Owner's manual

PC software

animeo® IB+^{2.0} System software



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1 Welcome to animeo

Thanks for buying the animeo control system for sun protection and windows. We advise you to carefully study this manual to get the full benefit of the system. This manual does not only contain information needed to install and run the program, it also explains all functions and possibilities in detail.

This document is both the product user manual and help file for the animeo IB+ System software.



From time to time you will find the picture to the left in the manual. This indicates tip and trick information that can be useful.



When you'll find this picture to the left in the manual it indicates very important information.

1.1 General note

The animeo IB+ System software is the link between the hardware and the user. Using the software, you configure the limits and outlines of your project, its outline. You can make a pre configuration of your installation, e.g. the number of zones, number and type of sensors the project should contain.

animeo Operating and System software should not be run simultaneously, when it is not possible to share a COM Port.

Note: animeo IB+ Operating and System software should not be run simultaneously, when it is not possible to share a COM Port.

1.2 Terminology

Here follows some terminology that is important to understand the system correctly.

End products :

With end products we mean any product that a motor is controlling. Examples: Windows and awnings.

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

Angle:

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





HVAC:

Heating, Ventilation and Air Condition control system.

Security functions:

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

Non security functions:

Functions not related to avoiding damage of the end product or safety of the user. After a non security command, you can control locally if local control is allowed.

Local functions:

Function set up at a local level with the local switches and active only at a motor controller level.

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2 Introduction to animeo

2.1 Unique features in animeo

The Operating PC software

Instead of using small LCD's and multifunction pushbuttons, we use a standard PC computer to control, configure and monitor the system. The result is a to a real user-friendly interface. Note: The system will work even if you turn OFF the PC!

Energy modes

The sun protection works both in retaining and gaining heat.Windows can be controlled by using signals from the HVAC system, for ventilation. This means that when a room is empty, the solar protection and windows functions ensure maximum energy savings. When it is cold inside, windows are closed and solar protections are opened to gain heat from the sun and vice versa. When it is hot inside, the windows are used to ventilate the building. When the room is occupied the system ensures maximum user comfort in terms of light, glare, temperature and air quality.

Sun tracking

When configuring a system for the first time, you enter latitude and type of sun protection (e.g. venetian blind and awning) for each group. This data is then used to position the sun protection to its optimal position for the day and for the year. Sun protection corresponds to the angle of the sun.

Remote Access and Email functions

By using a PC, the system can be remotely controlled from any another computer anywhere in the world over the Internet. When service is required e.g. for sun protection or if an error occurs an email can be generated automatically.

2.2 Product overview

animeo consists of only a small number of devices. Each product is available for either DIN rail or wall mounting and a 110 or 230V power supply. Below the different devices are explained. **Note:** Separate data sheets are available for each device.



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2.2.1 Building controller

This unit is the brain of the system. All decisions and automatic commands are carried out here. Each building controller can control a maximum of 8 different zones. If you need to control even more zones, an additional building controller can be added as an extension. 16 zones is the maximum number of zones the system can handle.

To configure the hardware (e.g. number of zones), make settings (e.g. wind thresholds) and make manual commands for a PC computer running the animeo IB+ Operating software is required.

The building controller communicates with the PC and sensor boxes over RS485 and with the motor controllers via the own protocol \rightarrow IB+.

Data Building controller

Number of Zones	1-8*
Number of Alarm input	0-1*
Number of HVAC cold	0-1*
Number of HVAC heat	0-1*
Number of Key building lock input	1
Number of Error relay output	1

Data Building controller – Extension

Number of Zones	1-8*
Number of Zones	10

* This may vary due to configuration.

2.2.2 Outside sensor box

This sensor box makes it possible for you to connect external sensors (e.g. sun and wind sensors) and also a radio time synchronization module (DCF). Depending on the number of sensors required in a project, you can connect up to two outside sensor boxes.

Note: For a system to function, outside sensor box must be connected.

Data Outside sensor box – Standard

Number of Sun sensors that can be connected	0-8*
Number of Wind sensors that can be connected	0-2*
Number of Wind direction sensor that can be connected	0-1*
Number of Outside temperature sensor that can be connected	0-1*
Number of Rain sensor that can be connected	0-1*
Number of DCF module that can be connected	0-1*

Data Outside sensor box – Optional

Number of Sun sensors that can be connected	0-4*
Number of Wind sensors that can be connected	0-2*

* This may vary due to configuration.

2.2.3 Inside sensor box

On this box you connect internal sensors. Depending on the number of sensors needed, up to two internal sensor boxes can be connected in a system. You will also find inputs to externally control or lock any zone via a key switch. There is one input for each zone.

