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Gallagher

# Configuration Instructions for MorphoAccess SIGMA® Lite Series Readers

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## 1 Introduction

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The MorphoAccess® SIGMA Lite Series Biometric Terminal is compatible with version vEL7.30 (or later) of Gallagher Command Centre, once some minor configuration changes are made upon installation.

## 2 Compatibility

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MA Sigma Lite Series readers are supported on the following versions of Gallagher Command Centre:

- vEL7.30 - Bio + Mifare Classic
- vEL7.40 - Bio + Mifare Classic (Mifare Desfire, available as a patch)
- vEL7.50 - Bio + Mifare Classic & Mifare Desfire

**Note:** Sigma Lite Readers will not work with versions v7.20 and below as this uses an older SDK.

## 3 MorphoBioToolBox Installation

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The **MorphoBioToolBox** v3 can be installed on any PC, but should also be installed on the Command Centre server.

MorphoBioToolBox can be installed and executed on a personal computer equipped with one the following operating systems:

- Microsoft Windows 7 (32 bit and 64 bit)
- Microsoft Windows 8.1 (64 bit)
- Microsoft Windows Server 2008, Server 2008 R2 and Server 2012 (all 64 bit)

The following components (available with the Command Centre installation files), must also be installed on your computer:

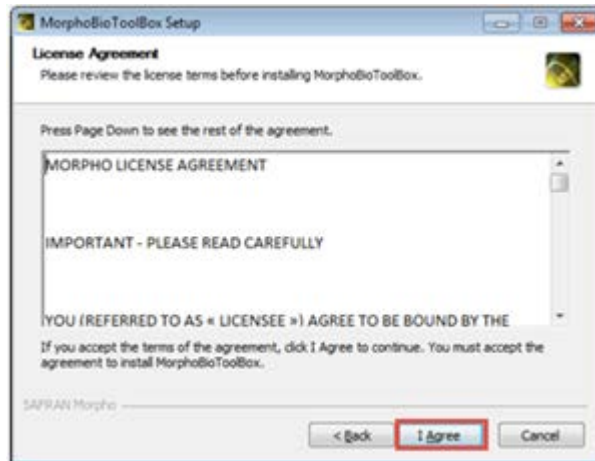
- Microsoft Visual C++ 2010 Redistributable Package x86 (x86 package is required even on a 64 bit computer)
- Microsoft .NET framework 4.0

These free components can be retrieved on the Microsoft website.

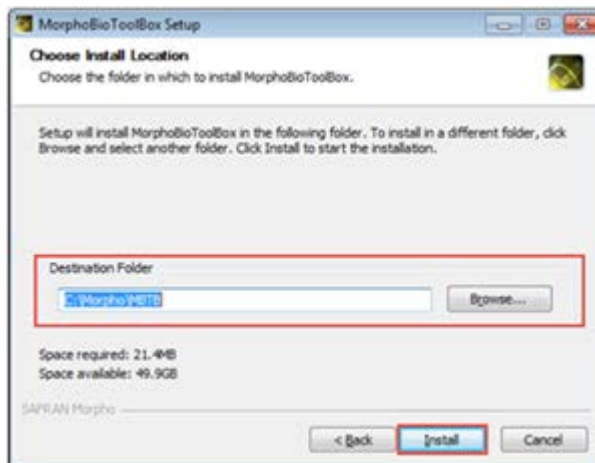
1. Copy the file **Setup\_MorphoBioToolBox\_vx.x.x.exe** from the “Morpho Utilities\Tools” folder to an arbitrary directory on your local hard drive, and execute it.  
The Welcome screen of the MorphoBio ToolBox Setup Wizard displays.



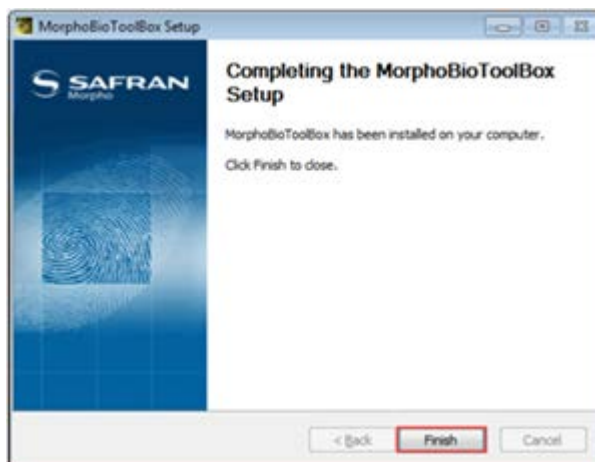
2. Click the **Next** button.  
The License Agreement screen displays.



