

Scanner Setup Guide – MacOS ml:Deal

(Screenshots from OS X El Capitan 10.11.6)

Getting Started

- 1. Connect the mI:Deal scanner to the Mac via USB
- 2. Go to System Settings -> Network and ensure that a connection to the mI:Deal is listed.
- a. System Settings can be found on either the dock or the Apple menu.
 - i. Dock:



ii. Apple menu:



b . Go to Network



 c . Look for a mI:Deal entry

	Network		Q Search
Loc	ation: Automatic	0	
Image: mlDeal Connected Image: Connected Wi-Fi Connected Image: Connected	Status:	Connected mIDeal is currently active address 192.168.1.196.	and has the IP
Ethernet Not Connected	Configure IPv4:	Using DHCP	\$
FireWire	IP Address:	192.168.1.196	
iPhone USB	Subnet Mask:	255.255.255.0	
Not Connected	Router:		
iPad USB Not Connected	DNS Server:	192.168.1.1	
Bluetooth PAN Not Connected	Search Domains:	panini	
Thundet Bridge Not Connected			
+ - &-			Advanced ?
Click the lock to make char	nges.	Assist me	Revert Apply

- d. Ensure the mI:Deal is selected and make a note of the DNS Server listed on this screen. You will use this IP address to access the configuration page in the next step.
- 3. Open a browser and go to the IP address from the previous step.
- 4. The mI:Deal configuration page should load.



This ml:Deal configuration page will allow you to change the scanner access configuration, update the scanner firmware, check the status of the device and see item capture counts and statistics, access basic information about the device through the 'help' section, review the scan configuration, and perform a test capture from the 'start scan' button.

- a. If this page does not load, it is likely that there is a conflict with the default IP address that is assigned to the scanner. If this is the case, the client will need to temporarily disconnect their computer from the network/internet in order to properly load this page and complete the following steps. Have them disconnect the computer and try to reload the page (They can reconnect the computer once the following steps are completed).
- 5. From the left-hand menu, click on the Configuration link.



6. The Configuration link will display the mI:Deal Check Scanner Configuration page, which has links to additional configuration options.

	mI:Deal Check Scanner Configuration
Home	Miscellaneous Parameters Setup Connection Parameters Setup Password Setup Bulk Setup End Access Session
	Access Level: None Configuration Type: Open Working Mode: RNDIS + Ethernet

7 . Click on Connection Parameters Setup. This link allows configuration of the current access type 'Working mode' for the mI:Deal.

USB Mode	 RNDIS (TCP/IP over USB) POS (Virtual serial over USB, with custom protocol) RS-232 Dongle (Physical RS232 port, with custom protocol)) Wi-Fi 	
Ethernet	2 Enabled	

a. If the scanner will be used via the USB connection, the 'RNDIS (TCP/IP over USB)' setting should be used. This should be the default setting.

OR:

b. If the scanner will be accessed via Wi-Fi (and the Wi-Fi dongle is connected to the device), the Wi-Fi setting should be selected here. Click next to continue.

8. The Connection Parameters options are displayed (for the USB mode selected on the prior screen).

RNDIS Mode			an gang térdesi	
IP Address Subnet Mask	192.168. ⁻ 255.255.	1.1		
Default Gatewa	iy			
Manufacturer N Product Name	lame Panini mideal			
☑ On-board DF	ICP Server	Pool Start Address Pool End Address Lease Time [h]	192.168.1.100 192.168.1.200 24	
Ethernet				
Addressing Mod	de OHCP Fixed	IP Address Subnet Mask Default Gateway DNS Server 1 DNS Server 2	192.168.43.5 255.255.255.0	
	ICP Server			
Name Resolutio	on			
Device Name DNS NetBios mDNS	mideal-%sn% Domain Name Workgroup Na	panini Ime PANINI		
HTTPS: Default cert	tificate ᅌ			
Device Name	mideal	R	oot CA Certificate Download	(PEM Format)

- a. For a 'basic' setup, there should generally be no changes needed to the default settings.
- b. Depending on your network configuration, one or more changes may be appropriate. In the event of a possible IP conflict, the default value of 192.168.1.XXX should be adjusted to eliminate the conflict. Modify this value to 192.168.2.XXX

- c. Note: You will need to also modify the Pool Start Address and Pool End Address to reflect this new IP range. This can be done by simple changing the third octet from .1 to .2 but leaving the fourth octet alone.
- d. Refer to Panini's documentation for more comprehensive information on other settings.
- 9. At the bottom of the Connection Parameters page, under the HTTPS section, we need to make sure that HTTPS is set for 'Default Certificate' from the drop-down.



Once *Default Certificate* has been selected, make sure the Device Name is populated with something (default should be *mideal*) and then click the link to download the HTTPS certificate for the device - this certificate is generated by the device. We have been using the *Root CA Certificate Download (X509 DER Format)* link.