The key zone inputs are quite smart – if you give a short pulse (less then 1,2s) the system interprets the command as a command to order the sun protection up or down. If a pulse is longer than 1,2s in an up direction the system interprets the command as a locking command. This is very useful when you want to lock a zone for example window cleaning.

Data Inside sensor box – 1

Number of Internal temperature sensors that can be connected	0-2*
Number of Key zone inputs (used for zone 1–8) that can be connected	1-8*

Data Inside sensor box – 2

Number of Internal temperature sensors that can be connected	0-2*
Number of Key zone inputs (used for zone 9–16) that can be connected	1-8*

* This may vary due to configuration.

2.2.4 Motor controller

This is the unit on which you connect the motors and switches. There are different models, for AC and for DC motors. You can install up to 100 motor controllers per zone for AC. Only one motor must be connected per output, <u>parallel connection of motors is not allowed</u>. Up to four motors can be connected per motor controller.

Local groups:

Each motor controller allows you to connect up to 4 switches for local manual control. The switches can be programmed from the PC to build local groups within a motor controller. This means for example that switch 1 can control motor 1, 2 and 3 in a local group. Switches can also be connected in parallel, even between different motor controllers. This is useful to be able to build big local groups.

Ergonomics:

There is built in running time in the motor controller, so you do not have to press the switch continuously to control the motor. The way this exactly works varies depending on the type of sun protection.

Intermediate positions:

You can also program a specific position for a motor, an intermediate position. The intermediate position is very useful to build local scenarios, e.g. meeting. To program this position, just run the motor to the desired position and press both up and down pushbutton at the same time for at least 2 seconds. The motor will rapidly run down and up to confirm that your intermediate position is programmed. To recall the position locally, just press both up and down pushbutton and the motor will directly take up the programmed position. The intermediate position can also be recalled from the PC. In this case, each motor in a zone will take its own unique Intermediate position.

User Feedback (performance mode):

When a local command is given, the motor controller understands that you want to take over the control of your local end product. The motor controller will stop acknowledging non-security functions. This semi-automatic mode will be reset to fully automatic by the reset local control to the automatic PC function. If there are presence detectors installed, a time out will also reset to fully automatic. The functionality leads to avoiding the irritating fact that the end products might move after a local command is given, for example, sun function turns active or inactive. When energy modes are used the local switches might be disabled to ensure for example maximum energy saving.

Security:

Security functions always have higher priority than the local switches. This results in no risk in controlling local end products when there is a risk of damage to, e.g, wind.



(a) To be able to use the local intermediate position function the switch must either have a stop button or have the possibility to press both up and down buttons at the same time.

((b) The animeo IB+ System software cannot monitor a single motor position in a system, only at a zone level.

Data Motor controller

Number of motors that can be connected	4
Number of switches that can be connected	4

2.2.4.1 Motor controller extension box

This box contains inputs and features that expand the motor controller's functionality. You can add one extension module to each motor controller.

Presence detector inputs

This box contains four inputs for presence detectors. The presence detectors are used to automatically change the operational mode in the room. The inputs adopt the same configuration as the configuration for local switches. A presence detector can be connected to more than one input.

Local control input

These four inputs are copies of the switch inputs you find on the motor controller.

Window contact input

There are four inputs for window contacts, one for each motor. The window contact is used to stop the system, or user, being able to control sun protection when a window is opened. This avoids damaging the end product if a window is opened. The inputs adopt the same configuration than the local switches that have been programmed. The window contacts can be connected in parrel to more than one input.

2.2.4.1.1 Infrared (IR) remote control module and receiver

The module is plugged into the extension box or motor controller to add local remote control functionality. You must also connect IR receivers to the module. An IR receiver can be connected to more than one extension box to build bigger local groups. The remotes will adopt the configuration for which the local switches have been programmed. The IR receiver must, as all IR products, be installed so that the beam from the remote can hit the receiver.

Data Extension box

Number of presence detectors inputs	4
Number of switches inputs	4
Number of window contact inputs	4
Number of remote control (IR) modules inputs	1



2.2.5 RS485 adapter

This unit is an interface that converts the system's protocol (RS485), to a protocol that the PC can handle (RS232). RS485 is used to communicate over long distances.

2.2.6 animeo Operating software

The software is the link between the system and the user. From the software you make all settings of parameters (e.g. wind and sun threshold and delays), configuration of switches, manual and locking commands. The software also visualizes the status of all functions, sensors and position of end products. There is also a built in log that tracks all sensor values, actions, errors and changes of any parameter.

If the PC is connected to the Internet and/or a mail server the software can be remotely controlled and can automatically generate emails when servicing is required, or when an error occurs.

The software is developed for international usage, so any unit (e.g. wind: m/s, km/h and mph) and a various number of languages (e.g. English, German and French) can be chosen and changed in runtime.

