

Malta Identity Card Reader Device -Macintosh Installation and User Guide

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Document Purpose

To show Malta Identity (ID) card holders how to:

- Install the Smartcard Utility software on a Macintosh;
- Change the ID card Transport Authentication and Signature PINs;
- Configure the Authentication and Signature certificates for usage within the Firefox browser;
- Create and embed a Digital Signature within an Adobe document.

The document also contains "Frequently Asked Questions" and "Troubleshooting Guide" sections.

Interface Utility Installation Pre-requisites

Pre	e-requisite	Further information
1.	Operating	macOS 10.11 (El Capitan)
	Systems	macOS 10.12 (Sierra)
		 macOS 10.13 (High Sierra)
		 macOS 10.14 (Mojave)
		macOS 13.4 (Ventura)
2.	ID card	A valid Citizen or Expatriate Maltese ID card that was issued by the
		Identità Registration Authority
		 Your Authentication and Digital Signature PINs that were issued with
		your ID Card
3.	ID card	 A compatible ID card reader device as referenced in the <u>Frequently</u>
	reader and	Asked Questions section of this document.
	drivers	 The latest ID card reader drivers installed for your Macintosh
		operating system version.
4.	Browsers	• Safari
		Firefox
		Chrome
5.	Software	Adobe Acrobat for Digital Signature signing
6.	System	 Sufficient user privileges to install the Smartcard Utility software on
	Installation	your Macintosh.
	Privileges	

Installation Steps

- 1. If applicable, uninstall the Gemalto Classic Client software.
- 2. Go to https://identita.gov.mt/identity-cards-unit-eid-virtual-account-eid-readers/ and select the link to Download the software required to interact with the e-ID card (MAC OS)



Once downloaded:

- 3. Open the Reader_Software_MACOS_.zip file
- 4. Open the macos folder



5. Open the scInterface-MacOSX-.dmg file



6. Open the scinterface-MacOSX.pkg file



7. Select Continue



8. Select Continue



9. Select Continue

	Se	oftware Licence Agreement				
Introd	luction	English	٥			
Read	Me	Non-Exclusive Software Licensing Agreement				
Licen	ce	(single-user and network version) cv act sc/interface & cv act sc/interface (biometric)				
Desti	nation Select	If you install cy act sc/interface (biometric), make sure you read the				
Instal	lation Type	notice in before hand. Software license of cv cryptovision GmbH, Munscheidstr. 14, 45886 Gelsenkirchen, in the following referred to as cryptovision.				
Instal	lation					
Sumn	nary	Read the following licensing conditions you - in the following also referred to a interface & cv act sc/interface (biometr opening the software packaging respe on your computer you explicitly state y following licensing conditions. In case that you are not consent to the may not use the software. In this case package to cryptovision immediately a and get the purchase price paid back. but licensed for utilization purposes. Ye the data medium, the manual and othe	s attentively and carefully before is licensee - use cv act sc/ ric) on your computer. By ctively by installing the software our agreement with the see licensing conditions, you you can send back the program fter the acquisition or receipt The software is not being sold, ou are only given ownership of or appurtenant written			

10. Select Agree

			🥪 Install scinterface
0 0 0	Inti Rea Lic	To continue insta software licence Click Agree to con the Installer.	alling the software you must agree to the terms of the agreement.
0	De Ins	Read Licence	Disagree Agree
 Insta Sum 		allation	Gelsenkirchen, in the following referred to as cryptovision. Read the following licensing conditions attentively and carefully before you - in the following also referred to as licensee - use cv act sc/ interface & cv act sc/interface (biometric) on your computer. By opening the software packaging respectively by installing the software on your computer you explicitly state your agreement with the following licensing conditions. In case that you are not consent to these licensing conditions, you may not use the software. In this case you can send back the program package to cryptovision immediately after the acquisition or receipt and get the purchase price paid back. The software is not being sold, but licensed for utilization purposes. You are only given ownership of the data medium, the manual and other appurtenant written
		69099	Print Save Go Back Continue

11. Select Install

	🐨 Install scinterface				
	Standard Install on "Macintosh HD"				
Introduction	This will take 27.9 MB of space on your computer.				
Read Me	Click Install to perform a standard installation of this software				
Licence	on the disk "Macintosh HD".				
Destination Select					
Installation Type					
Installation					
Summary					
	Change Install Location				
	Customise Go Back Install				

12. Enter your Username Password and select Install Software

	🥪 Install scinterface
	Installing scInterface
 Introduction Read Me Licence Destination Select Installation Type Installation Summary 	Installer is trying to install new software. Enter your password to allow this. Username: Malta Demo Password: Cancel Install Software
	Go Back Continue

13. Select Close



14. Select OK



Changing the Transport Authentication and Signature PINs

New ID cards come with a 4 digit Transport Authentication and 4 digit Transport Signature PIN which must be changed to something that you can remember. The minimum and maximum PIN digit requirement for Authentication and Signature is 6 to 8 digits.

The first time you use your new ID card with the Smartcard Utility, you will be prompted to change your Transport Authentication and Signature PINs.