3. Click the **I Agree** button.  
The **Choose Install Location** screen displays.



4. Choose the **Destination Folder** of MBTB installation, and click the **Install** button to start the proper installation.  
The Completion screen displays when the product is successfully installed.



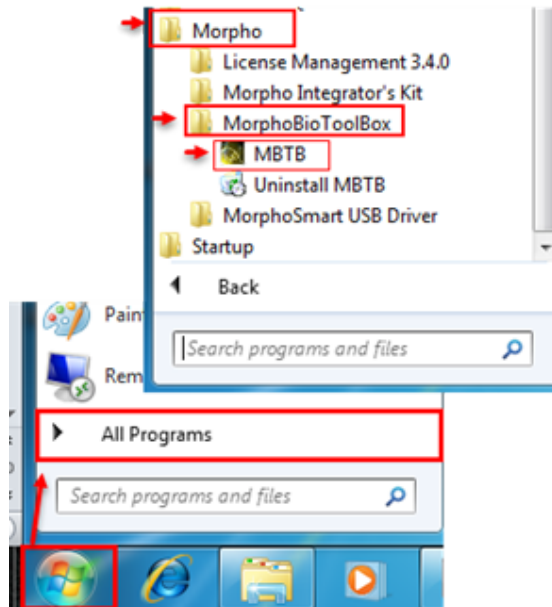
5. Click the **Finish** button.

A USB memory stick is required to transfer the Biobox configuration files to each Sigma (Lite) reader. This memory stick would need to be connected to the female micro USB connector located on the side of the Sigma reader via an adapter cable.

An “On The Go” (OTG) cable with female USB to male Micro USB cable would be suitable for this application. Such cables are readily available from most computer or mobile phone retailers.

Once installed, run the Biobox toolbox 3 as follows:

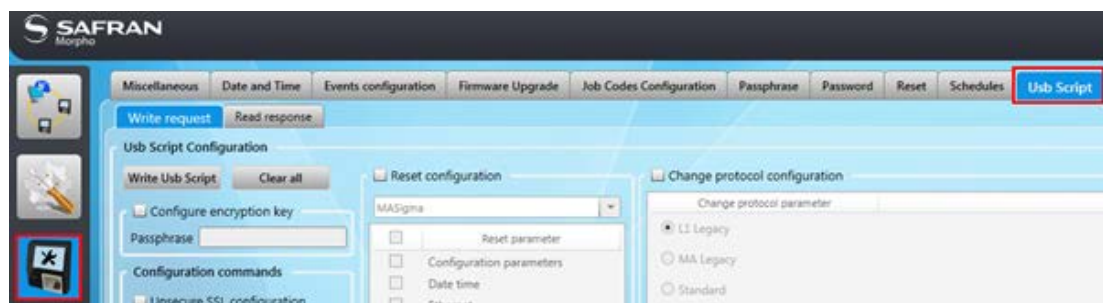
1. From the **Start** menu, click **All Programs > Morpho > MorphoBioToolbox > MBTB**.



