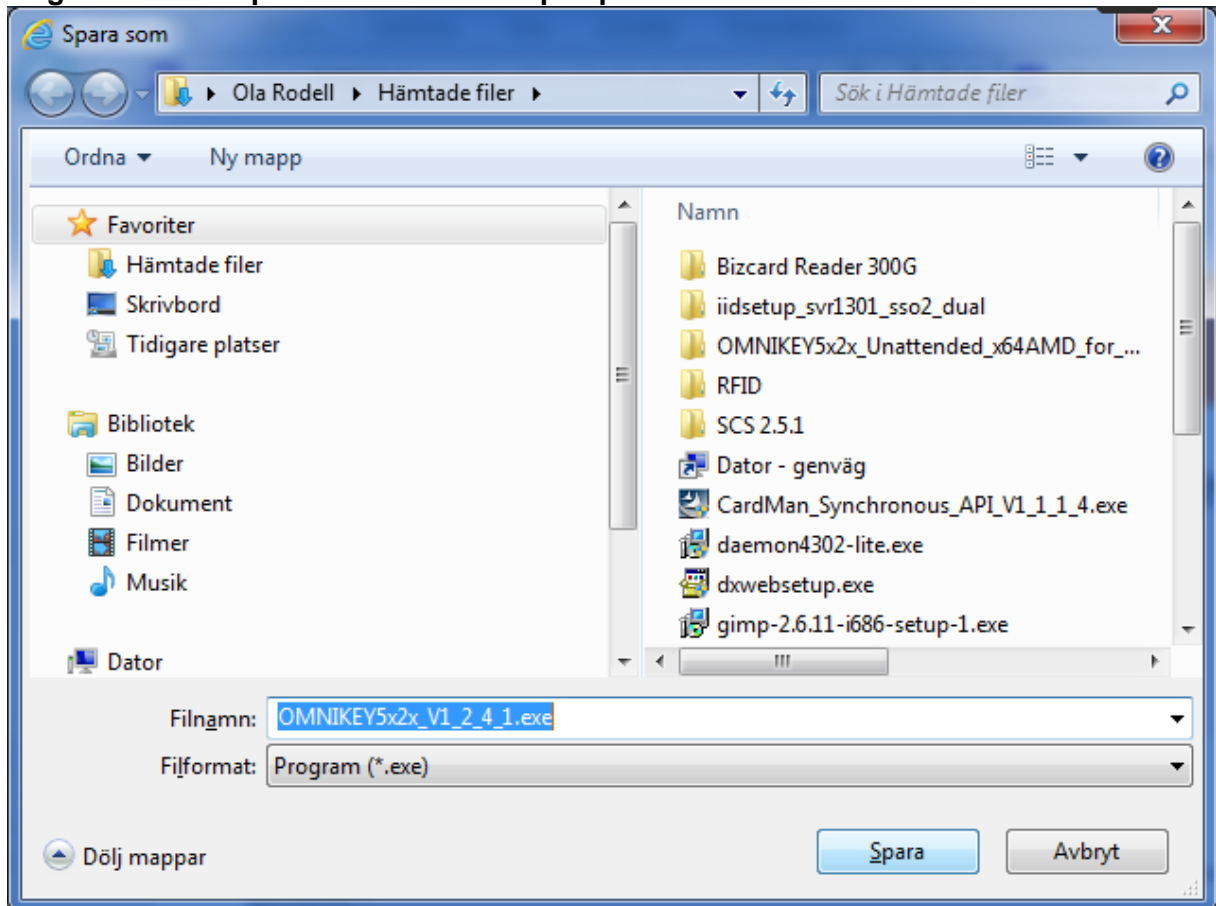
A modal window is open, displaying the following text:

Vill du köra eller spara OMNIKEY5x2x_x86_R1_2_4_1.exe (2,69 MB) från www.hidglobal.com?

At the bottom of the modal window, there are three buttons: "Kör", "Spara", and "Avbryt". A blue arrow points to the "Spara" button.

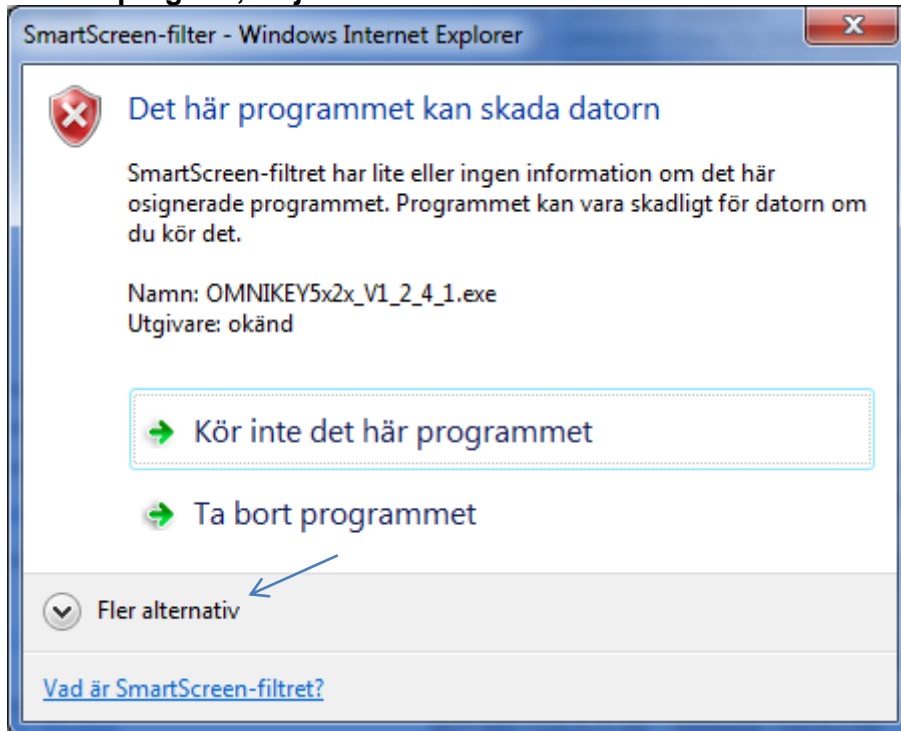


Ange var du vill spara filen och klicka på spara



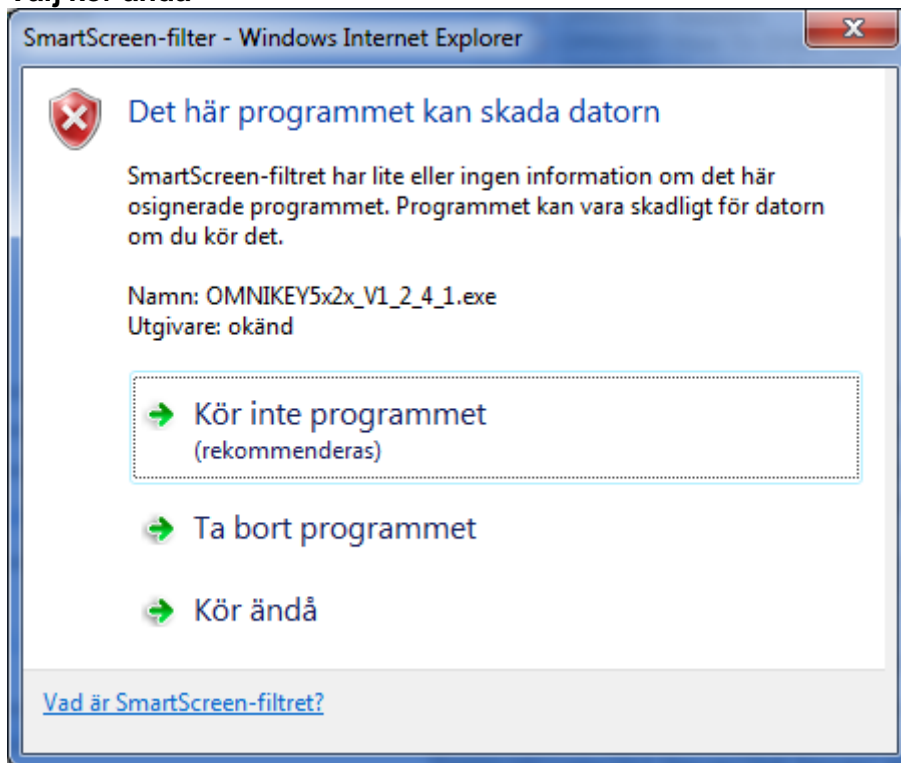


Eventuellt så får du ett varningsmeddelande orsakad av att du laddar ner ett körbart program, välj i så fall att visa fler alternativ