To make the software as user-friendly as possible e.g. all sensors and zones can be given a specific name – an alias. Functions that are not used for a specific end product will not be visible in the software. An example could be that wind and precipitation functions are disabled for internal venetian blinds. You can also import any picture of the building to get immediate access to a good overview of the system.

The system works even when the PC is not connected, but you will not be able to make any settings or give any commands by PC.



2.3 «Technical Background»

It is always an advantage to know a little about how a system works technically. Here follows some basic topics that are useful to know.

2.3.1 Architecture

animeo is a centralized system using IB+ protocol, but it works in many ways like a de-centralized system such as EIB or LONWorks. The great advantage of animeo is that it contains many of the de-centralized functionality strengths.

The PC, sensor boxes and building controller use bi-directional communication \rightarrow data is transferred in both directions. Communication from the building controller to the motor controllers is uni-directional \rightarrow data is only transferred in one direction. This means that it is not possible to get feedback from the motor controllers. Each zone in animeo has its own physical cabling. Settings (e.g. wind threshold) are common for all motors in a zone. Each zone can use any sensor.

2.3.2 How functions are handled in the system

Functions are divided into two different types – security and non-security. Security functions refer to functiosn that are crucial for the safety of the user (e.g. major alarm) or to ensure that the end products will not be damaged (e.g. wind). The other functions are non-security functions (e.g. sun).

All functions are prioritized. If more than one function is active at the same time, only the function with the highest priority will be executed. In the animeo IB+ Operating software you can easily get an overview of which functions are active and their priority.



2.3.3 IB+ protocol

The building controller communicates with the motor controller via 4 wires. Three of these wires are used to give up, down and stop commands in a traditional way. This function is more or less the same as any other centralized controller on the market. The fourth wire is unique and allows for several interesting possibilities. This wire is used for sending data (in a digital uni directional format) to the motor controllers. The advantage is that the animeo system is sending positions and angles to the motor controllers, instead of just time, which was the traditional way. in the past. Why is this an advantage? It is explqined in the example below:

Any end product in an animeo system can be programmed with its own unique running time – very useful when you have different heights of windows in a zone. This is not possible in other centralized systems where you need a physical zone for all different window heights. animeo will then automatically become a more economic and user-friendly system.

A motor controller knows both its connected motors exact position and running time. So when the system commands a zone to go, for example to position $40\% \rightarrow$ each end product will be positioned to 40% of its window height.

The advantage of sending positions is also used for functions like sun tracking, intermediate positions and building local groups for switches and/or remotes.

2.4 Specification of the system

This chapter deals with topics that are good to keep in mind when a system is being specified.

2.4.1 How to decide the number of zones in a system

Please discuss this topic with experts before selecting, but the basic rules are:

- One zone per weather direction / facade. If there is for example surrounding buildings that will shadow parts of the facade you might need to make a more detailed segmentation.
- If the building is very high or wide it could be good to split up many zones when the wind situation varies.
- * You cannot combine motor controllers with and without presence detectors installed in a zone.
- There should only be one type of end product per zone, e.g. when the wind resistance varies according to end products. As mentioned, you can have different running times on each individual end product. This means that a zone can contain the same type of end products but with different heights. But keep in mind:
 - ✓ If the difference of heights is too great it might affects, for example, the wind resistance.
 - ✓ The suntracking will not work properly for some type of end products if the window height varies.
 - ✓ For venetian blinds this is not a problem, but could be for e.g. awnings.
- Use rather too many than too few zones.

2.4.2 How to choose and install sensors

Which sensors to use is linked to the type of functions required. The physical installation of sensors is linked to how the zones are divided and built.

If there is for example no surrounding buildings that are shadowing the building normally all sensors are installed at the highest point of the building. If a facade is divided vertically you might need to place some sensors on the facade.

2.4.3 What type of switches to use?

To be able to use the intermediate functions, the local switches must work as follows:

 \rightarrow You must either be able to press both up and down pushbuttons at the same time, or the switch must have a stop button. Somfy can supply switches with these features.

3 PC requirements

Minimum:

Intel Pentium2 500 Mhz / 128Mb internal memory / 40Mb free hard disc space / True color graphic card / 17" monitor / CD-ROM / Mouse and Keyboard / Windows 2000 / Adobe Acrobat Reader and a free serial RS232 communication port.

Recommended:

Intel Pentium4 2 Ghz / 256Mb internal memory / 40Mb free hard disc space / True color graphic card / 17" monitor / CD-ROM / Mouse and Keyboard / Windows 2000 / Adobe Acrobat Reader and a free serial RS232 communication port.

Optional:

Access to email server and the Internet is required for email functionality. For remoteaccess functionality, you need access to the Internet.

