

Getting Started

PC software

animeo® IB+^{2.0}

SYSTEM SOFTWARE



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Changes can be made without notice.

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SOMFY

Congratulations – for purchasing the animeo IB+ system for controlling solar protection and windows. animeo IB+ is a fully automated system for sun protection and management which also supports local control to suit special conditions. This manual will help you run the animeo IB+ System software, step by step, and set up the animeo IB+ system for the first time.

1. Presentation

For you as the user, the animeo IB+ System software is what links you to the hardware of the animeo IB+ system. Using this software, you can define the limits of your project and its outline. Thanks to the animeo IB+ System software, you can make the pre-configuration of your installation e.g. the number of zones, number and type of sensors and what type of end products the building will be using. Note –animeo IB+ Operating and System software should not run at the same time, because it is not possible to share a COM-port.

2. Terminology

Below is some terminology that is important to understand:

❖ End products:

By end products we mean any device that a motor is controlling. Examples: Venetian blinds, roller blinds, windows.

❖ Position:

When talking about position, we use 0% and 100% to mean:

- blinds 0% fully up 100% down
- windows 0% closed 100% open
- awnings 0% retracted 100% extended

The 0% position is also called a ‘secure` position.

❖ Angle:

By an angle of 0°, we mean that the slats are in horizontal position. An angle of 90° means they are in vertical position. Angles are only used for venetian blinds.

❖ Intermediate Positions (IP):

An IP is a pre-programmed position (and angle if the end product is a Venetian blind) between 0% and 100%. IP1 can be activated either by the central animeo IB+ Operating software, or from the local switches. IP2 can only be activated centrally.

❖ HVAC:

Heating, Ventilation and Air Condition control system.

❖ Security functions:

Functions related to avoiding damage to the physical device or safety of the user. A security command will lock the physical device in a 0% or 100% position. Local control is not possible in this mode.

❖ Non-security functions:

Functions not related to avoiding damage of the physical device or safety of the user. After a ‘non-security` command has been selected, you can control locally if local control is permitted.

❖ Building Controller Unit (BCU)

The BCU is the central processing unit that makes decisions on regarding functions to be activated.

❖ Download:

Download means that the software sends, to the BCU, the settings the user has altered.

3. Working with animeo IB+ System software

These are the different parts of the main window.

- ❑ The menu enables you to manage your files, configuration and to choose COM port and wind units.
- ❑ The communication bar: when a BCU is online, the green online diode will be lit. When there is communication between the PC and the Building Controller the yellow traffic diode will flash.
- ❑ The step bar acts like a progress report and enables you to know where you are in your configuration. There are 12 steps. To view them, set the window start bar in 'auto hide`.
- ❑ The quick access buttons:
 1. Open configuration
 2. Save configuration
 3. Print Report
 4. Download to BCU. When there is no BCU (offline) this icon is disabled.
 5. Upload from BCU. When there is no BCU connected (offline) this icon is disabled.
 6. Overview picture.



Start

Quick access buttons

Short introduction

- 1) Fill in all fields in step 2-12.
- 2) Save your configuration.
- 3) Print a report.
- 4) Download to Animeo IB+ Building Controller if connected or open the file in Animeo IB+ Operating Software and then download.
- 5) Make a backup of the file for future usage.

For more information please study owners manual.

Communication

Step bar



4. Make a new configuration

4.1. Step 1: Start

This window contains only general information.

4.2. Step 2: Project → General settings

Project Settings:

Project Name:

Installer Company:

Installer Contact:

Installer Phone:

Installer Email:

Location (latitude):

Programmed by:

First enter project data and installer data.

- Project name: name of the building.
- Installer details.
- Project latitude. There is a map in the location wizard.
- Programmed by: name of the person that makes the configuration.

Help WEB Address:

In most cases it will be:
www.pro.somfy.com/animeo

User Password:

Password 1: Password 2: Password 3:

All least one password must be typed in.

In the animeo IB+ Operating software, the user must enter a password to be able to make settings. three different passwords are possible. They can be 1–6 characters long, consisting of numbers and letters. The default password is PASSWD.

4.3. Step 3: Project → Units and language

Here you define the animeo operating software language and units.

Project: Units and Language

Time Format:

24 hours
 12 hours

Temperature Unit:

Celsius
 Fahrenheit

Length Unit:

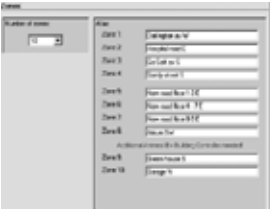
mm
 inch

Wind Unit:

m/s
 km/h
 mph

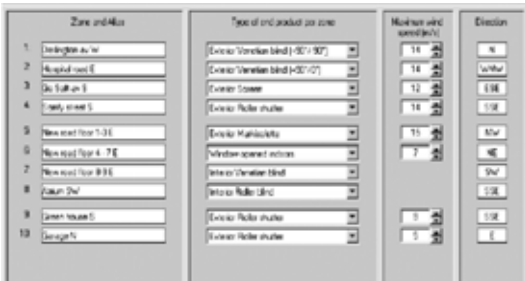
Language:

4.4. Step 4: animeo IB+ Building Controller → Zones and inputs



- ① Set the number of zones and their aliases (up to 16 zones).
- ② Select the HVAC 'get heat' or 'get cold'. This is used for energy functions and window opening.
- ③ Set whether 'major alarm' input should be used. The fire alarm is usually connected here.