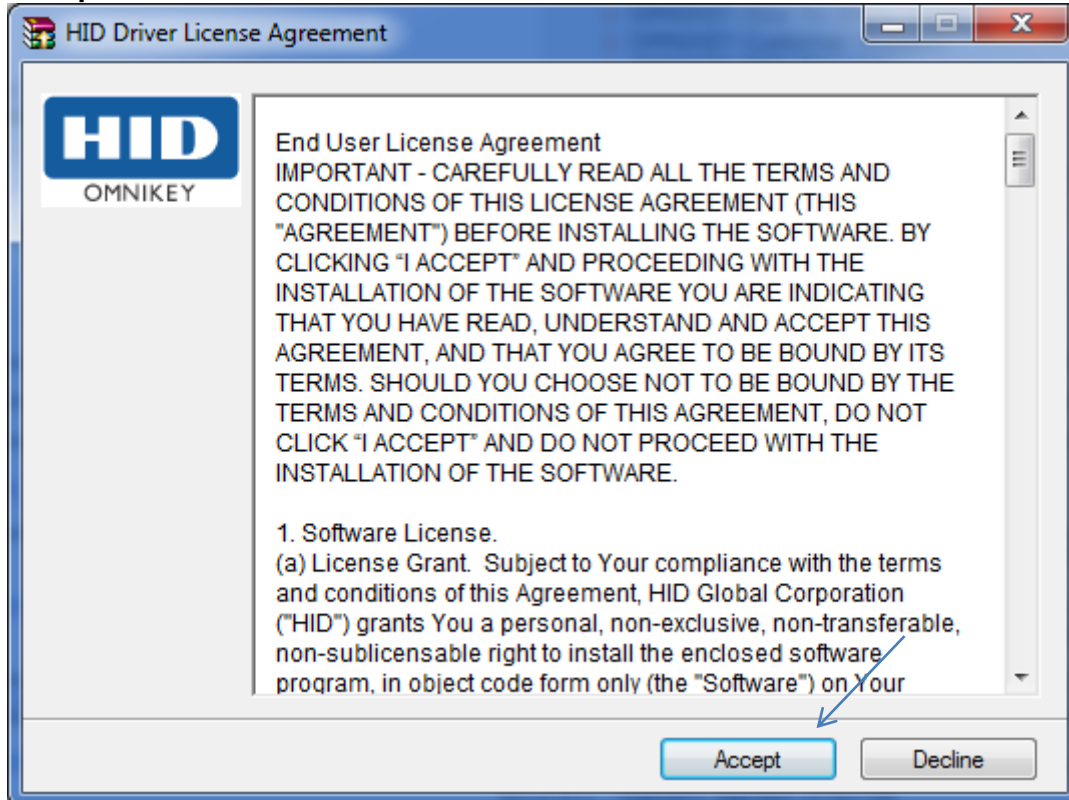


Välj kör ändå





Acceptera licensvilkoren



Programvaran laddas nu ner.



Nedladdning av diagnostikverktyget

Välj rätt produkt och operativsystem samt klicka på diagnostikverktyget

The screenshot shows the HID Global website's download page for OMNIKEY. The page has a header with the HID logo and navigation links. Below the header is a search bar and a 'Downloads - OMNIKEY' section. A list of instructions for downloading software is provided, followed by a filter section where 'OMNIKEY' is selected for Brand, 'OMNIKEY 5321 USB' for Product, and 'Windows 7' for Operating System. A table of download links is shown, with arrows pointing to the 'OKDiagnosticTool_x86_v2_4_0_5.exe' file.

Title	Size	File	Description
OMNIKEY Synchronous API for Windows	3232576	CardMan_Synchronous_API_V1_1_1_4.exe	OMNIKEY synchronous API (V1.1.1.4 - Release: 10/10/07 - 3927kB)
OMNIKEY 5x2x Driver Self-Extractor (for manual installation)	224704	OMNIKEY5x2x_V1_2_4_1.exe	PC/SC Driver for OMNIKEY 5121, 5321, 5125, 5325, 6321 (V1.2.4.1 - Release: 2011/05/03 - 220 kB - Windows 2000 / XP / 2k3 Server / Vista / 2k8 Server / Windows 7 - digitally signed for Win 2000, XP, Vista, Windows 7, 2k3 Server, 2k8 Server)
CT-API for Windows	2778992	CT-API_V4_0_2_2A.exe	CT-API (V4.0.2.2A - Release: 04/01/09 - 2714kB)
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Bläddra ner till slutet av licensavtalstexten

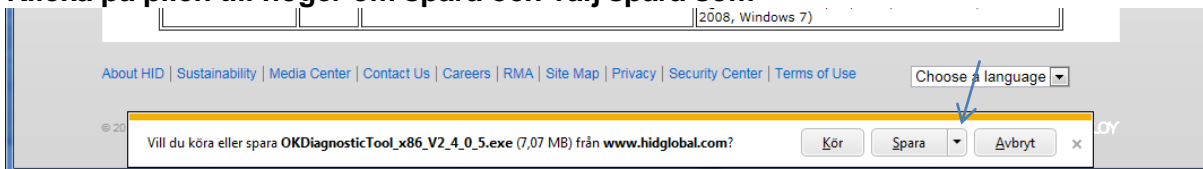
The screenshot shows a web browser window with the URL <http://www.hidglobal.com/driverDownloads.php?techCat=19&q>. The page title is "Downloads - OMNIKEY". The main content area displays the "SOFTWARE LICENSE AGREEMENT" text. A blue arrow points to the bottom of the text area, indicating the user should scroll down to the end of the agreement. The text includes the HID logo, the company name "HID GLOBAL CORPORATION", and the title "SOFTWARE LICENSE AGREEMENT". The agreement text states: "This is a legal agreement between You, the user or installer ('You'), and HID Global Corporation ('HID'). This agreement governs all software that is distributed with HID's or HID brands' (for example, OMNIKEY brand or Smart ID brand or Fargo) products (the 'Product'), and any and all updates and downloads You subsequently access and install, including associated media, documentation, drivers, online or electronic information provided by HID related to the Product (collectively, the 'Software'). By opening or breaking the seal on the product package, installing or downloading the Software, or using the Software that has been preloaded onto or is embedded in the HID Product, You agree to be bound by the terms of this agreement. If You do not agree to these terms, prior to Your use, installation or downloading of the Software, return all Software items (disks, written materials, and packaging) and delete any downloaded, preloaded, or embedded Software. If it is not practical to delete preloaded or embedded Software, You must also return the Product." Below this text, there is a section titled "1. Software License." and a paragraph stating: "The Software is licensed for use only in conjunction with HID reader products. Use of the Software in conjunction with non-HID reader products is not licensed hereunder."

Acceptera villkoren

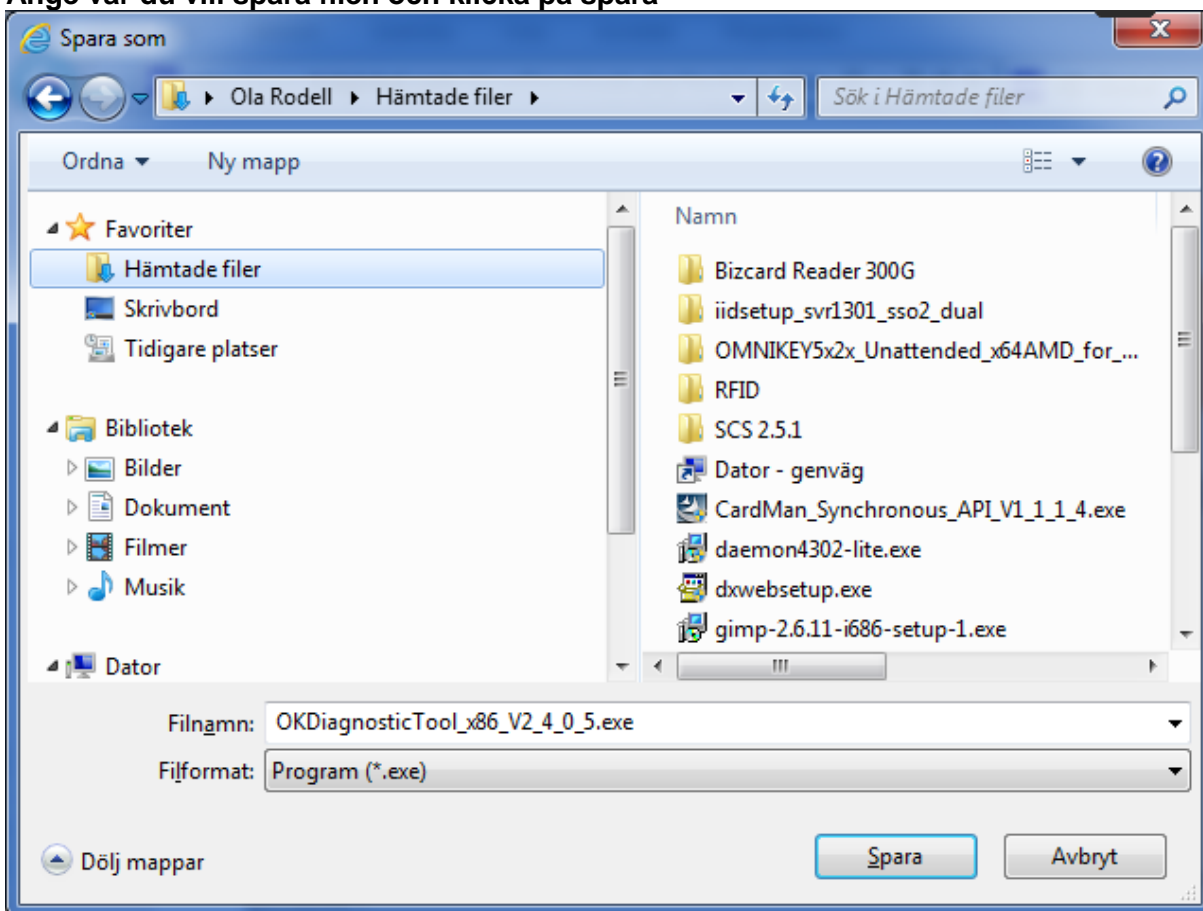
The screenshot shows the same web browser window as above, but with the text area scrolled down to the bottom. The text continues with: "shall be, to that extent, deemed omitted and the remaining provisions will continue in full force and effect." followed by sub-sections (b) through (f). A blue arrow points to the "Accept Terms" button. The text includes: "(b) Governing Law. The validity and performance of this Agreement shall be governed by California law (without reference to choice of law principles), and applicable federal law. The United Nations Convention on Contracts for the International Sales of Goods shall not apply." "(c) Disputes. In the event of any legal action or proceeding relating to this Agreement, the prevailing party shall be entitled to recover its attorneys' fees in addition to any other relief granted. HID agrees and You agree to waive, to the maximum extent permitted by applicable law, any right to a jury trial with respect to the Software or this agreement. Because this waiver may not be effective in all jurisdictions, this waiver may not apply to You." "(d) Assignment. This agreement is binding on successors and assigns." "(e) Waiver. No term or provision hereof shall be deemed waived and no breach consented to or excused, unless such waiver, consent or excuse shall be in writing and signed by the Party claimed to have waived or consented." "(f) Entire Agreement; Modification. This Agreement sets forth the entire understanding and agreement between You and HID and may be amended only in a writing signed by both parties." At the bottom of the text area, there are two buttons: "Accept Terms" and "Decline".