Note 1:



To be able to use the email functions, the computer must be connected to an email server and have a configured email account in Outlook Express. We do not recommend modem connections. animeo IB+ Operating software uses this account to send emails. An email account is not needed by the animeo IB+ Operating system as it does not receive emails.

Note 2:



To be able to use Remote Access functions, the computer must be connected to the Internet and have a permanent IP address. The software Symantec PC Anywhere must also be installed and configured . We recommend a minimum communication speed of 512k to have a correctly running system. Modem connections are not recommended. Remote Access functionality is an optional function.

Note 3:



To ensure the functionality of the system, the PC should be dedicated to animeo. No other program should be running simultaneously on the PC.

4 Installation of the operating PC software

Installing the software on the computer is very easy. Please just follow the steps below:

There are two installation files on the CD , one for each software:

- setup Somfy Animeo IB+ System Software.exe
- setup Somfy Animeo IB+ Operating Software.exe
- Make sure that your computer meets the PC requirements.
- Close any other application running on your computer.
- Place the CD in the CD-ROM reader and run the "setup Somfy Animeo IB+ System Software.exe" file.
- Follow the on-screen instructions. For information, see 4.1
- * Restart your computer if this is not done automatically.
- When your computer is restarted, animeo IB+ System software shortcut should now appear on your monitor.
- Conditions of use for the animeo software are defined in the licence agreement supplied on the CR Rom. The installation, download and use of the animeo software are conditionned by the acceptance of these terms.

The installation software has now created an animeo IB+ System software folder on the Start bar, a shortcut to your desktop.

4.1 Configure Windows for best performance

Please make the following settings in Windows. If help is needed, refer to Windows help or contact your system administrator.

Energy settings for the PC

When animeo IB+ continously communicates between the PC and the Building controller, it is important that the PC does not enter an Energy saving sleep mode. If this occurs, the communication will be broken and there will be a risk of software failure.

Proceed as follows:

- a) Open the Power Options by clicking Start/Settings/Control Panel/Power Options.
- b) Select Power Scheme "Always on"

c) Click on "Apply"

Font size

The animeo IB+ software has been designed with a user-friendly graphic interface. A graphic interface is designed for a specific font size.

animeo uses standard Windows font size. If you use different font size, the software will work correctly, but the interface may be corrupted.

Proceed as follows:

- a) Open the Display by clicking on Start/Settings/Control Panel/Display.
- b) Select the Settings tab
- c) Click on the "Advanced" button
- d) Select "Small fonts (96dpi)" in the Display panel
- e) Click on "Apply"
- f) Restart Windows

Appearance

The animeo IB+ software has been designed with a user-friendly graphic interface. A graphic interface is designed for a specific appearance scheme.

animeo uses the Windows standard. If you use another appearance scheme the software will work correctly but the interface may be corrupted.

Proceed as follows:

- a) Open the Display by clicking on Start/Settings/Control Panel/Display.
- b) Select the Appearance tab
- c1) For Windows 2000: Select Scheme "Windows standard"
- c2) For Windows XP: Select Style "Windows classic style"
- d) Click on "Apply"

Screen resolution

The software is optimized for a 1024*768 resolution and at least a 16bit colour depth. The software will work in any resolution but the most user-friendly is in the suggested resolution.

Proceed as follows:

- a) Open the Display by clicking on Start/Settings/Control Panel/Display.
- b) Select the Settings tab
- c) Select the colour: True Colour 32 bits or 16 bits (32 bits recommended)
- d) Select the screen area: 1024*768 minimum
- e) Click on "Apply"

Auto hide the Start bar

The software has been designed to use the maximum screen area for maximal user-friendliness. For this reason, we advise you to set the "Start bar" to auto hide.

The software will work without auto hide enabled but the some functions might be croped.

Proceed as follows:

- a) Right click on the the Start bar and select Properties.
- b) Enable Auto hide
- c) Click on "Apply"

Adobe Acrobat Reader

To be able to use the help files in the software, you must have Adobe Acrobat Reader installed. The software will work without Acrobat Reader installed but you will not be able to open the help files. You need at least Acrobat Reader version 4.0.

Proceed as follows:

- a) Go to www.adobe.com and download the desired Acrobat Reader language version.
- b) Follow the Adobe installation instructions.

Configure the computer

a) Open the Control panel and open "Power Options".
b) Select the following (options may vary from computer to computer):
Power Scheme: Home/Office computer or server
Switch off the monitor: Optional
Switch off the hard disc: Never
System standby: Never

5 Configure animeo IB+ System software

The following information explains how to configure the animeo IB+ System PC software after installation.

