



MorphoWave™

Administration Guide Addendum

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Osny, France

WARNING

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Revision History

The table below contains the history of changes made to the present document.

Version	Date	Description
01	July 2015	First version
02	November 2016	Update Terminal firmware upgrade, First Boot Assistant and Low Consumption Mode

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Section 1 : Introduction

Purpose

This document is an addendum to MorphoAccess® Administration Guide, for MorphoWave™ terminal (ref. 2014_0000002196). The purpose of this document is to list all differences between MorphoWave™ and MorphoAccess® Sigma.

Section 2 : Changes

Section 1 changes

Scope of the document

MorphoWave™ is an indoor terminal without contactless smartcard reader.

Safety Instructions

POE (Power Over Ethernet) is not available on MorphoWave™ terminal.

Please refer to MorphoWave™ Installation guide for information about power supply and wiring recommendations.

Section 2 changes

Interfaces description

Contactless card area is not available on MorphoWave™ terminal.

Biometric sensor type and location is different between MorphoAccess® and MorphoWave™ terminals (please refer to MorphoWave™ Quick User Guide). USB port may be inaccessible depending on mechanical integration.

Power Over Ethernet is not available.

Hardware reset button may be inaccessible depending on mechanical integration.

The rear view for wiring depends on mechanical integration.

Wi-Fi™ and 3G links are not available on MorphoWave™.

USB port usage

This chapter is applicable to MorphoWave™ depending on mechanical integration.

USB Wi-Fi™ and 3G adapters are not available on MorphoWave™ terminal.

It is not possible to connect MorphoWave™ to a computer through USB.

Section 3 changes

Wi-Fi™ network configuration

This chapter is not applicable to MorphoWave™ terminal.

Section 4 changes

Understanding MorphoAccess® configuration

Webserver feature is partially supported on MorphoWave™ terminal since firmware 1.0.

USB script feature is not supported on MorphoWave™ terminal since firmware 1.0.

Wi-Fi™ is not available on MorphoWave™ terminal.

Configuring a networked MorphoAccess®

Webserver feature is partially supported on MorphoWave™ terminal since firmware 1.0. Please consider to use MorphoBioToolBox PC software instead.

Wi-Fi™ is not available on MorphoWave™ terminal.

MorphoAccess® Terminal Database Management

Terminal database management is not available through webserver. Please use local administration menu or a PC software instead.

MorphoWave™ maximum database size is 40,000 user records (up to 8 fingers by user record).

MA_WIFI and MA_3G licenses are not available on MorphoWave™ terminal.

Only MA_10K_USERS and MA_40K_USERS licenses are available on MorphoWave™ terminal to extend database size.

Terminal firmware upgrade

Firmware upgrade is not available through USB mass storage key considering mechanical integration aspect.

It is possible to upgrade Firmware of terminal and sensor using MorphoBioToolBox software application. Sensor firmware upgrade is available with MorphoBioToolBox since version 3.1.0 with MorphoWave™ terminal version 2.1.0 and Sensor firmware version 1.6.0.4.0.0.

Note: Sensor firmware version upgrade prior to 1.6.0.4.0.0 is possible by manual process. Information for manual upgrade is available through [Hotline](#).

MorphoWave™ terminal checks for the compatibility of terminal firmware version with sensor firmware version and displays an error in case of incompatibility. If the Sensor firmware version is not compatible, terminal will display “Inconsistent firmware version. Please upgrade Wave sensor firmware” message. Please upgrade Sensor firmware version if you see this message.

In order to avoid compability error it is necessary to upgrade MorphoWave™ terminal firmware prior to upgrade of sensor firmware with suitable firmware version.

MorphoAccess® SIGMA Series modes

There is no support of legacy modes in MorphoWave™ terminal (only native mode is supported).

Section 5 changes

Trigger event

“Contactless card” event is not available in MorphoWave™ terminal.

Language configuration

By default, Arabic and Spanish are not supported in MorphoWave™ terminal.

Wi-Fi™ configuration

This chapter is not applicable to MorphoWave™ terminal.

Protocol configuration

This chapter is not applicable to MorphoWave™ terminal.

First Boot Assistance At Next Boot Configuration

Configuration defined with the First Boot Assistant, can be either permanent or temporary. This is specified by the "First Boot Configuration Storage Type" parameter as described below:

- **ON:** This value indicates that at next startup of the terminal, the First Boot Assistant screen will be displayed.
- **OFF:** This value indicates that at next startup of the terminal, the First Boot Assistant screen will not be displayed.