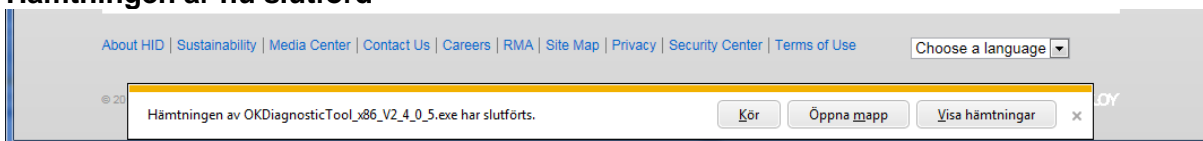
Klicka på pilen till höger om spara och välj spara som



Ange var du vill spara filen och klicka på spara



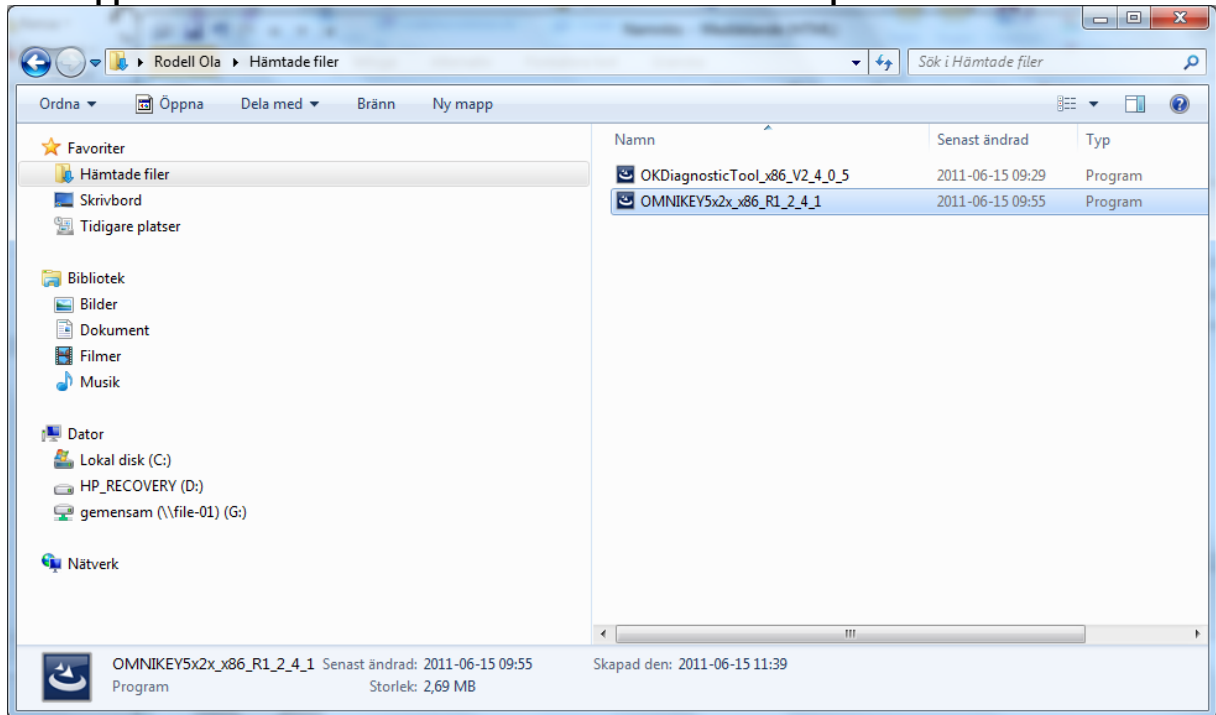
Hämtningen är nu slutförd





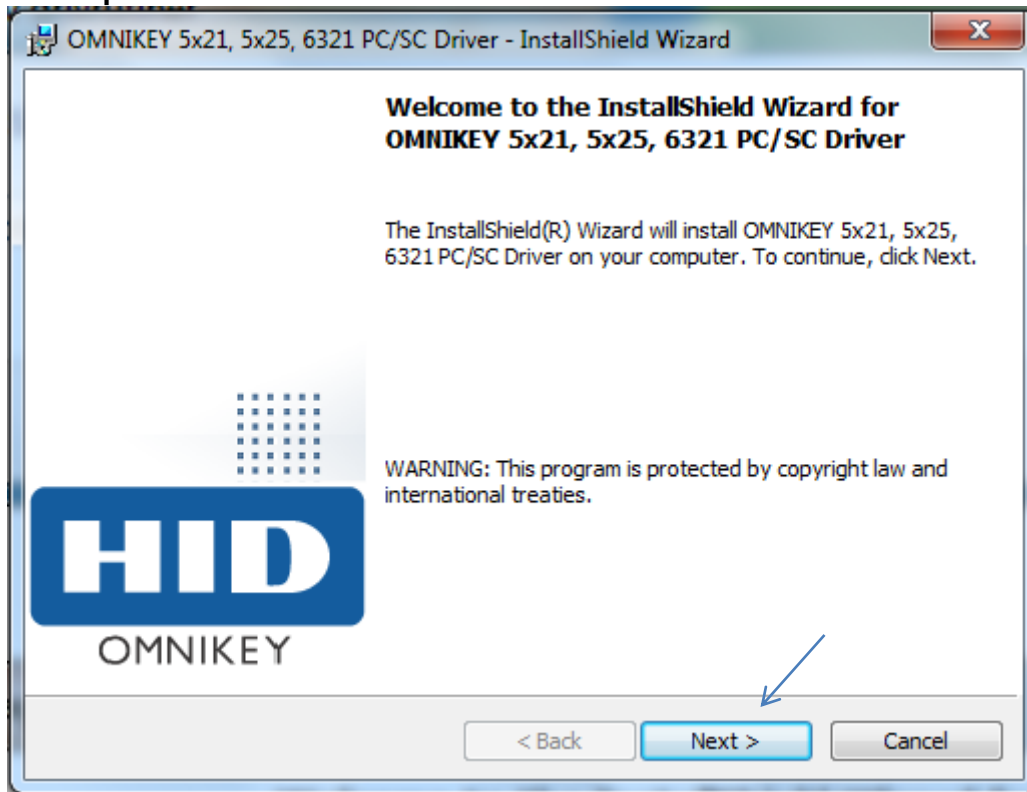
Installation av drivrutin

Leta upp filen som innehåller drivrutinen och dubbelklicka på den



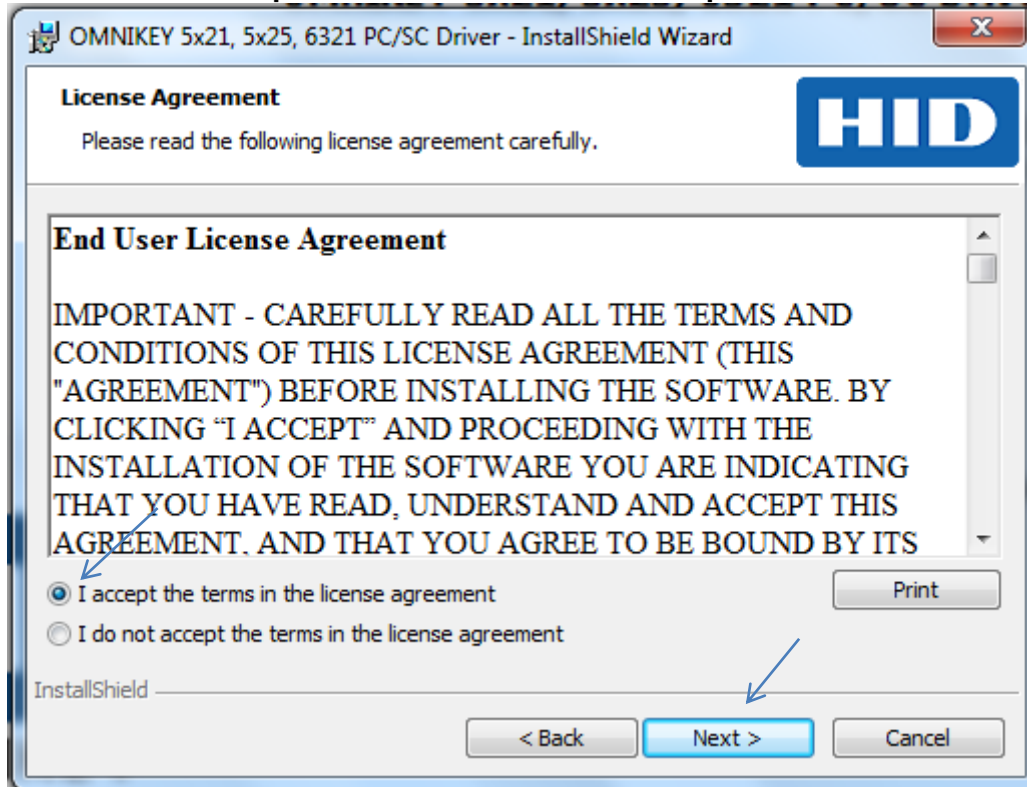