5.1 animeo automatic start up sequence

As soon as you connect a PC with the animeo IB+ System software running to an animeo system, the building controller will start to upload its stored settings and configuration automatically to the PC. This means in practice that you can connect any PC computer with animeo IB+ Operating software installed and you will automatically be online!

5.2 Configure step by step

The following explains in detail how to configure the animeo IB+ System software from the very beginning to a fully running system.

Configure the RS485 / RS232 converter (picture below) and connect the included 9V DC adapter supplied. Please study the animeo installation guide for a more detailed information.



Insert the RS232 serial communication cable to a serial port on the PC.

Make sure that the RS485 serial communication cable is connected to the building controller (see installation guide) and that the building controller is powered and properly installed.

Start the animeo IB+ Operating software.

The software will ask you which communication port you are using on the PC (see picture below). Select the one which you connected to the RS232 cable to and press OK.





- The building controller will now start to upload its stored parameters. The communicating window will be shown during the uploading (picture below)
- Select the wind unit you want to use, see 6.1.2.2.
- 🏶 Done

6 Overview of the animeo IB+ System software

With this software you configure the building controller, motor controllers and sensor boxes on the hardware level, e.g. the number of zones and number and type of sensors a building controller should contain. The configuration file you create can either by downloaded to the building controller directly (if a building controller is connected to the PC), or be opened in the animeo IB+ Operating software and then downloaded to the building controller.

You can also open a configuration or import a project file from animeo IB+ Operating software to make adjustments in the configuration, e.g. add more zones.



6.1 Menu

The menu contains the following items.

File	Configuration	Help
- Open configuration	- COM port settings	– Help
- Save configuration	– Units	– About
– Import project	Wind	
- Download to building controller		
- Upload from building controller to PC		
– Exit		

All items are explained in detail later in this chapter.

6.1.1 File

This menu contains the functions below.

6.1.1.1 Open configuration

Here you open an exisiting configuration (*.c20. The "20" means "version 2.0". In the future e.g. version 3.1 will be e.g. called *.31). It is useful when you want to make some changes in an existing configuration. This function is also available in the quick button function set, see 6.2.

6.1.1.2 Save Configuration

Here you save a configuration (*.c20). It is useful when you download the configuration from the animeo IB+ Operating software or save a project data as a backup. This function is also available in the quick button function set, see 6.2.

6.1.1.3 Import project

The animeo IB+ Operating software generates a project file (*.p20) when you save a project. This project file also contains all the data that exist in a configuration file (*.c20). By using the import project file function, you can easily make changes in a project configuration without having access to the configuration file. When you have made your changes, you save a new configuration file that you either download to the building controller directly (if the building controller is connected to the PC), or open the configuration file in the animeo IB+ Operating software and then download it to the building controller.

6.1.1.4 Download to building controller

By clicking this function your configuration will be downloaded to the building controller. When a download is in progress, the picture below will be viewed. If there is no building controller connected to the PC (offline), this function is disabled. This function is also available in the quick button function set, see 6.2.



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6.1.1.5 Upload from building control to PC

By clicking this function the building controller uploads its configuration to the PC. When a upload is in progress, the picture above will be viewed. If there is no building controller connected (offline) to the PC, this function is disabled. This function is also available in the quick button function set, see 6.2.

6.1.1.6 Print report

By clicking this function, the software prints a report of all settings in the configuration. Useful when documenting a project. This function is also available in the quick button function set, see 6.2.

6.1.1.7 Exit

Exit the program. If you have made any changes without saving, you will be asked if you want to save before exiting.

6.1.2 Configuration

In this menu, you make communication port settings and select the units you want the system software to use.

6.1.2.1 Com port setting



Select the serial RS232 COM port to which the building controller is connected to in the PC.

6.1.2.2 Units

You can select the wind unit you want the software to use. You can choose from m/s, km/h and mph.



This is the only unit the System software will use. The unit the Operating software uses is set in 7.3.1.

6.1.3 Help

In this menu you find help function and information about the software and its versions.

6.1.3.1 Help

Click this function to open the help file. In fact, it is the document you are just reading.

When you open "About" you get information about the animeo System PC software (1) and building controller (2) software versions. You'll only get the building controller software version if you are online.

By clicking "system info..." (3) you will get access to your PC's hardware status.

6.2 Quick access buttons

In this bar you find quick access buttons. Following functions are accessible:

- 1. Open configuration, see 6.1.1.1
- 2. Save configuration, see 6.1.1.2
- 3. Print Report, see 6.1.1.6

4. Download to building controller, see 6.1.1.4. When there is no building controller connected (offline) this icon is disabled, see (4 and 5).

5. Upload from building controller, see 6.1.1.5. When there is no building controller connected (offline) this icon is disabled, see (4 and 5).