- 1. Connect your ID card reader device to your Macintosh and pair your ID card. Depending on the type of card and reader device, the ID card could be placed inside the card reader device or on top of the contactless symbol.
- 2. In Applications, Open SmartcardUtility



Note – if the SmartCard Utility opens with message "No valid smartcards found", this may be resolved by installing the latest ID card reader drivers for your Macintosh operating system version.

- 3. To change the Transport Authentication PIN:
 - > Enter the 4 digit Transport Authentication PIN in the Transport PIN field.
 - > Enter a new 6 to 8 digit PIN in the New Authentication PIN field.
 - > Enter the new 6 to 8 digit PIN once more in the Confirm Authentication PIN field.
 - Select OK

		Authentication PIN Initialization
Your Authentication PIN needs to be initialized. Please type in your Transport PIN as well as the new Authentication PIN Token: Malta eID		
	Transport PIN:	
New A	Authentication PIN:	
Confirm Authentication PIN:		
		OK Cance

Once you have changed your Transport Authentication PIN, you will be prompted to change your Transport Signature PIN.

- 4. To change the Transport Signature PIN:
 - > Enter the 4 digit Transport Signature PIN in the Transport PIN field.
 - > Enter a new 6 to 8 digit PIN in the New Signature PIN field.
 - > Enter the new 6 to 8 digit PIN once more in the Confirm Signature PIN field.
 - Select OK

		Signature PIN Initialization	
(••	Your Signatu Transport Pli Token: Malta elD	re PIN needs to be initialized. Please type in your N as well as the new Signature PIN	
i i	Transport PIN:		
News	Signature PIN:		
Confirm S	Signature PIN:		
		ОК	Cancel

Changing the Authentication and Signature PINs

Once you have changed the Transport Authentication and Signature PINs, any subsequent PIN amendments can be done by following the process below.

- 1. Connect your ID card reader device to your Macintosh and pair your ID card. Depending on the type of card and reader device, the ID card could be placed inside the card reader device or on top of the contactless symbol.
- 2. In Applications, Open Smartcard Utility



- 3. To change the Authentication PIN:
 - > Enter the old 6 to 8 digit Authentication PIN in the Old PIN field.
 - > Enter a new 6 to 8 digit PIN in the New PIN field.
 - > Enter the new 6 to 8 digit PIN once more in the Confirm new PIN field.
 - Select Change PIN

	countovision I Itility			
	PCSC ACS ACR1281 1S Dual Reader(2)			
	Card Label: Malta eID, Malta Residents Card ID: 460397bf-b739-5352-896f-6b4f2b462321			
	Change PIN Export Certificates			
cv cryptovision gmbh				
2.000	Here you can change the PIN of your smart card			
	PIN to change: Malta Residents: Authentication PIN			
	PIN Information: Tries remaining = 3; Transport state = NO [PIN is initialized]			
crypto√ Ision	Confirm new PIN:			
advanced cryptographic technology				
	Change PIN			

4. Select OK



- 5. To change the Signature PIN:
 - From the PIN to change drop down menu, ensure Signature PIN is selected.
 - > Enter the old 6 to 8 digit Signature PIN in the Old PIN field.
 - > Enter a new 6 to 8 digit PIN in the New PIN field.
 - > Enter the new 6 to 8 digit PIN once more in the Confirm new PIN field.
 - Select Change PIN.

	cryptovision Utility				
	PCSC ACS ACR1281 1S Dual Reader(2)				
	Card Label: Malta eID, Malta Residents Card ID: 460397bf-b739-5352-896f-6b4f2b462321				
	Change PIN Export Certificates				
cv cryptovision gmbh					
2.6.55	Here you can change the PIN of your smart card				
	PIN to change: Malta Residents Signature PIN PIN Information: Tries remaining = 3; Transport state = NO [PIN is initialized]				
\sim					
crypto Vision advanced cryptographic technology	Confirm new PIN:				
	Change PIN				

6. Select OK



Frequently Asked Questions

Why have ID card reader devices been introduced?

In line with the European Commission's intention to improve the security of transactions made online, the Government of Malta (GOM) has introduced digital certificates on electronic ID cards which can be read with an ID card reader device.

What are the various interface types for the ID card reader devices and what are the usage scenarios?

The interface types for the ID card reader devices are described in the table below:

Card	Connection Type Description	Suitable for reading
Reader		
Interface		
Туре		
Contact	There is a physical wire connecting the	ID cards that have a visble chip.
	idenity card reader to your Macintosh.	
	The idenity card needs to be placed into the ID card reader.	
Contactless	There is no requirement for the ID card	ID cards that do not have a visible chip
	to be placed into the ID card reader	(the chip is embedded inside the card).
	device. The ID card reader device can	
	wirelessley detect the ID card providing	
	its within close proximity.	
Dual Interface	This ID card reader can operate in both a "contact" and "contactless" capacity.	 ID cards that have a visble chip. ID cards that do not have a visible chip (the chip is embedded inside the card).

Which ID card reader device should I purchase?