Klicka på Next



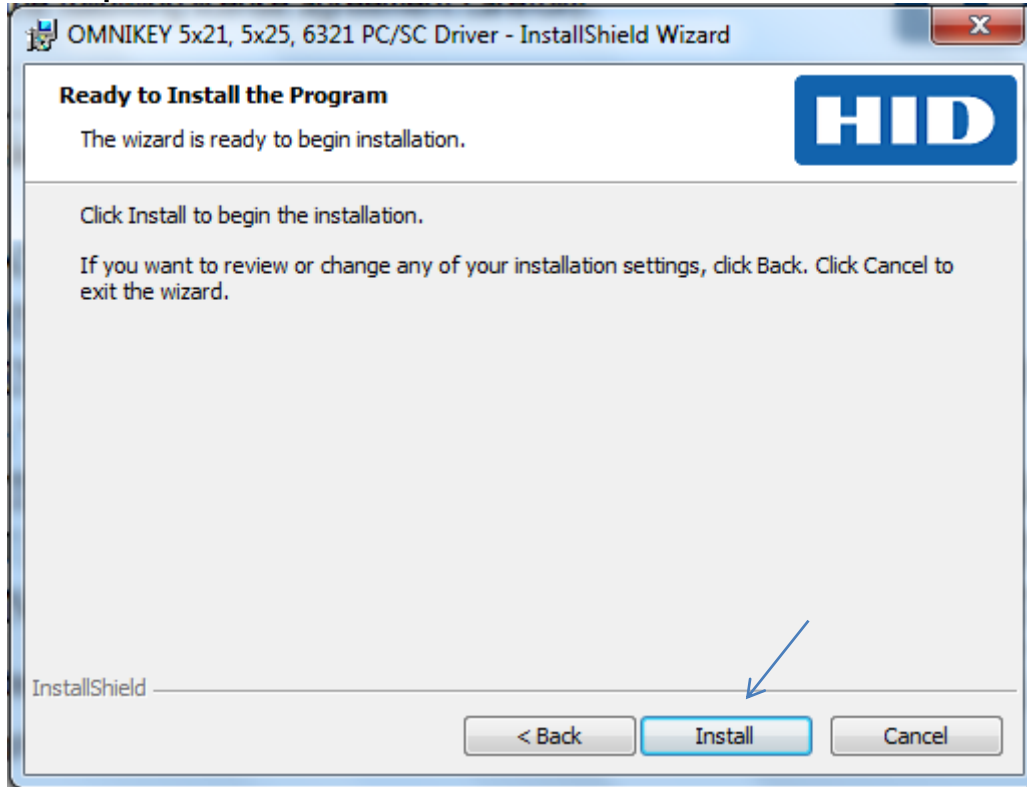


Klicka i att du acceptera licensvilkoren och klicka på Next



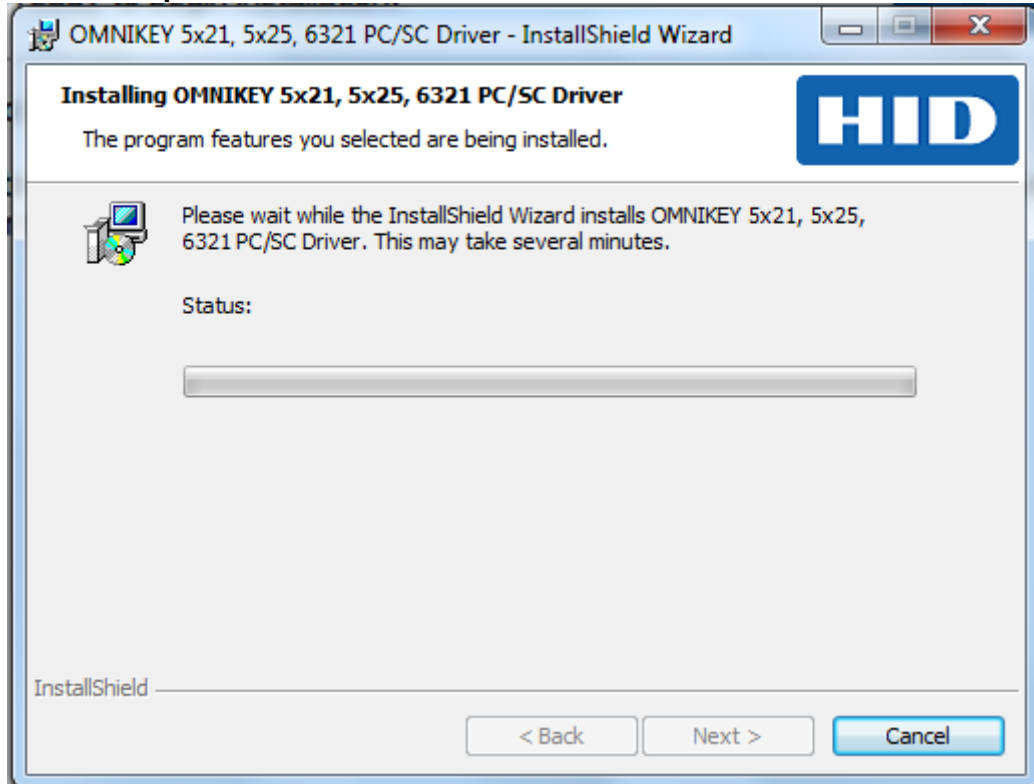


Klicka på Install



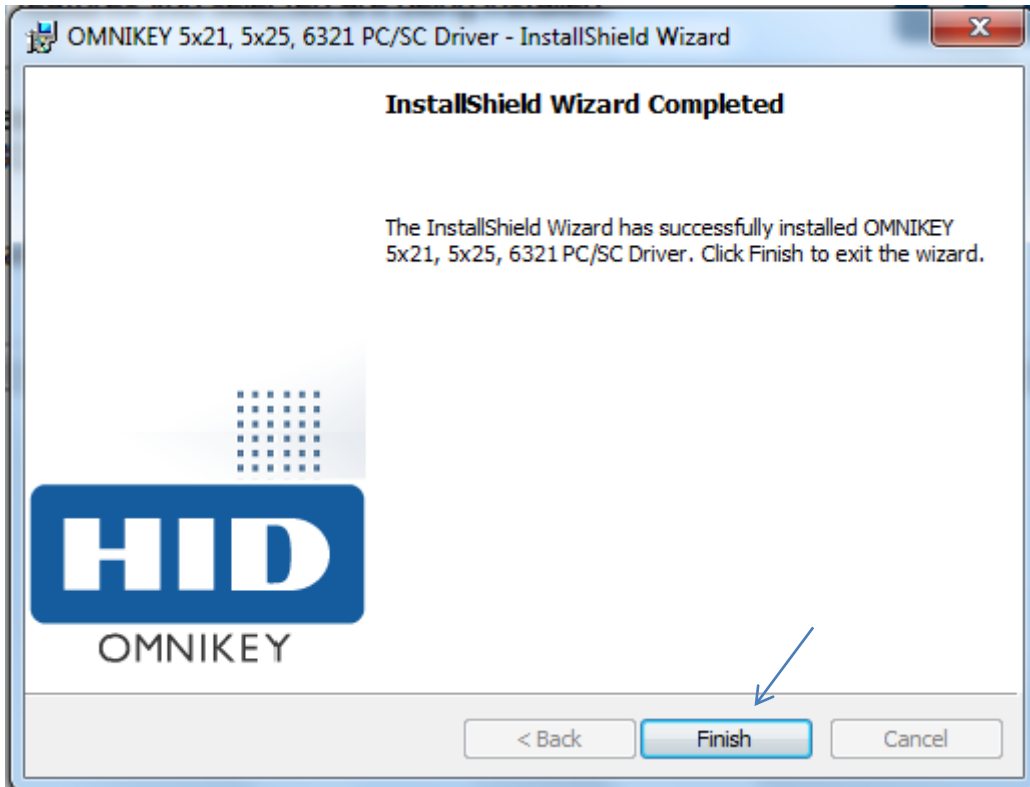


Installationprocessen visas





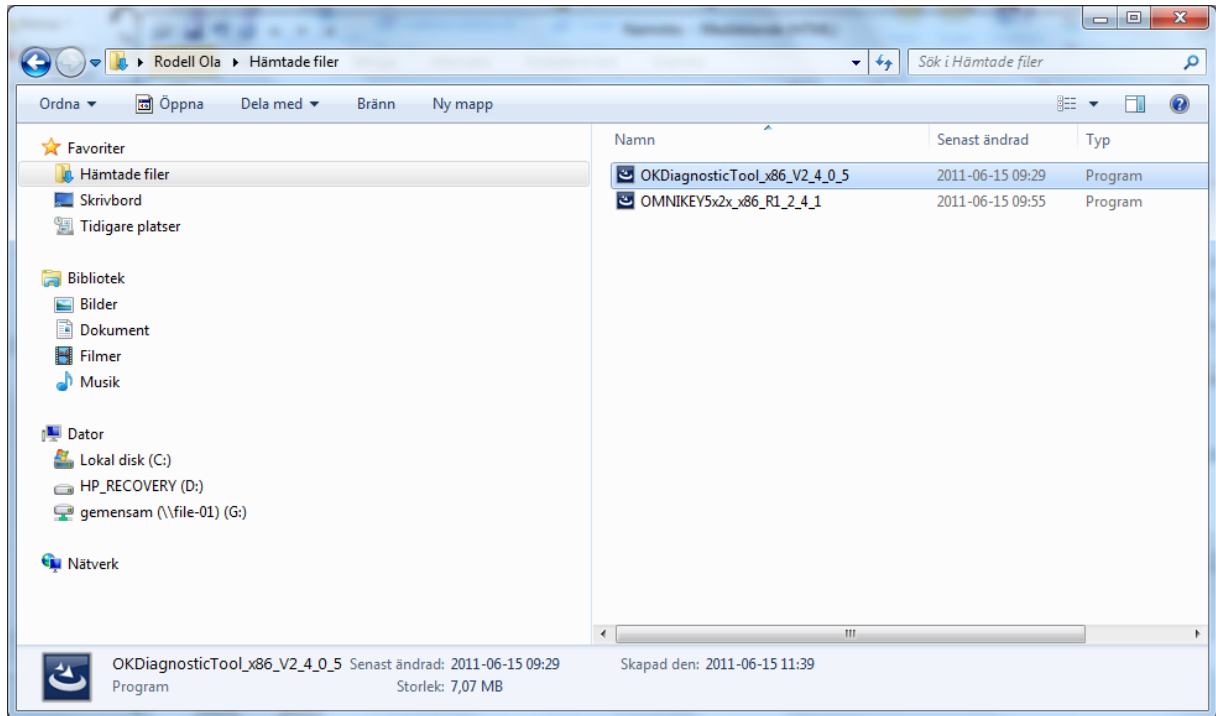
Samt en dialogruta som visar att installationen är klar. Klicka finish för att komma vidare.