6. Overview picture, see 6.2.1



In the screen shot above the building controller is online, see (7).

6.2.1 Overview picture

When you are making a configuration you can open an overview picture (5) showing graphically which products you are setting in the current window.



6.3 Communication visualization

When a building controller is online then the green online diode lights up. When there is communication between the PC and the Building controller the yellow traffic diode flashes.



7 Make a new configuration

This chapter explains step by step how to make a complete configuration from the start.

7.1 Step 1: Start

This window only contains general information.



7.2 Step 2: Project - General Settings

This window contains general information linked to the project.

Project Name: Installer Company:	Somfy Headquarter	
Installer Company:		WWW.DD.SUHV.CUH/anneu
Installer Company:		
Installer Contact:	Somfy Installer SA	
Installer Phone:	1234567889	Here Pressment
Installer Email:	Mr.Somfy@Somfy.com	
		Password 1: Password 2: Password 3:
Location (latitude):	45 Location Map Wizard	At least one password must be typed in.
Programmed by:	Mrs Somfy	

7.2.1 Project settings

This data is always accessible, even in the animeo IB+ Operating software, for the user. Very useful if you want to contact the installer.

- 1. Project name: Enter the name of the building, e.g. Somfy Headquarters
- 2. Installer company: Enter the name of the installer, e.g. Somfy.
- 3. Installer contact: Enter the customers contact at e.g. Somfy.
- 4. Installer phone: Enter the phone number of the installer contact
- 5. Installer email: Enter the email address of the installer contact
- 6. Location: Enter the latitude of the building. You can also use the location map (6.2.1.1). Just click on the map to set you location. The location data is used in the animeo IB+ Operating software to calculate the sun tracking.
- 7. Programmed by: Enter the name of the person who made the configuration

7.2.1.1 Location map

Click the map to set the location of the building.



7.2.2 Help web address

In the animeo IB+ Operating software the user can directly open a pre-defined web address. Enter here the pre-defined web address. In most cases it should be <u>www.pro.somfy.com/animeo</u>

7.2.3 Password

In the animeo IB+ Operating software the user must enter a password to be able to make settings. Here you define the password. Up to three different passwords are possible. The password can be 1–6 characters long. Both numbers and letters are accepted.

If you don't type any password then the program will automatically create a default password PASSWD.

7.3 Step 3: Project – Units and Language

Here you define the unit and language the <u>animeo IB+ Operating software</u> should use. Note: The wind unit you want to use in the animeo IB+ System software is set at 6.1.2.2.

ime Format:	Temperature Unit:	Length Unit:
24 hours	© Celsius	(• mm
C 12 hours	C Fahrenheit	C Inch
C mph		
The settings above concern only the A	nimen IB+ Operating Software	
The searings above concern only are A	mileo ib. Operating boltware.	

7.3.1 Wind unit

-

You can choose between m/s, km/h and mph.

7.3.2 Time format.

You can choose between a 12 hour and a 24 hour format

7.3.3 Temperature unit

You can choose between Celsius and Fahrenheit.

7.3.4 Language

You can choose between English, French, German , Swedish, Dutch, Danish, Finnish, Norwegian, Italian, Spanish. More languages will be provided in the future.

7.3.5 Length unit

You can choose between mm and inch.

7.4 Step 4: Building controller – Zones and Inputs

Here you define the number of zones and what the inputs on the building controller that should be enabled.



7.4.1 Number of Zones

Set number of zones and their aliases used in the project. The maximum number of zones is 16. For more information, refer to 2.4.1 How to decide the number of zones in a system.



If you use more then 8 zones, an additional building controller is needed.

7.4.2 HVAC inputs

Set if HVAC "get heat" and "get cold" should be used.

These inputs are used to get information from the HVAC system. The HVAC system activates the get heat input if it needs help heating the building and activates the get cold input if it needs help cooling the building. The building controller uses the data for energy functions and window opening purposes.

7.4.3 Major Alarm input

Set if major alarm input should be used. In many cases, the building fire alarm system is connected to this input.

7.5 Step 5: Building controller - End products

In this window you define for each zone; the type of end product; the maximum settable wind threshold; and the direction of the facade.



7.5.1 Type of end product

Select the type of end product per zone. The functions in the Operating software depend on the end products e.g. wind functions are disabled for internal end products. As a result, it is very important that you select the correct end product. The following end products are available for selection:

- Internal venetian blind
- Internal venetian blind 2-speed: This is a motor that tilts with one speed and moves up/down with another. The speed difference between the two speeds is set in the animeo IB+ Operating software.
- Interior roller blind.
- Exterior venetian blind (+90°/-90°): The slats are closed (90°) when the blind moves down and in horizontal (0°) when moving up.
- Exterior venetian blind (+90°/0°): The slats are closed (90°) when the blind moves down and in the opposite directioin when moving up.
- Exterior Screen
- Exterior Drop arm awning
- Exterior Roller shutter
- Exterior Markisolette
- Exterior Folding arm awning
- Windows opened indoors
- Windows opened outdoors

7.5.2 Maximum wind

Here you can define the maximum possible wind threshold that can be set in the Operating software. This is a security feature to avoid that too high thresholds are set by mistake. This feature isn't available for end products that do not use wind functionality. Please make sure that your setting is coherent with the type, brand and dimension of the end product. Default value is 15 m/s.

7.5.3 Facade direction

Here you set the orientation of each zone. The sun tracking function in the Operating software uses this data. You set the direction of the zones by clicking the wizard button. The direction values are gradual 5 to 5 degrees. It is not possible to write directly the orientation in the direction text box, so use the wizard either with the mouse, or by using the up/down and right/left arrows on your keyboard.

Zone to set:		
1: North - Mon	tain avenue	
Degrees:		Direction:
1 0	N	N
NW	1	NE
~		<
w -		- F
"		
1		~
sw	1	SE
	S	

In the wizard you select the zone (1) to set up, and click on the potentiometer, and turn it (2) to the needed zone direction.

7.6 Step 6: Outside sensors Box 1 (standard)

In this window you define the number, alias and type of sensors that should be connected (enabled) on the outside sensor box.

Somfy Animeo Sys	stem IB+ Somfy Headquarter - [Exterior Sensors: Box 1 (stan	dard)]
Conriguration He	ab	
)utside Se	ensor Box	
	Number of Sun Sensors:	Use Wind Direction Sensor:
	8	Ves Alias:
	Alias:	Wind direction: Weather station
	Sun 1: Weather station N	
	Sun 2: Weather station NE	
	Sun 3: Weather station E	Use Outside Temperature Sensor:
	Sun 4: Weather station SE	Ves Alias:
	Sun 5: Weather station S	Outside temperature: Weather station
	Sun 6: Weather station SW	
	Sun 7: Weather station W	
	Sun 8: Weather station NW	Use Rain Sensor:
		Ves Alias
		Rain: Weather station
	Number of Wind Sensors:	
	2	
	Alias:	Use Radio Time Synchronisation Module (DCF):
	Wind 1: Weather station	
	Wind 2: Garage roof	© Yes C No
	1	
		Step 6 of 12

7.6.1 Number of sun sensors

Enter the number of installed sun sensors and their aliases. Up to 8 sun sensors can be installed. If more are needed you must use the outside extension sensor box, see 7.6.

7.6.2 Number of wind sensors

Enter the number of installed wind sensors and their aliases. Up to 2 wind sensors can be installed. If more are needed you must use the outside extension sensor box, see 7.7.

7.6.3 Use of a Wind direction sensor

Enter whena wind direction sensor is installed and its alias.

7.6.4 Use of an Outside temperature sensor

Enter if an outside temperature sensor is installed and its alias.

7.6.5 Use of a Rain sensor

Enter if a rain sensor is installed and its alias.

7.6.6 Use of a radio time synchronization module (DCF)

Enter if a DCF module is installed. The DCF unit reads the present time sent from Frankfurt. The range of this transmitter is 1000km.



If an intended sensor is configured but is not installed, an error message is generated. Always avoid this scenario in all cases!

7.7 Step 7: Outside Extension sensor Box (optional)

In this window you define whether or not the system should contain the outside extension sensor box. You also define the number, type and alias that will be used.

🗾 Somfy Animeo System IB+ Somfy Headqua	rter - [Exterior Sensors: Box 2 (optional)]	_ 8 ×
Eile Configuration Help		
Outside Extension Senso	or Box (optional)	
	Use Outside Extension Sensor Box:	
	Ves	
	Sun sensor	
	Number of: Sun 1 alias: East floor 3	
	Sun 2 alias: East floor 7	
	Sun 3 alias: East floor 9	
	Wind sensor: Number of: I	
	Step 7 of 12	
📼 Online 📼 Traffic		

7.7.1 Use of an outside extension sensor box Enter whether or not the outside extension sensor box is used.

7.7.2 Sun sensor

Enter the number of installed sun sensors and their aliases. Up to 4 sun sensors can be installed.

7.7.3 Wind sensor

Enter the number of wind sensors and their aliases. Up to 2 wind sensors can be connected.



If an intended sensor is configured but is not installed, an error message is generated. Always avoid this scenario in all cases!

7.8 Step 8: Inside sensors Boxes (optional)

In this window you define whether or not any inside sensor box is used. You also define the number and alias of the installed sensors.