Access Path

System Menu > First Boot Assistant > First Boot Assistance At Next Boot

Screens & Steps



Figure 1: First Boot Assistance At Next Boot

1. Select ON or OFF
2. Use Check button “” to save the setting

Section 6 changes

User menu

User enrollment workflow is different between MorphoAccess® SIGMA and MorphoWave™, Please refer to MorphoWave™ Quick User Guide.

User enrollment in Card is not available on MorphoWave™ terminal.

In User Rule screen, Record Reference Source is not available on MorphoWave™ terminal.

Card manager is not available on MorphoWave™ terminal.

Multimedia menu

USB port may be inaccessible depending on mechanical integration.

System menu

A new option is available in the “Terminal Settings” menu to disassociate the sensor in case of maintenance needs. Please refer to Installation Guide for more information about this topic.

Communication menu

Wi-Fi™ connection configuration is not available in MorphoWave™ terminal.

Security menu

“Contactless card” is not available in the list of trigger events in MorphoWave™ terminal.

Duress mode is not available in MorphoWave™ terminal.

MFU (Most Frequent Users list) feature is not available in MorphoWave™ terminal.

Photo taking / Face detection feature is available depending on mechanical integration.

USB menu

USB port may be inaccessible depending on mechanical integration.

Firmware upgrade through USB port is not available in MorphoWave™.

Section 7 changes

Camera is available depending on mechanical integration.

Section 8 changes

Webserver is partially supported on MorphoWave™ since firmware 1.0. Some elements could be impossible to use. Please prefer using MorphoBioToolBox PC software for configuration of the MorphoWave™ terminal.

GPI2 and GPO2 are not available on MorphoWave™.

Wi-Fi™ and 3G are not available on MorphoWave™.

MFU (Most Frequent Users list) feature is not available in MorphoWave™ terminal.

“Contactless card” is not available in the list of trigger events on MorphoWave™ terminal.

“Banned card list” is not available in MorphoWave™ terminal.

Section 9 changes

“Contactless card” is not available in the list of trigger events on MorphoWave™ terminal.

“Banned card list” is not available on MorphoWave™ terminal.

Section 10 changes

Only MA_10K_USERS and MA_40K_USERS licenses are available on MorphoWave™ terminal to extend database size.

Section 11 changes

“Contactless card” is not available on MorphoWave™ terminal. All features and workflows associated to contactless cards are not applicable on MorphoWave™ terminals.

Section 12 changes

“Contactless card” is not available on MorphoWave™ terminal. All features and workflows associated to contactless cards are not applicable in MorphoWave™ terminals.

Section 13 changes

Extended Mode 2x8 is not available in MorphoWave™ terminal.

Section 14 changes

It is not possible to send a command to the MorphoWave™ terminal to perform operation on a contactless card in Proxy mode.

Section 15 changes

No change in this section.

Section 16 changes

There is no message for duress finger event sent by a MorphoWave™ terminal.


Section 17 changes

Wi-Fi™ is not available on MorphoWave™ terminal.

Section 18 changes

Terminal in Low Consumption Mode

When terminal is in idle mode, a video is played till configured video play duration. Once Video play duration is reached, terminal shifts to Low Consumption Mode indicated by “Touch to Unlock” animation on the LCD screen and LED blinking.

Biometric Sensor backlight	On
Status LED (On top of the terminal)	Slow Blue Blinking 
Buzzer	Not available in MorphoWave™

Section 19 changes

Wi-Fi™ and 3G are not available on MorphoWave™.

“Contactless card” is not available in the list of trigger events on MorphoWave™ terminal.

Only MA_10K_USERS and MA_40K_USERS licenses are available on MorphoWave™ terminal to extend database size.

Power Over Ethernet is not available on MorphoWave™ terminal.

MorphoWave™ is not compatible with legacy modes and their associated administration software.

Section 20 changes

No change in this section

Annex 1 changes

Please refer to MorphoWave™ Quick User guide for guidance about hand swiping on MorphoWave™ terminal.

Annex 2 changes

This annex is not applicable to MorphoWave™ terminal.

Annex 3 changes

Please refer to Bibliography annex in the document “MorphoWave™ Recommendations for Secure installation” for a list of documents applicable to MorphoWave™ terminal.

Annex 1 : Support

Troubleshooting

Customer service

Morpho

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<http://www.biometric-terminals.com/>

A login and password are required to access the full site content. If an administrator doesn't have one, please send us an email to the address above to request one.

Contact by email is preferred.

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