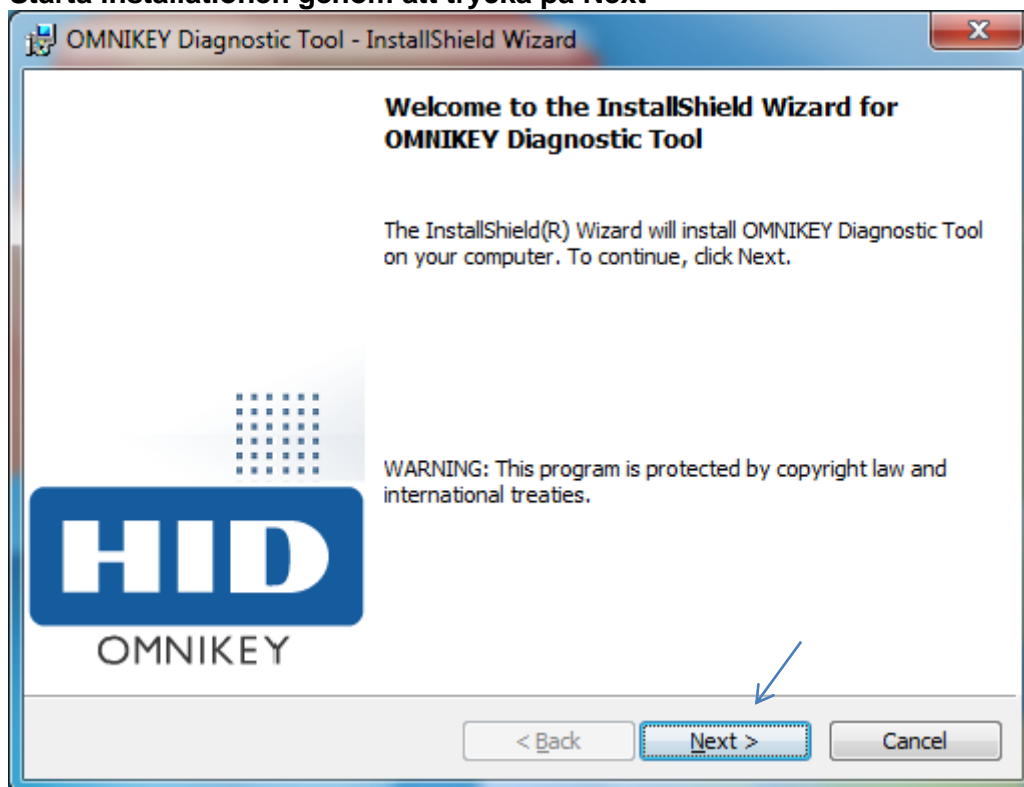
Installation av diagnosikverkyget

Leta upp filen som innehåller diagnosikverkyget och dubbelklicka på den



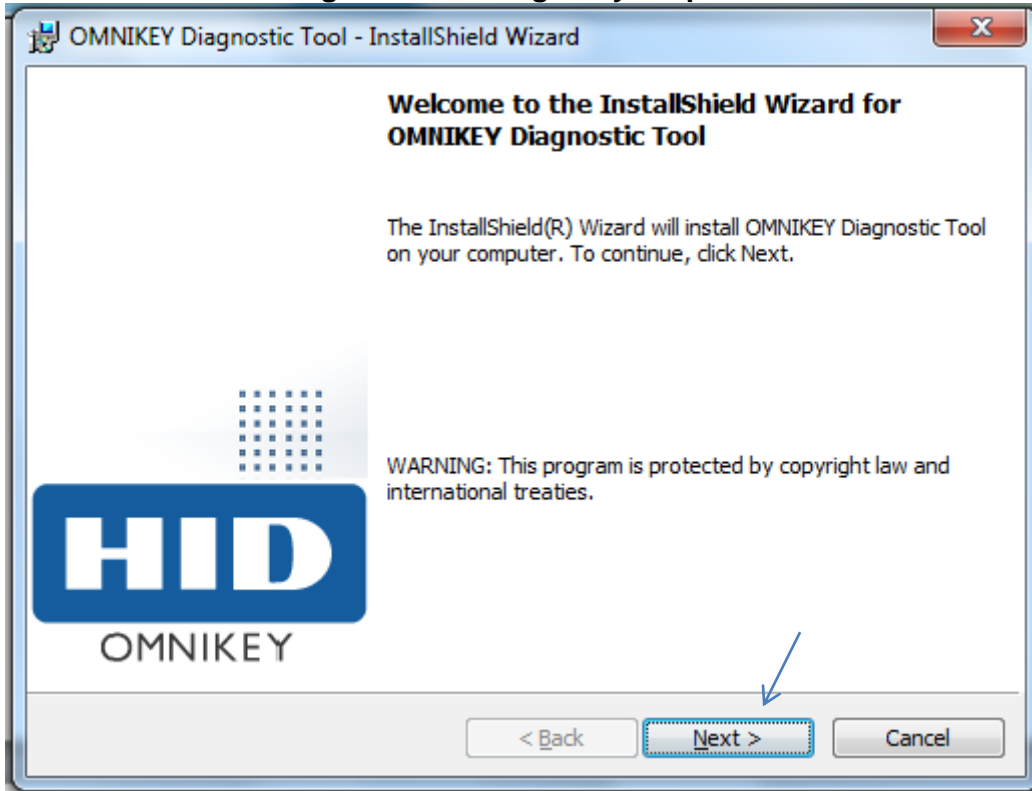


Starta installationen genom att trycka på Next



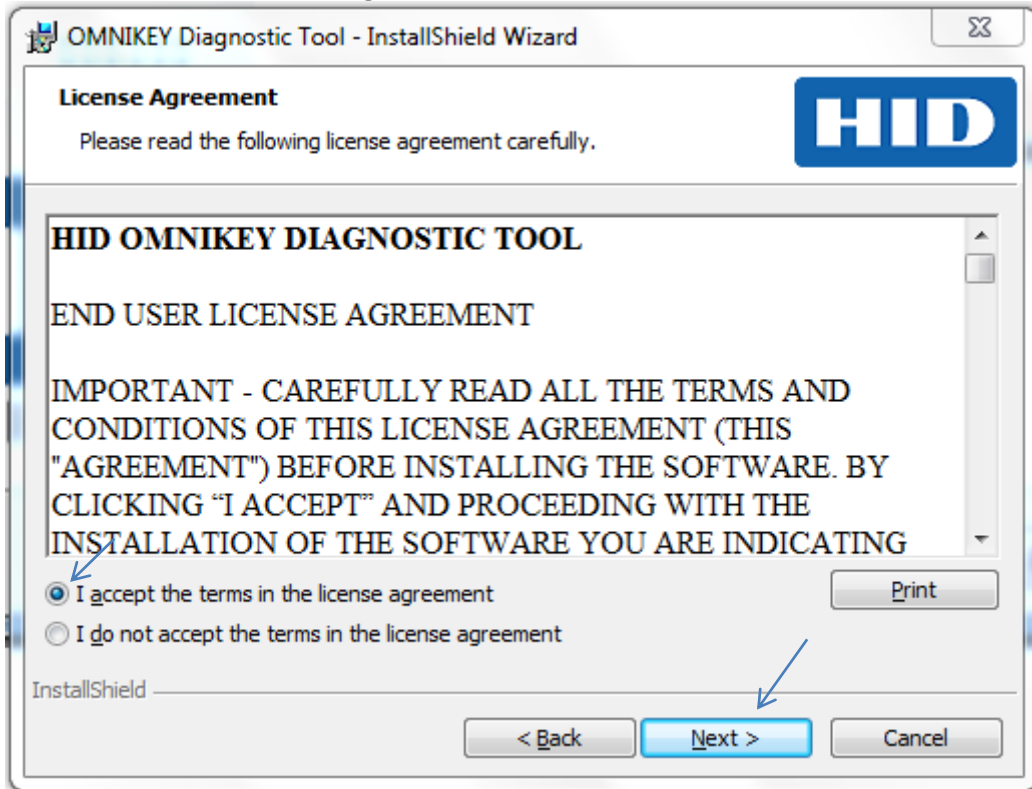