2. From the MorphoBioToolbox Connection screen, select the **Device Settings** button.

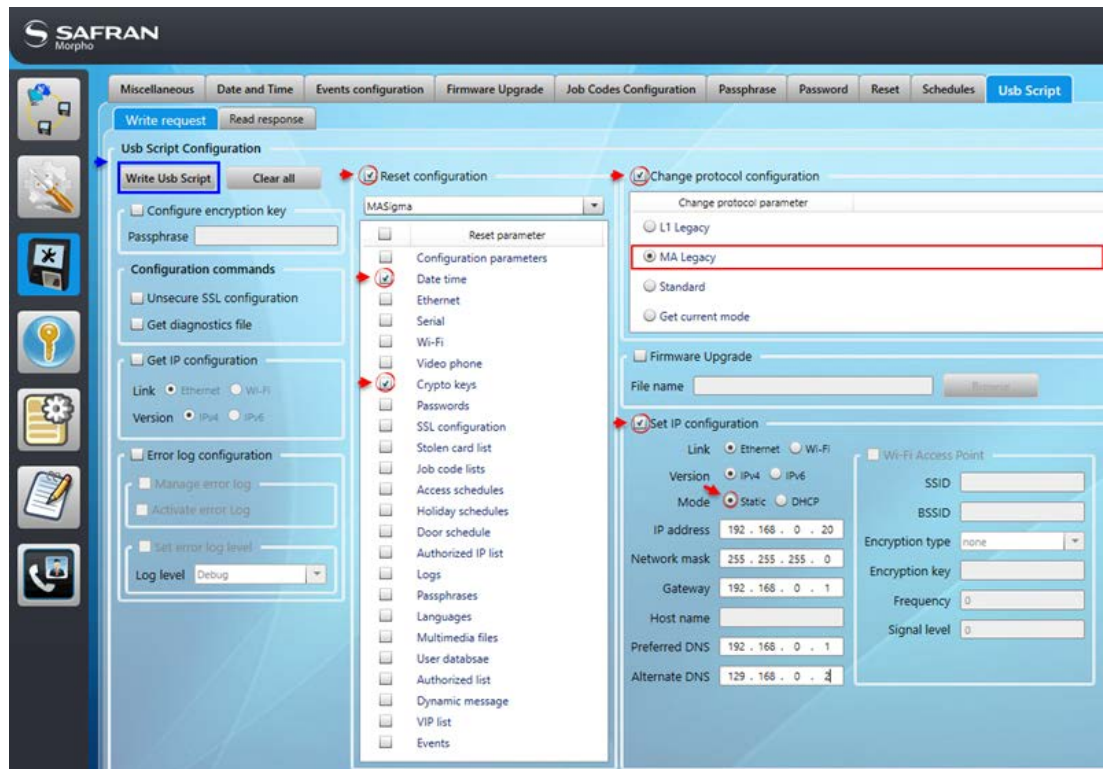


3. Select the “USB Script” option.

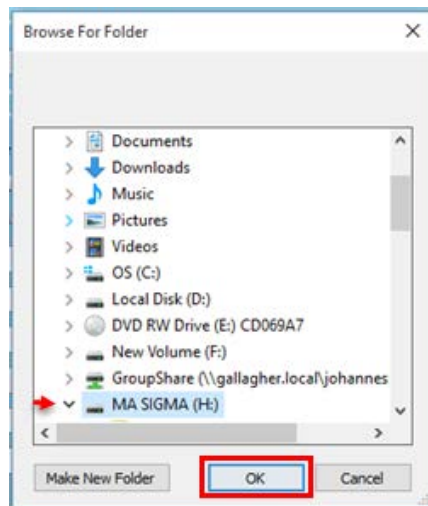


4. Check the **Reset Configuration** checkbox and select the “Date time” and “Crypto keys” options.
5. Check the **Change protocol configuration** checkbox and click the **MA Legacy** radio button.
6. Check the **Set IP configuration** checkbox and click the **Static** radio button for the mode.

7. Set the desired IP setting for this specific reader being configured.
8. Click the **Write USB Script** button to write the files to a USB memory stick.