The ID card readers that have been successfully tested with the Smartcard Utility software are listed below:

Card Reader	Image	Contactless,	Product	Operating System
Device Name		Contact, or	Information	Support
		Dual Interface		
Identiv uTrust 3700 F		Contactless	https://suppo rt.identiv.com /3700F/	Windows 8.1 / Windows 10 / Windows 11 / MAC OS
Identiv CLOUD 4701 F		Dual Interface	https://suppo rt.identiv.com /4701f/	Windows 8.1 / Windows 10 / Windows 11 / MAC OS
ACS ACR1281U-C1		Dual interface	https://ww w.acs.com.h k/en/produ cts/159/acr 1281u-c1- dualboost- ii-usb-dual- interface- reader/	Windows 8.1 / Windows 10 / Windows 11 / MAC OS

Where can I get my ID card reader device?

All ID card reader devices can be purchased from card reader distributors which can be found on the internet.

What are Digital Certificates?

Digital Certificates are used to electronically verify that a person is legitimate. The concept of Digital Certificates is like holding a passport or driving license in that they can be used to prove identity and serve a purpose; for example, they can be used to verify a person's age.

What is Authentication and a Digital Signature?

Authentication is an act of checking and verifying the correct identity of an individual;

A Digital Signature is an electronic (computer based) signature.

Is there an age restriction for use of the Authentication and Signature certificates?

The Authentication and Signature certificates on the ID card can be utilised from the age of 18 years and older.

Where are the Authentication and Signature certificates on an electronic ID card?

The Authentication and Signature certificates are embedded within electronic chips within your ID card.

How does my personal information get onto the Authentication and Signature certificates within the electronic ID card?

Personal information that has been captured during the application process (such as personal fingerprint data) is embedded onto the ID card during the production process.

Is my personal information safe if it has been transferred to the ID card?

Personal information stored on the electronic ID card is encrypted meaning that it cannot be read without the correct secure procedures being followed.

How do I activate and use my ID card for e-government subscribed services?

Please see the link below for more information:

https://subscribedservices.gov.mt/portal/webforms/howdoigetaccesstosubscribedservices.aspx#Register

How do I use my Digital Signature within Adobe Acrobat?

If you are signing an Adobe document via your internet browser, you need to connect your ID card reader device and pair your ID card. The browser will prompt you for your Signature PIN code.

If you want to Digitally Sign an Adobe document directly (without your internet browser) please follow the steps below.

- 1. Connect your ID card reader device to your Macintosh and pair your ID card. Depending on the type of card and reader device, the ID card could be placed inside the card reader device or placed on top of the contactless symbol.
- 2. Within the Adobe document that you want to digitally sign, select Tools and then the Certificates icon



3. You should now see the Digitally Sign option; select Digitally Sign.



4. Using your mouse, click and drag to draw the area where you would like the signature to appear.



5. Select Continue.

Note – you can find more information on the signature details by selecting View Details.

Sign with a Digital ID	×
Choose the Digital ID that you want to use for signing:	Refresh
• Specimena K/A Specimena SPE (PKCS#11 device) Issued by: NTE Test Government of Malta, Expires: 2029.06.11	View Details
(?) Configure New Digital ID Cance	el Continue

6. Select your signature **Appearance** from the drop down, enter your 6 to 8 digit Signature PIN and select Sign.

Sign as "S	pecimena K/A Specim	ena SPECIMENA K	/A SPE ×
Appearance	My Digital Signature	~	Create Edit
Specin Specin SPEC SPEC (Authe	mena K/A mena IMENA K/A IMENA entication)	Digitally K/A Spec K/A SPE (Authent Date: 20 +01'00'	signed by Specimena cimena SPECIMENA CIMENA ication) 20.02.20 17:44:11
Lock doc	ument after signing		View Certificate Details
			Back Sign

7. When prompted, enter a name for you save the document to a location of your choice.

Save As:	DocumentToSign	
Tags:		
Where:	Desktop	•
Format:	Adobe PDF Files 😂	
	Cancel	Save

8. You should now see your Digital Signature on the document.



Troubleshooting Guide

Where can I go for help in using the Smartcard Utility software?

If you are having issues with installing or using the Smartcard Utility software, this could be related to your network connection, some damage to your ID card or ID card reader device – or a software product installed on your Macintosh that is causing a conflict.

If you require further support, then please contact at <u>enquiries.identita@gov.mt</u> or +356 2590 4000.

My Authentication and/or Signature PIN has been locked.

To unlock your Authentication or Signature PIN, please contact the Identità Registration Authority office which issued your card. You will need to go to the Registration Authority Office where the Officer can unlock your Authentication or Signature PIN.

I have forgotten my Authentication and/or Signature PIN.

If you have forgotten your Authentication or Signature PIN, you will need to apply for a replacement ID card, and you will be issued with new PINs. Please contact the Identità Registration Authority office which issued your card.

I believe that someone else may know my Authentication and/or Signature PIN.

Please change your Authentication and/or Signature PIN using the Change PIN function within the **Smartcard Utility** software.