Fortsätt installationen genom att återigen trycka på Next



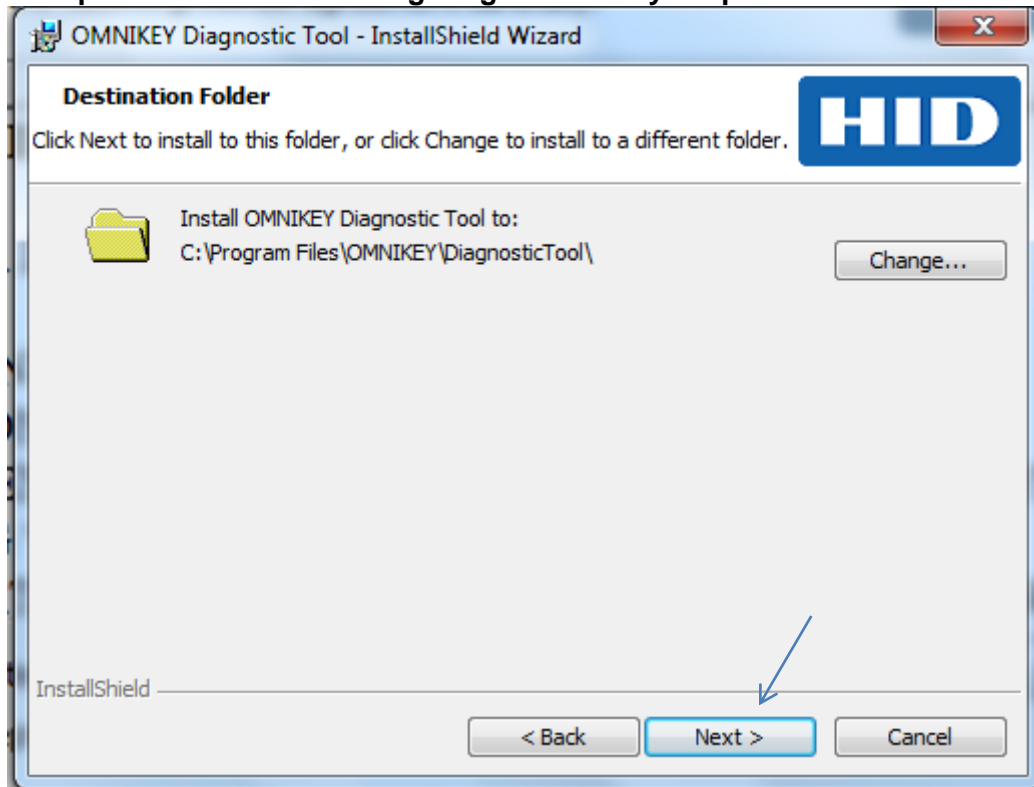


Acceptera licensvilkoren genom att klicka i "I accept osv" och klicka på Next



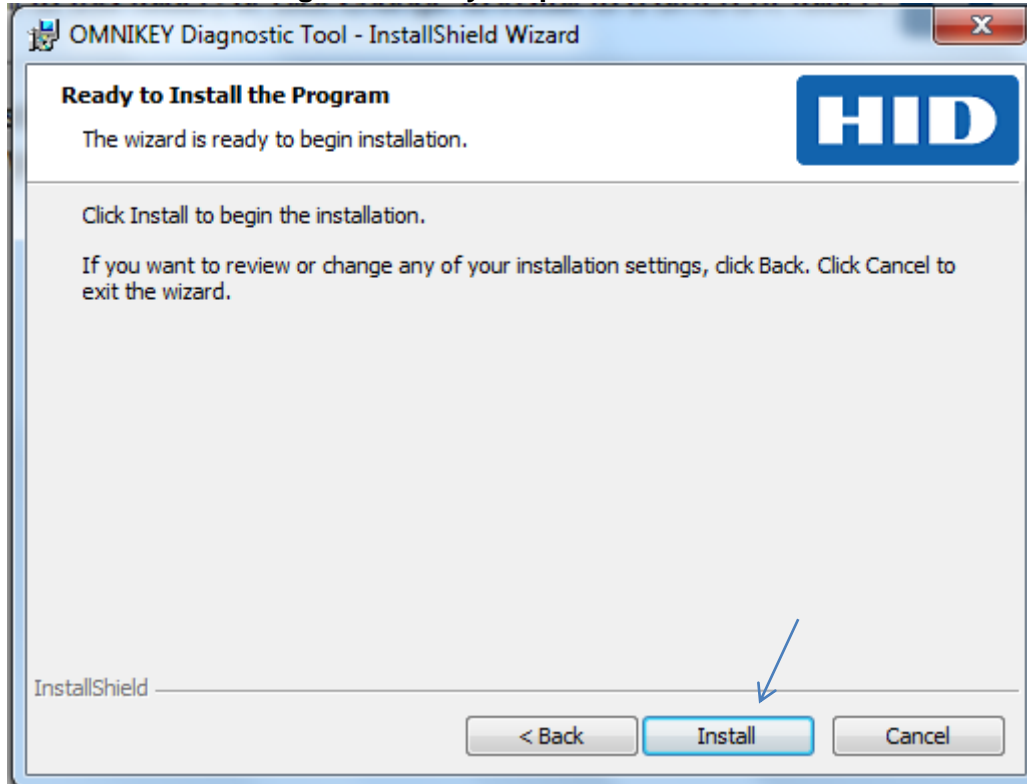


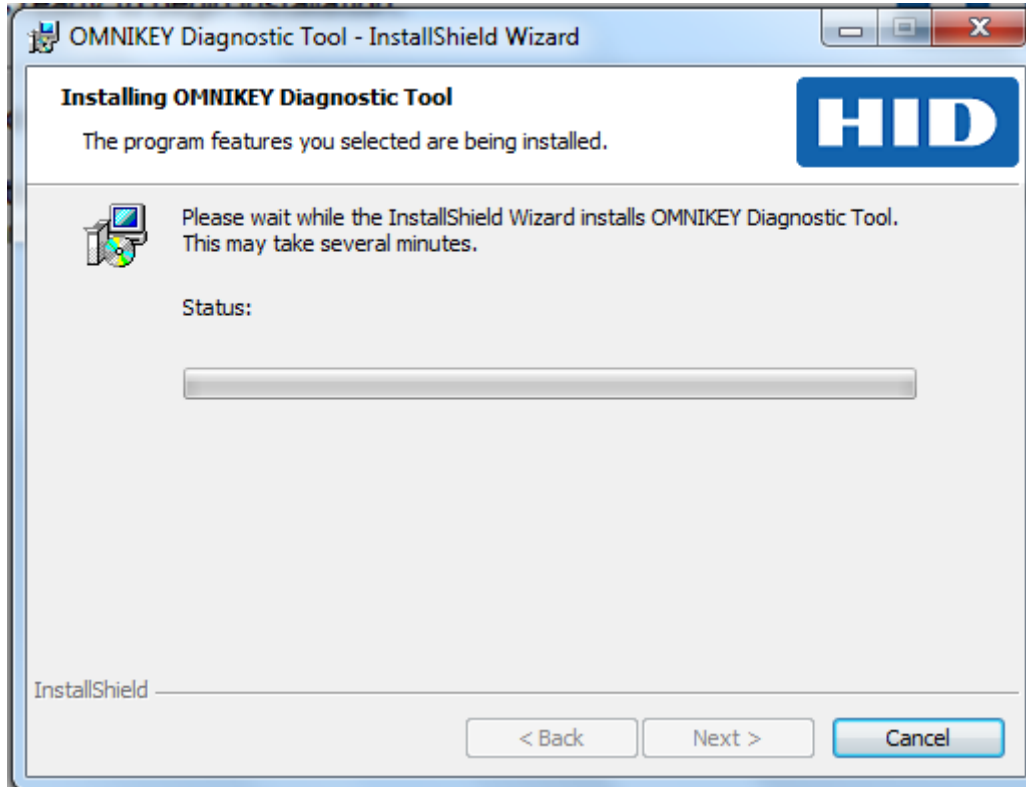