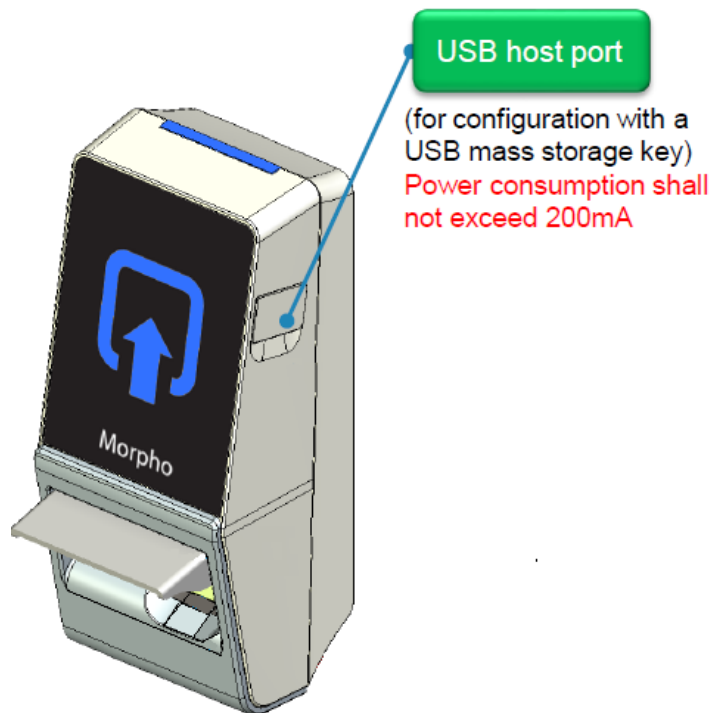


9. Select the USB memory stick from the Browse For Folder screen and click the **OK** button.



10. Unplug the USB memory stick from the PC and plug it into the MA Sigma Lite reader via the OTG cable.

**Note:** The Micro USB can be found on right hand side of reader.



The reader will indicate when the UBS memory stick is plugged in and will give a single beep before restarting.

11. Unplug the USB memory stick from MA Sigma Lite reader when the reader restarts.

The MA Sigma Lite reader should now be ready to be connected to the same network as the Gallagher Command Centre system.


12. Once the reader has restarted, log into the reader via the MorphoBioToolBox from the Command Centre server.
13. Select "MA5xx, MA1xx, MA J, MA VP, OMA5xx" from the Terminal Type drop- down list.
14. Click the **TCP/IP** radio button, and for Address type select the **IP4** radio button.
15. Type in the configured IP address.
16. Click the **Connection** button to connect.

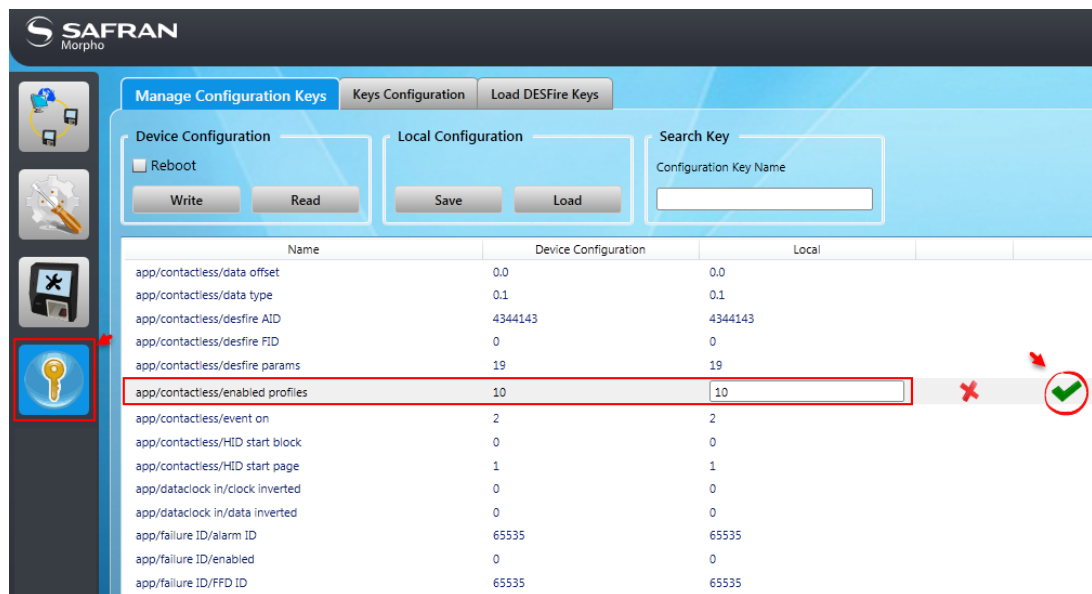


**Note:** The display will change and the “Terminal Information” will display.

17. Select the **Device Settings** button, and then select the **Date and Time** tab.
18. Click the **Set local PC Date and Time** button.



19. Select the **Key Configuration**  button.
20. On the **Manage Configuration Keys** tab, find the “app/contactless/enabled profile” and set the value to 10.



21. Close the MorphoBioToolBox.  
You are now ready to configure the reader in Command Centre.
22. Repeat the process for each subsequent Morpho Lite reader.