4.5. Step 5: animeo IB+ Building Controller → End products



- ① For each zone, select the type of end product.
- ② Choose the maximum wind speed value for safety reasons. The default is 15 m/s. This avoids that too high a threshold is set by mistake in the animeo IB+ Operating software.
- ③ Define the zone orientation to be used for the suntracking. A compass is available in wizard.

4.6. Step 6: Outside sensor box



Define here the number, aliases and types of sensor that will be used.

You need at least one sun sensor.

If a sensor is configured but isn't installed, an error message will be generated. Avoid this scenario in all cases!

4.7. Step 7: Outside extension sensor box



① Define whether the system should contain an outside extension sensor box.

② If yes, define the number, aliases and types of sensor that will be used.

Up to four sun sensors and two wind sensors can be connected.

If a sensor is configured but isn't installed, an error message will be generated. Avoid this scenario in all

4.8. Step 8: Inside sensor box (optional)

- ① Define first whether the system should contain any inside sensor box (up to 2 boxes).
- ② Enter the number of inside temperature sensors, and their aliases for inside sensor box 1 and 2.

Number of Inside Sensor Boxes Installed: 2

On these inside sensor boxes there are also inputs for external commands per zone available.

Inside Temperature sensors box 1:
Number of: 2
Temp. 1 alias:
Temp. 2 alias:

Inside Temperature sensors box 2:
Number of: 2
Temp. 1 alias:
Temp. 2 alias:

4.9. Step 9: Sensor types

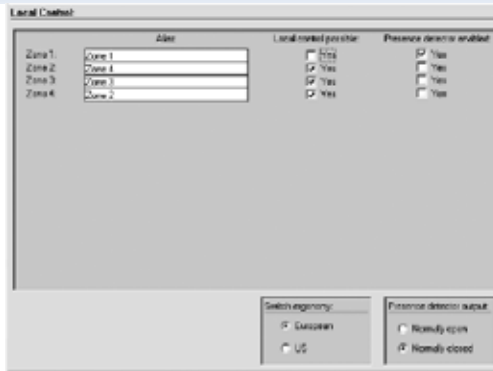
Define the sun, wind and wind direction sensor types.

- Only one type of sun sensor can be used in a project.
- Select between two types of wind direction sensors.
- You can use different types of wind sensors in a project.



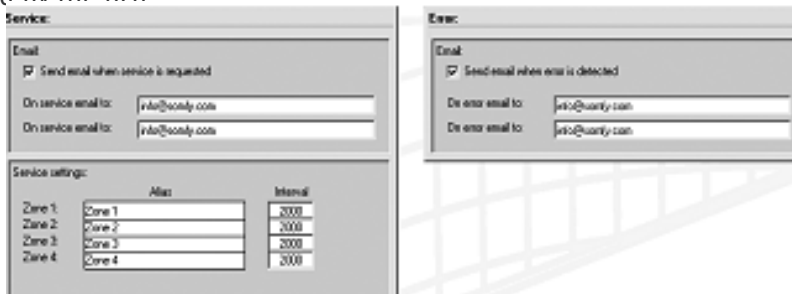
4.10. Step 10: animeo IB+ Motor Controller → Local control

- ① Define for each zone whether local control (using switches / remote) is possible.
- ② For the whole project, select the switch ergonomony for local controls.
European = recommended for Venetian blinds with single speed motors (AC).
US = when the switch is pressed, the motor will directly run the programmed running time.
- ③ For each zone define whether presence detectors are installed, and enter the type of output.
In one zone, do not combine motor controllers 'with' and 'without' presence detectors.



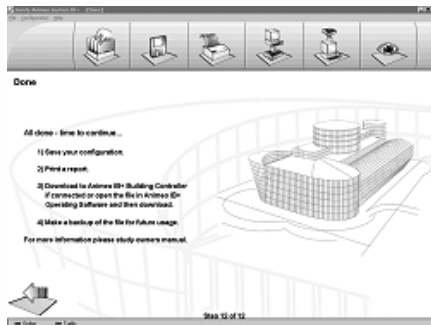
4.11. Step 11: Service and error

- ① Select whether you want a message mail to be sent in the case of servicing or error.
- ② If yes, enter at least one recipient.
- ③ Enter the servicing interval. An interval is one 'up' and one 'down' command generated by the RCU



4.12. Step 12: Done

You have now done your configuration. Follow the on-screen instructions: save the configuration and download it to the BCU.



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