Acceptera var installationen görs genom att trycka på Next.





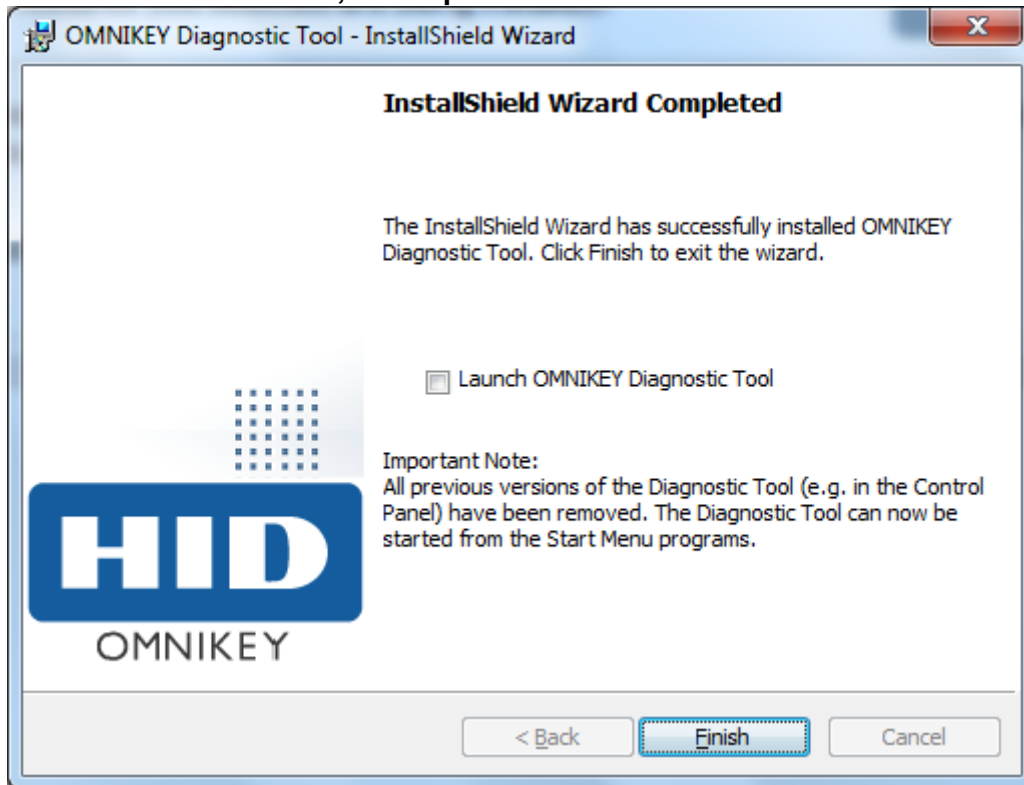
Starta installationen genom att trycka på Install



**Status för installationen visas.**



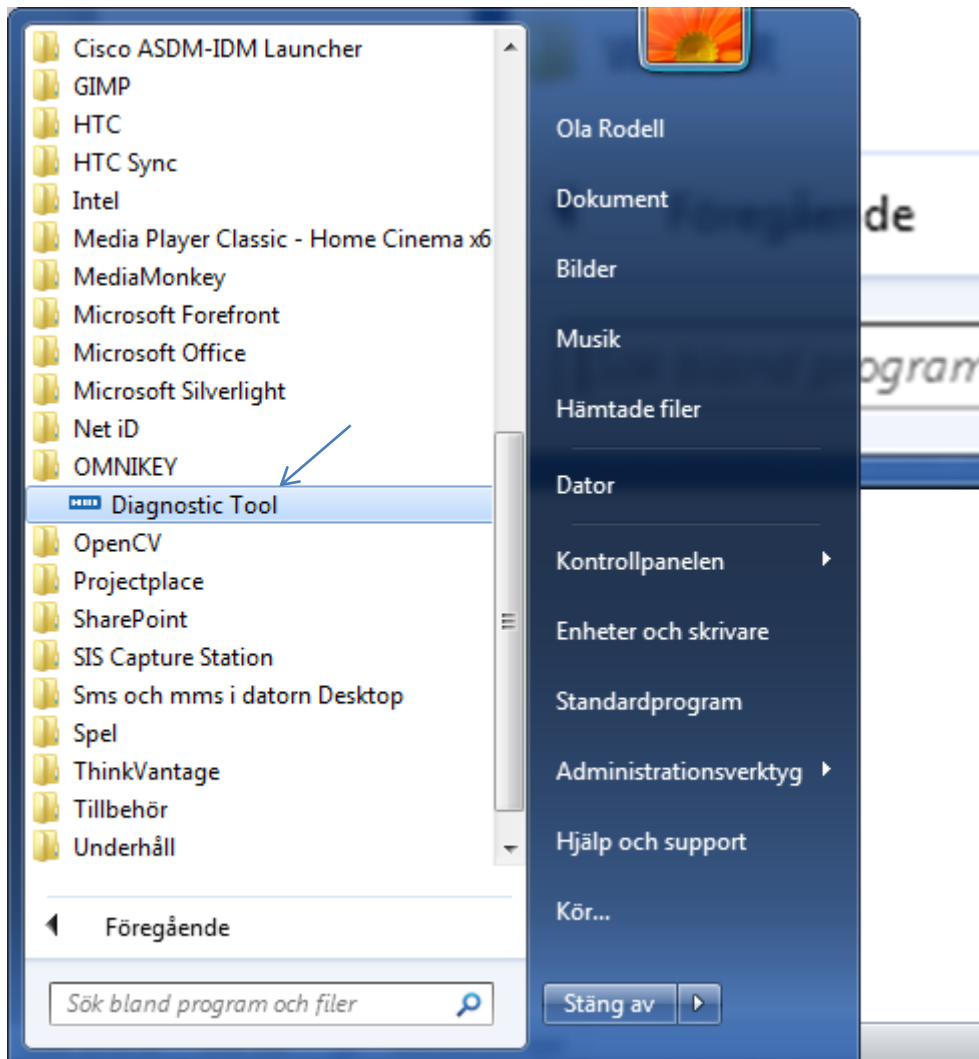
Installationen är nu klar, klicka på finish.