🗾 Somfy Animeo System IB+ Somfy Headquart	er - [Interior Sensors: Box 1 and 2 (optional)]	_ 8 ×
Elle Configuration Help		
Inside Sensor Box (option	al)	
	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: Temp. 1 alias: Reception N	
	Inside Temperature sensors hox 2"	
	Number of: Temp. 1 alias: Reception S	
	2 Temp. 2 alias: Reception W	
1		N
<		
	Step 8 of 12	\checkmark
📼 Online 📁 Traffic		

7.8.1 Use of number of inside sensors boxes

Enter the number of installed inside sensor boxes. Up to two sensors boxes are possible.

7.8.1.1 Inside temperature sensors box

Enter the number of installed temperature sensors on sensor box and their aliases. Up to 2 sensors can be installed.

7.8.1.2 Inside temperature extension sensor box

Enter the number of installed temperature sensors on the extension sensor box and their aliases. Up to 2 sensors can be installed.



If an intended sensor is configured but is not installed, an error message is generated. Always avoid this scenario in all cases!

7.9 Step 9: Sensor types

In this window you define the type of sensor you intended for use.



7.9.1 Sun sensor type

Enter the type of installed sun sensor. Pictures help you to identify your product. Note: Only one type of sun sensor can be used in a single project.

7.9.2 Wind direction sensor type

Enter the type of installed wind direction sensor:

The following types are available:

- Wind direction sensor / station
- Compact wind direction sensor

7.9.3 Wind Sensor type

Enter the type of installed wind sensor. You can use different types of wind sensor in a project. Due to this, you must enter the type of installed sensor for each installed wind sensor.

The following types are available:

- Heated wind speed sensor
- Wind speed sensor
- Wind speed sensor / station
- Compact wind sensor

7.10 Step 10: Motor controller – Local control

In this window you define whether or not local control should be enabled and the switch type. You also define whether presence detectors are used and the type of presence detector output.



7.10.1 Local control possible

Enter for each zone whether local control should be possible. Local control refers to wired switches and remotes. The default value is always enabled.

7.10.1.1 Switch ergonomy

Enter the type of switch function. Only one type of switch function can be used in a project. The following modes are available:

- European: In the first two seconds of pushing the switch, it acts like a dead mcn switch (the motor stops when you release the button). When the button is pressed continuously for more than two seconds, the motor will run during the programmed running time. This mode is useful for venetian blinds.
- * US: If you continue pressing on the push button, it will run during the programmed running time.

7.10.2 Presence detector enabled

Enter for each zone if presence detectors are installed.

7.10.2.1 Presence detector output

Enter the type of presence detector output. Only one type of presence detector output can be used in a project. The following types of outputs are available:

- Normally open: When inactive the output is open.
- Normally closed: When inactive the output is closed.

7.11 Step 11: Service and Errors

In this window you can enable whether or not email should be sent when servicing is required and/or when an error occurs.



7.11.1 Service

Enter if an email should be automatically sent when servicing is required. You can define up to two addresses for the servicing mail. At least one address must be entered.

7.11.1.1 Service settings

Enter for each zone the interval for which service is required. Interval refers to the number of cycles (one up and one down orders) generated by the building controller. Default value is 2000 orders. Note: Local commands are not counted in the interval.

7.11.2 Error

Enter an email should be automatically sent in the case of a major error occuring. You can define up to two addresses for the the servicing mail. At least one recipient must be entered.

7.12 Step 12: Done

You are now done with your configuration. Now you have to:

- Save the configuration, see 6.1.1.2.
- Download the configuration to the building controller, see 9.



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8 Edit an existing configuration

This chapter explains in detail how to edit an existing configuration.

8.1 Open the existing configuration

The first step is to open an existing configuration. This can be done in three different ways.

8.1.1 Open configuration file

The easiest way is to open the projects existing configuration file, see 6.1.1.1.

8.1.2 Upload from building controller

If the building controller is connected to the PC running the System software, you can simply upload the configuration, see 6.1.1.5.

8.1.3 Import a project

If you don't have access to either the project's configuration file or the building controller, you can import the project file from the project, see 6.1.1.3.

8.2 Make your changes

Now you make the required changes, see 7.1 to 7.11.

8.3 Download your configuration

Now you should save your new configuration and then download it to the building controller, see 9.

9 Download a configuration to the building controller

After you have made a configuration, you must download it to the building controller. This chapter explains in detail how to perform a download.

9.1 Building controller connected

-

If the building controller is connected to the PC you simply download the configuration to the building controller by clicking download, see 6.1.1.4.

9.2 Download from animeo IB+ Operating software

If you don't have access to the building controller, you can also at a later stage import the configuration in the animeo IB+ Operating software and download the configuration from that software. Please study the Operating user manual for further information.

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