HTTPS: Default certificate	
Device Name mideal	Root CA Certificate Download (PEM Format)
	Root CA Certificate Download (X509 DER Format)

10. Clicking on the link will download the certificate to the default download location on the Mac and will show in the dock that the file has been downloaded. The certificate is accessible either from the shortcut in the dock or from the downloads folder (Finder -> Go -> Downloads).



•••	0 Downloads				
$\langle \rangle$				Q Search	
Favorites	Name	Size	Kind	Date Added	~
AirDrop	PaniniCA-Cert.crt	1 KB	certificate	Today, 2:06 PM	
All My Files					
🛆 iCloud Dri					
OneDrive					
🕂 Applicatio					
Desktop					
Documents					
Downloads					
Devices					
🗐 ВООТСА					
Tags					
Red					
Orange					
Yellow					

11. Click on the certificate to open keychain access. The certificate will be displayed under the certificates category.

• •	•			Keychain Acces	SS		
	Click to lock the login keychain.						Q Search
A A []	Keychains login iCloud System System Roots	Apple Application Integration Certification Authority Intermediate certificate authority Expires: Wednesday, July 26, 2017 at 2:16:09 PM Central Daylight Time This certificate is valid					
		Name		Kind	Expires	Keychain	
		📴 Apple Ap	plicatification Authority	certificate	Jul 26, 2017, 2:16:09 PM	login	
		Image: Second	e.id875537276773d3d	certificate	Jul 26, 2017, 2:16:09 PM	login	
		📷 Panini Co	ertification Authority	certificate	Oct 13, 2035, 12:18:16 PM	login	
	Category						
R	All Items						
1	Passwords						
a	Secure Notes						
100	My Certificates						
Ŷ	Keys						
- 10	Certificates						
		+ i Cop	y		3 items		

12. Right-Click on the Panini Certification Authority certificate, select 'Get Info'

13. The Certificate info window appears.

Panini Certification Authority					
Certificate Certificate Continue Certificate Root certificate Expires: S This root Trust Details	Certification Authority ificate authority Saturday, October 13, 2035 at 12:18:16 PM Central Daylight Time not certificate is not trusted				
Subject Name Organization Locality State/Province Country Common Name	Panini S.p.A. Torino TO IT Panini Certification Authority				
Issuer Name Organization Locality State/Province Country Common Name Serial Number	Panini S.p.A. Torino TO IT Panini Certification Authority 00 E8 DC A1 3C B8 1A FA BD				
Version	3				

a . Click the drop-down arrow next to 'Trust.'

• • •	Panini C	ertification Authority						
Certificate Panini Certification Authority Root certificate authority Expires: Saturday, October 13, 2035 at 12:18:16 PM Central Daylight Time Trust Trust								
When using this	certificate:	Use System Defaults	≎ ?	l				
Secure Sockets L	ayer (SSL)	no value specified	0					
Secure Mail (S/MIME)		no value specified	٥					
Extensible Authentica	tion (EAP)	no value specified	0					
IP Secur	ity (IPsec)	no value specified	0					
iCha	t Security	no value specified	0					
Kerbe	ros Client	no value specified	0					
Kerbe	ros Server	no value specified	0					
Cod	de Signing	no value specified	0					
Time	Stamping	no value specified	0					

b. For the 'When Using this Certificate' option, select 'Always Trust' from the drop-down, and then close the window.



14. A prompt may appear asking for the user's password in order to allow the change to the certificate trust settings - if so, enter the requested credentials and hit 'update settings.

You are ma Settings. T	king changes to your Certificate Trust ype your password to allow this.					
Username: Mac User						
Password:						
	Cancel Update Settings					

15. The certificate should now show in the keychain as being marked as trusted for the current user.

•	•	Keychain Access					
	Click to lock the lo	gin keychain.					Q Search
A 	Keychains login iCloud System System Roots	Certificate	Panini Certification Root certificate authorit Expires: Saturday, Octob This certificate is man	Authority y per 13, 2035 at 12 ked as trusted for	:18:16 PM Central Daylight Time r this account		
		Name		Kind	Expires ^	Keychain	
		🛐 Apple Ap	plicatification Authority	certificate	Jul 26, 2017, 2:16:09 PM	login	
		🕨 📴 com.app	le.id875537276773d3d	certificate	Jul 26, 2017, 2:16:09 PM	login	
		🔄 📴 Panini C	ertification Authority	certificate	Oct 13, 2035, 12:18:16 PM	login	
	Category						
	All Items Passwords Secure Notes My Certificates Keys Certificates						
		+ i Cop	y		3 items		

- 16. Once the client has successfully completed these steps, power cycle the scanner.
- a. If you had to disconnect from the network during step 3-b, reconnect the computer to the network at this time.
- 17. Log into Prosperity Bank Remote Deposit Capture and test.

Need Assistance?

Please contact Prosperity Bank's Remote Deposit team at (281)269-7165 or email remote.capture@prosperitybankusa.com.