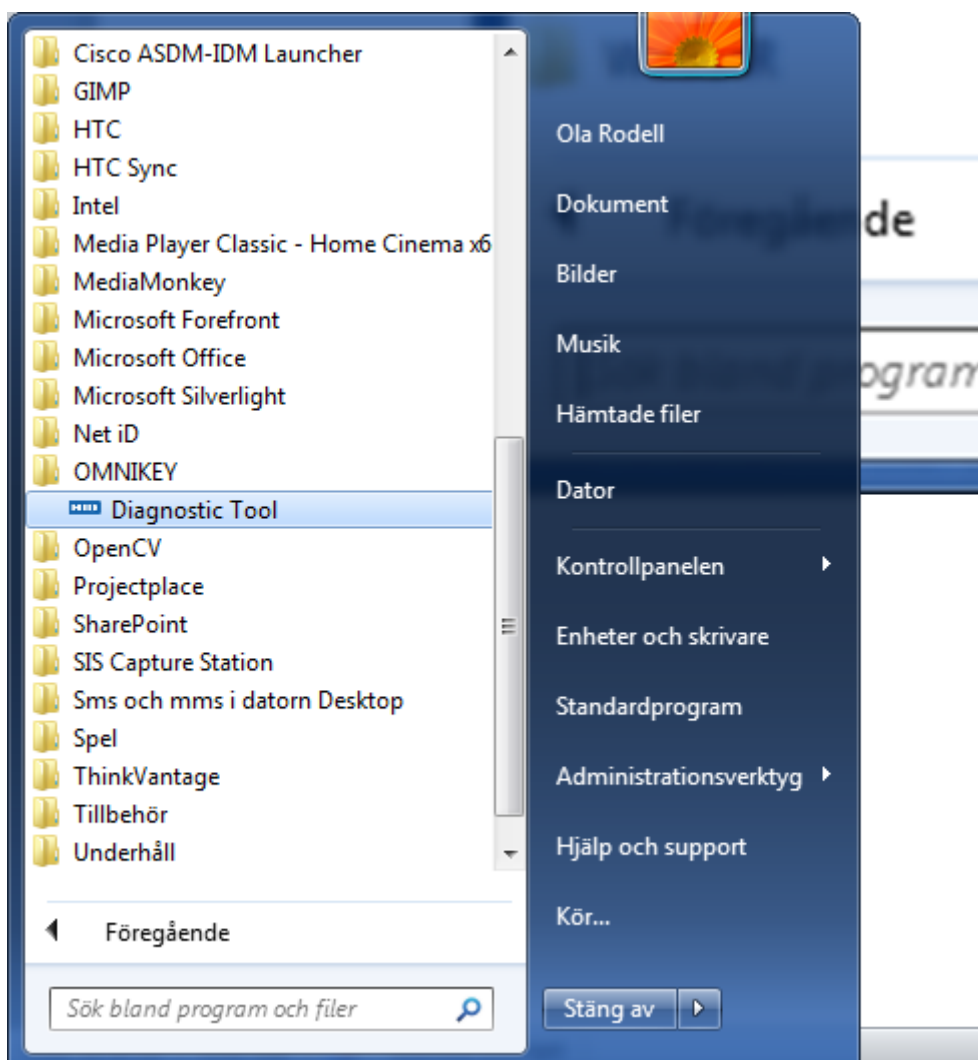




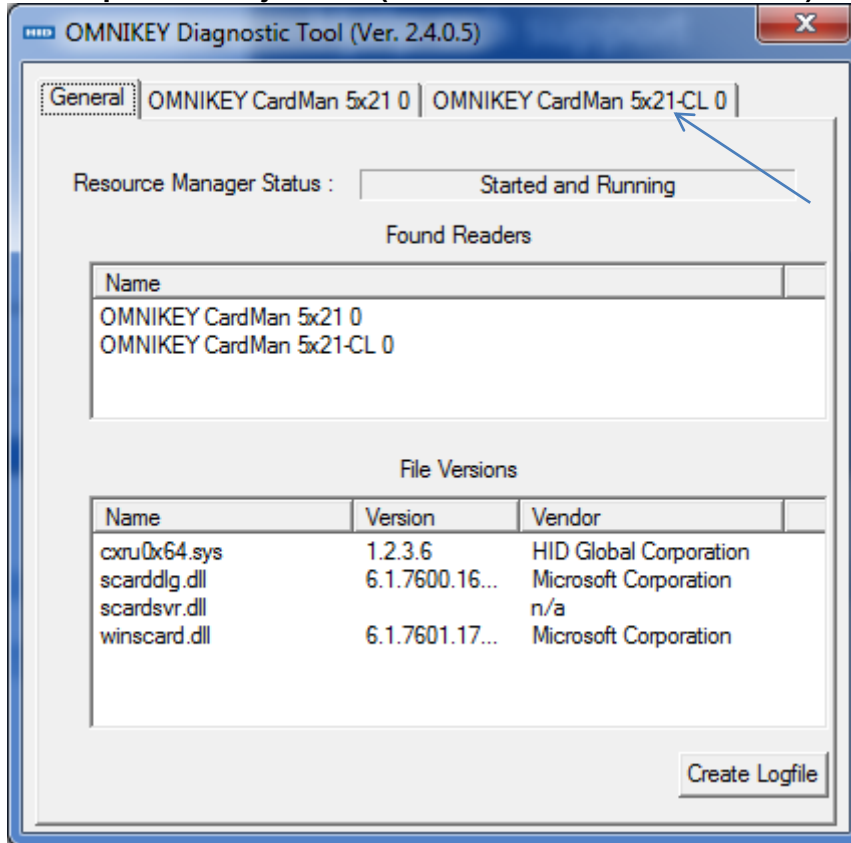
Hur man kontrollerar att MIFARE kretsen fungerar på ett smartcard

Tryck på startknappen och välj OMNIKEY, Diagnostic Tool



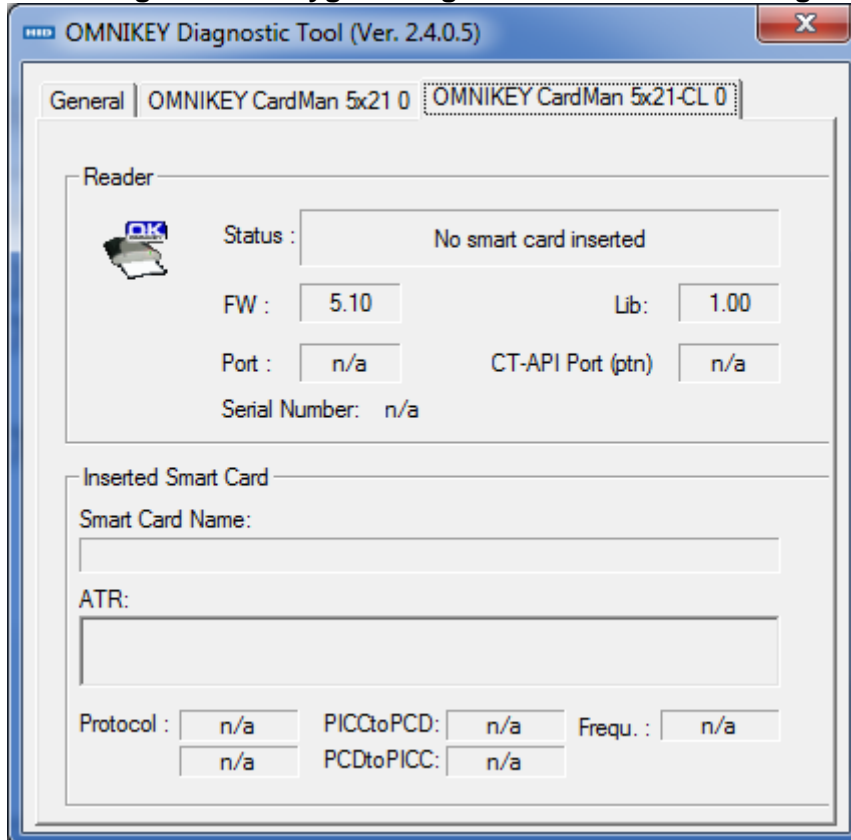


Om du får upp en varningruta om att ett program från en okänd tillverkare är på väg att köras så skall du acceptera att programmet körs.
Jag lyckas inte få någon skärmdump på detta!!!

**Klicka på den tredje fliken (OMNIKEY CardMan 5x21-CL 0)**



Nu är diagnostikverktyget färdig för att läsa MIFARE slingan från en smartcard





Lägg på kortet på läsaren, om allt fungerar så skall dialogrutan information liknande den följande:

