

Mifare card OR Finger access



OR



Design for: Sigma Multi and Sigma Lite Multi

They might be some difference in screen shots to your current version of Software

Requirements

- Morpho manager software (<http://service.morphotrak.com/software-links.html>)
- You need a Omnikey , to encode onto your Mifare Card
- Omnikey 5021 CL or
- Omnikey 5321
- You would require a MSO to capture fingerprints



Step One

- Step One

1-User Authentication Mode

- **Create a User Authentication**
- **Path>Administration>User Authentication Mode**
- **Designate the authentication mode you wish to utilize for user placed into this User Policy**

1-User Authentication Mode

Create a New User Authentication

The screenshot shows a web application interface with a dark blue header and a light gray sidebar. The header contains navigation links: Home, Administration, User Management, MSO Identification, Access Logs, and Reports. The sidebar, titled 'Items', lists various configuration options: Operator, Key Policy, Biometric Device Profile, Biometric Device, Wiegand Profiles, User Policy, Access Schedules, User Distribution Group, User Authentication Mode (highlighted with a blue box and a blue arrow pointing to it from the left), and Operator Role. The main content area is titled 'Adding User Authentication Mode' and contains the following fields and controls:

- Enter details for this User Authentication Mode**
- Name:** A text input field containing 'Mifare OR Finger'.
- Description:** An empty text input field.
- MA 100, MA J, MA 500, and MA VP Mode:** A dropdown menu set to 'None'.
- Morpho 3D Face Mode:** A dropdown menu set to 'None'.
- Warning:** A yellow warning icon followed by the text: 'Smartcard encoding will prefer the MA Sigma settings over MA 100, MA J, MA 500, and MA VP mode settings.'

Click Next

1-User Authentication Mode

Create a New User Authentication

The screenshot shows a configuration page for user authentication. On the left is a navigation menu with the following items: Operator, Key Policy, Biometric Device Profile, Biometric Device, Wiegand Profiles, **User Policy**, Access Schedules, User Distribution Group, **User Authentication Mode** (highlighted with a blue arrow), and Operator Role. The main content area is titled "Enter MA Sigma, MA Sigma Lite, MA Sigma Lite+, MorphoWave Mode details for this User Authentication M". It contains several settings:

- MA Sigma, MA Sigma Lite, MA Sigma Lite+, MorphoWave Mode: Enabled (with a callout box labeled "Enabled" and an arrow pointing to the dropdown).
- MA Sigma, MA Sigma Lite, MA Sigma Lite+, MorphoWave Settings (grouped in a box):
 - Download Identifier To Device: (with a callout box labeled "Download to Device" and an arrow pointing to the checkbox).
 - Encode To Smartcard Mode: Allow And Prompt (with a callout box labeled "Allow and Prompt" and an arrow pointing to the dropdown).
 - Template Location: Downloaded To Device (with an arrow pointing to the dropdown).
 - Pin Location: None (with an arrow pointing to the dropdown).
 - Allow Start By Biometric:
 - Allow Start By Contactless Card:
 - Allow Start By Keyboard:
 - Allow Start By Wiegand In:
 - Require Pin:
 - Require Template Match:

At the bottom center, there is a red button labeled "Click Finish".

Step Two

- Step Two

2-User Policy

- **Create new User Policy**
- **Select the User Policy that this user will belong to. This is an important selection, as the policy will determine Biometric Device access and other access control and time & attendance settings.**


2-User Policy

Items


- Operator
- Key Policy
- Biometric Device Profile
- Biometric Device
- Wiegand Profiles
- User Policy**
- Access Schedules
- User Distribution Group
- User Authentication

Adding User Policy

Enter the details for this User Policy

Name: Mifare OR finger  **Name it**


Description:


Access Mode: All Biometric Devices and Clients  **Select the Wiegand Profile you wish to use for users in this User Policy.**

Allow MA 500 database selection during user enrollment

Access Schedule: 24 hours, 7 days a week

Extended User Details: Display extended user details

Wiegand Profile: Standard 26 bit 

User Authentication Mode: Mifare OR Finger  **Create User Policy: Use the Authentication Mode you created earlier**

Show Photo Capture Page:

Click Finish

Step Three

- Step Three

3-Biometric Device Profile

- **Path Administration>Biometric Device Profile**
- **The Biometric Device Profile will define common settings and parameters for one or more biometric devices. This profile can be applied when adding units into the system from the Biometric Device section of Administration.**

3-Biometric Device Profile

Operator

Key Policy

Biometric Device Profile

Biometric Device

Wiegand Profiles

User Policy

Access Schedules

User Distribution Group

User Authentication Mode

Operator Role

Notifications

Clients

Enter details for the Biometric Device Profile

Name:

Default

Description:

Configuration Mode:

Express

Realtime logging enabled:



Log Retrieval Enabled:



Log retrieval interval:

300

(seconds)

Display name encoding code page:

Western Europe (Default) (ISO-8859-1)

(Applicable to MA500 series only)

Duplicate check on biometrics:



(MA 100, MA J, MA 500, MA VP, MA Sigma, MA Sigma Lite, MA Sigma Lite+, and MorphoWave only. Only applicable to new user adds or rebuild)

MorphoAccess heartbeat interval:

30

(seconds)

Key Policy:

Default original

MA Sigma, MA Sigma Lite, MA Sigma Lite+ Only Settings

Allow Remote Enrollment:



Default User Policy for Remote Enrollment:

Default

You can create a new BDP or edit the default Profile

Click Next

3-Biometric Device Profile

Select the Wiegand Profile to be utilized on the Biometric Device.

Biometric Device Settings

General Settings

Wiegand Profile:

Standard 26 bit

Language:

English

Biometric Threshold Settings

Biometric Threshold:

Recommended

MorphoAccess Vein Print Mode:

Vein and Fingerprint

MorphoAccess Fingerprint Threshold:

3

Morpho 3D Face Identification Threshold:

Medium

Morpho 3D Face Verification Threshold:

Low



Click Next

3-Biometric Device Profile

Operator

Key Policy

Biometric Device Profile

Biometric Device

Wiegand Profiles

User Policy

Access Schedules

User Distribution Group

User Authentication Mode

Operator Role

Notifications

Clients

Multi-Factor Mode Settings

Multi-Factor Mode:

Custom

Custom

Contactless Smart Card Mode:

Contactless Smart Card

Morpho 3D Face Multi-Factor Mode

Mode:

Biometric Only

MorphoAccess 100, 500, J, VP Multi-Factor Mode

Mode:

Mifare Classic

MA SIGMA, MA SIGMA Lite, MA Sigma Lite+ Multi-Factor Modes

Biometric:



Check

Proximity Card:



Wiegand In:



Keypad:



HID iClass:



Mifare Classic:



Check

Mifare DESFire:



Mifare DESFire EV1:



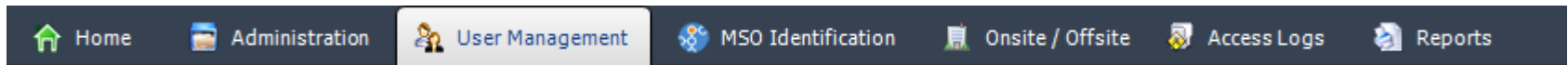
Click Finish

Step Four

- Step four

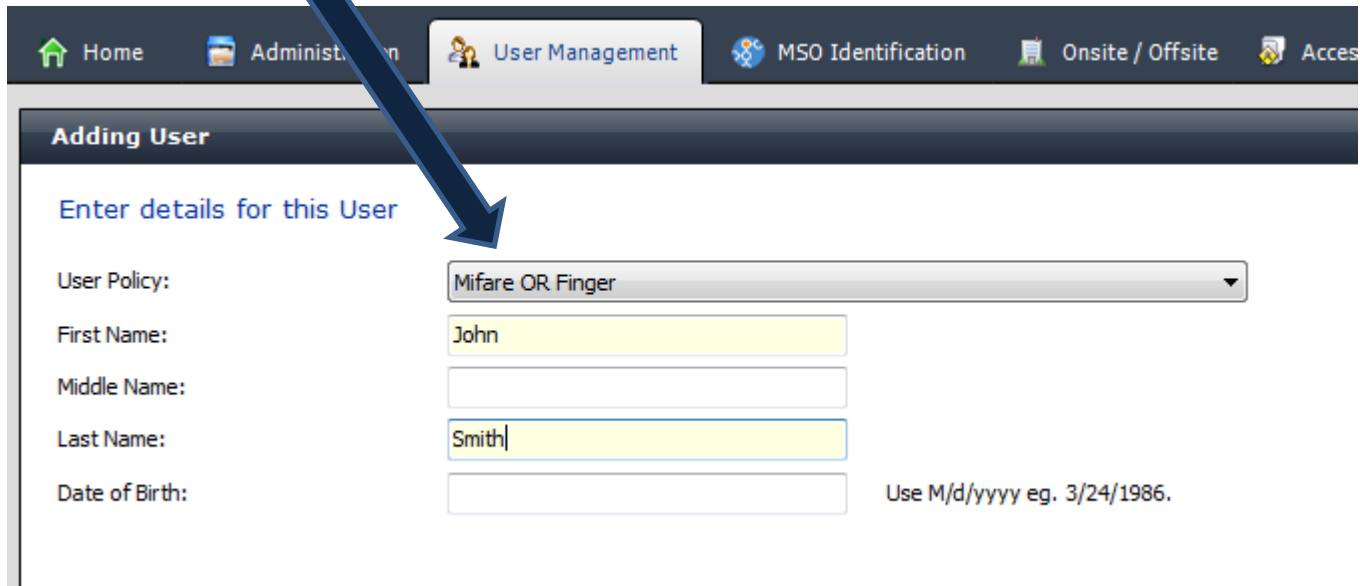
4-User Management

- **Users are people who will have their biometric data sent to the selected Biometric Device for identification purposes for either access control or time and attendance.**
- **Go to User Management**



4-User Management

➤ Assign your user Policy



The screenshot shows a web application interface for user management. The navigation bar includes links for Home, Administration, User Management (highlighted), MSO Identification, Onsite / Offsite, and Access. The main content area is titled 'Adding User' and contains the instruction 'Enter details for this User'. The form fields are as follows:

User Policy:	<input type="text" value="Mifare OR Finger"/>
First Name:	<input type="text" value="John"/>
Middle Name:	<input type="text"/>
Last Name:	<input type="text" value="Smith"/>
Date of Birth:	<input type="text"/> Use M/d/yyyy eg. 3/24/1986.

4-User Management

- The User Id could be the card number or it could be a number you want to associate with this User.
- The User ID number has to fit within your wiegand structure(if using ACP)



Wiegand Values

user Id

The User ID will be sent to your Access Control Panel (if using ACP)

Click Next

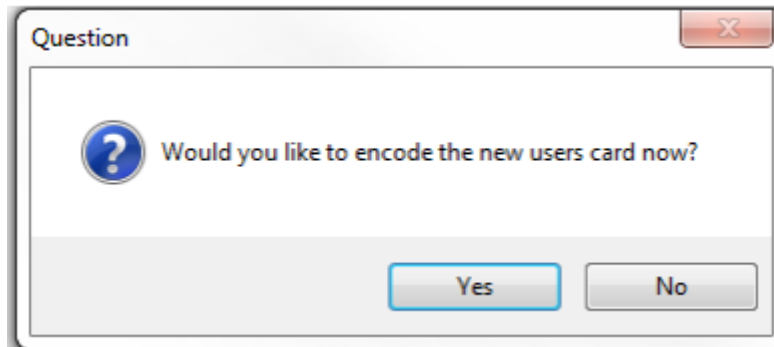
4. User Management

Capture your fingerprints (two fingers mandatory) Use a MSO 300, MSO1300, MSO VP or a Sigma Reader



4-User Management

- It will prompt you to encode the card
- Place your card on the Omnikey or Sigma



Your done

Extra Step

- **Download Morpho Tool Box**
- <http://service.morphotrak.com/software-links.html>

Morpho Tool Box 3.2.0

use with Sigma and Morpho Products

Morpho Tool box 3.2.0 (new)

Extra Step

➤ Connect to the reader

Terminal Type MA Sigma

Connection information

TCP / IP Serial Sr. No - 1350SMS0000043

Address type IP4 IP6

Address 10 . 000 . 000 . 00

Port 11010

Timeout 30 Seconds [5-30]

Use SSL / TLS

Terminal CA certificate path Browse

Client certificate path Browse

Client certificate password

Connection

Extra Step

- Click on the Key Icon



- Look for `ucc.per_user_rule` and change it to 0
- Click on the check mark to save setting

ucc.per_user_rules

1



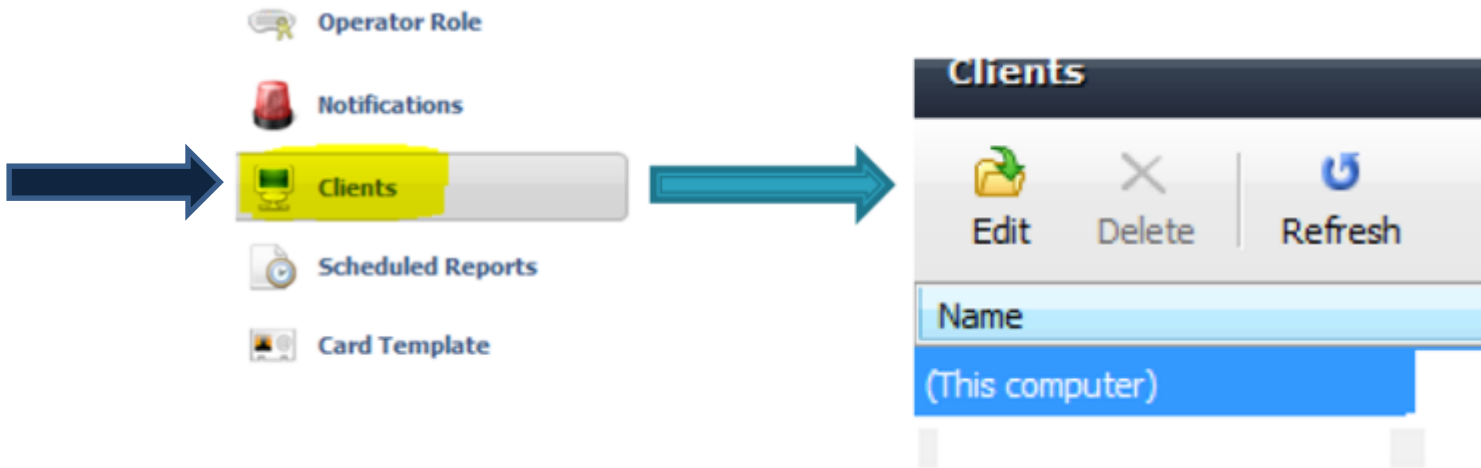
- ***Alternate method if did not have a MSO or a Omnikey***



- Follow this instructions to use a Sigma reader to encode to Mifare card if you do NOT have a Omnikey
- Follow this instructions to add a Sigma to capture fingerprints if you do NOT have a MSO



- ****Morpho Manager Client ****
- Path>Administration> Client>click (This computer) and Edit



- ****Morpho Manager Client ****
- Hit Next until you get to the screen that says Enrollment Devices



Enrollment Devices

Morpho 3D Face enrollment:	<input type="text" value="None"/>	
Morpho 3D Face enrollment biometric device:	<input type="text"/>	<input type="button" value="Search"/>
Morpho Finger biometric enrollment:	<input type="text" value="Any MorphoSmart"/>	
Morpho Finger enrollment MorphoAccess:	<input type="text"/>	<input type="button" value="Search"/>
Morpho Smartcard encoding:	<input type="text" value="Selected PC/SC Smartcard reader"/>	
Morpho Smartcard encoding PC/SC device:	<input type="text"/>	
Morpho Smartcard encoding MorphoAccess:	<input type="text"/>	<input type="button" value="Search"/>
Key Policy:	<input type="text" value="Default"/>	

- ******No MSO but has a Omnikey******
- At Enrollment devices

Change Morpho Finger Biometric enrollment > Selected MorphoAccess and Search for your device that you want to use to capture fingerprints

Change Morpho Smartcard Encoding > Selected PC/SC Smartcard reader > Morpho Smartcard encoding PC/SC to the Omnikey to encode cards

Enrollment Devices

Morpho 3D Face enrollment:	None	
Morpho 3D Face enrollment biometric device:		Search
Morpho Finger biometric enrollment:	Selected MorphoAccess	
Morpho Finger enrollment MorphoAccess:	Sigma Multi	Search
Morpho Smartcard encoding:	Selected PC/SC Smartcard reader	
Morpho Smartcard encoding PC/SC device:	CardMan 5x21-CL OKCM00316121	
Morpho Smartcard encoding MorphoAccess:		Search
Key Policy:	Default	

Click Finish

- *****No MSO and no Omnikey*****
- At Enrollment devices

Change Morpho Finger Biometric enrollment > Selected MorphoAccess and Search for your device that you want to use to capture fingerprints

Change Morpho Smartcard Encoding > Selected MorphoAccess and Search for your device that you want to use to encode cards

Enrollment Devices

Morpho 3D Face enrollment:	None	
Morpho 3D Face enrollment biometric device:		Search
Morpho Finger biometric enrollment:	Selected MorphoAccess	
Morpho Finger enrollment MorphoAccess:	Sigma Multi	Search
Morpho Smartcard encoding:	Selected MorphoAccess	
Morpho Smartcard encoding PC/SC device:		
Morpho Smartcard encoding MorphoAccess:	Sigma Multi	Search
Key Policy:	Default	

Click Finish

- ***Website***

- Please visit our website, Service.morphotrak.com for software, firmware, videos and PDF's.