VELUX INTEGRA®
KLR 200

Version no.: 001.xxx.xxx.xxx

Congratulations on your new VELUX INTEGRA® product!

Thank you for buying this VELUX INTEGRA® product.
The control pad has been produced and tested in accordance with the newest methods and strictest requirements and will help you to get the most out of all your VELUX products.



DIRECTIONS FOR USE FOR VELUX INTEGRA® KLR 200. ©2012 VELUX GROUP
®VELUX, THE VELUX LOGO, INTEGRA, io-homecontrol AND THE io-homecontrol LOGO ARE REGISTERED TRADEMARKS

VELUX®

Contents

Important information 4

1 Control pad

Control pad functions 5

2 Operation

Basic operation

Operation of windows 6
Operation of sunscreening products 7
Operation of lights 8
Operation of on/off switch products 8
Operation of other types of io-homecontrol® products 8
Product position 8
Turn on / Home / Stop all products 8

Programs

Using programs 9
VELUX programs 10-13
- Using a program 10
- Editing a program 11-12
- Adding a program to the product navigator 13
- Resetting to default settings 13

Own programs 14-21
- Creating a program 14-16
- Editing a program 17-18
- Adding a program to the product navigator 19
- Renaming a program 20
- Silent mode operation 21
- Deleting a program 21

Smart operation

Finding products 22
Keyboard 22
Renaming products 23
Groups 24-27
- Creating a group 24
- Editing a group 25
- Renaming a group 26
- Deleting a group 27

Rooms 28-31
- Creating a room 28
- Editing a room 29
- Renaming a room 30
- Deleting a room 31

Contents

Favourites 32-33
- Editing order of products in the product navigator 32
- Editing favourites 33

Operation without using the control pad
Manual operation of centre-pivot windows 34
Closing centre-pivot windows in case of power failure or discharged battery 35
Closing windows if the control pad has been mislaid 36

3 Setting up

Start-up of a new VELUX system
Initial set-up 37
If the initial set-up fails 38

Extension of your VELUX system
Adding products to the control pad 39
Adding a control 40-82
- Adding a control to your system already operated with a VELUX INTEGRA® control pad KLR 200 40-52
- Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with another control 53-67
- Making controls already in use operate each other's products 68-82

Deleting products in the control pad 83
Joint operation of io-homecontrol® products (generic configuration) 84-86
- Sending the security key to another io-homecontrol® control 85
- Receiving the security key of another io-homecontrol® control 86
- Creating a new security key in VELUX INTEGRA® control pad KLR 200 86

Settings
Time and date 87-88
Language 89
Silent mode operation of products 89

Resetting the control pad 90

Security
Password 91
Changing the security key 92-102

4 Installation

Fitting the control pad to the wall 103
Repositioning the rain sensor in case of retrofitting 104

Declaration of conformity 105

VELUX INTEGRA®
KLR 200

Important information

Read instructions carefully before installation. Please keep instructions for future reference and hand them over to any new user.

Safety

- The control pad is intended for operation by persons with the relative experience and knowledge or by persons who have been given instruction concerning its use by a person responsible for their safety.
- Children must not be allowed to play with the window and its electrical products, and the control pad should be kept out of reach of children.
- If repair or adjustment work is needed, disconnect from mains or battery supply and ensure that it cannot be reconnected unintentionally.
- Before operating, ensure that the window and its electrical products can be operated without risk of damage to property or injury to people or animals.
- For personal safety, never have your hand or body out of the window without first having switched off the mains or battery supply.

Function

- If the rain sensor gets wet, the window operator automatically closes the window; however, the ventilation flap remains open.
- Disabling the rain sensor while the window is open implies a risk of rain water being able to enter the building.
- To prevent the window from closing because of very fine/weak rain, fog or dew, the rain sensor is equipped with a heating element to keep the surface dry.
- If the window has been opened manually, the window operator will not be activated via the rain sensor or other automatic functions.
- From fully open, it will take up to one minute from the time of activation before the window is completely closed. Therefore, in case of sudden rain, water may enter the room before the window is closed.
- In case of snow and/or ice, the operation of the window may be blocked.
- It is recommended to place a control pad in the room where the window and its electrical products have been installed.

Product

- The control pad has been designed for use with genuine VELUX products. Connection to other products may cause damage or malfunction.
- The control pad is compatible with products with the io-homecontrol® logo.
- Electrical products must be disposed of in conformity with national regulations for electronic waste and not with household waste.
- Used batteries must not be disposed of together with household waste but have to be disposed of in conformity with the relevant national environmental regulations. Batteries contain substances that can be harmful if not handled and recycled correctly.
- Use local authority battery disposal point where available.
- The packaging can be disposed of with usual household waste.
- Sound pressure level: Max 70 dB(A).
- Radio frequency band: 868 MHz.
- Radio frequency range: 150 m free field. Depending on building construction, the indoor range is approx 15 m. However, constructions with reinforced concrete, metal ceilings and plaster walls with steel members may reduce the range.
- Expected battery lifetime of control pad: Up to 1 year.
- Expected battery lifetime of solar powered window operator: Approx 10 years.

Maintenance and service

- Disconnect from mains or battery supply before carrying out any maintenance or service work to the window and products connected to it and ensure that it cannot be reconnected unintentionally during this time.
- Maintenance and installation must be carried out in consideration to Health and Safety at work requirements.
- If mains cable is damaged, it must be replaced by qualified personnel in accordance with national regulations.
- Clean the control pad with a soft dry or damp cloth.
- Dirt on the rain sensor may cause operating problems. Therefore, it is recommended to clean the rain sensor with a soft, wet cloth once or twice a year or when needed.
- In case of accumulation of dirt, the solar cell should be cleaned with water and ordinary household cleaners.
- Spare parts are available through your VELUX sales company. Please provide information from the data label.
- If you have any technical questions, please contact your VELUX sales company, see telephone list or www.velux.com.

io-homecontrol® provides advanced and secure radio technology that is easy to install. io-homecontrol® labelled products communicate with each other, improving comfort, security and energy savings.

www.io-homecontrol.com

Control pad
Control pad functions

1

Shows product location

Running program
Low battery

Product navigator. Shows operable product or program

Activates products, for instance closing a window or running up a blind

Sets the product position, for instance running a blind partly down

Pre-set closing
Awning blind control
Roller shutter with upper/lower elements

Opens the ventilation flap of the window. The window is still closed



Light gauge

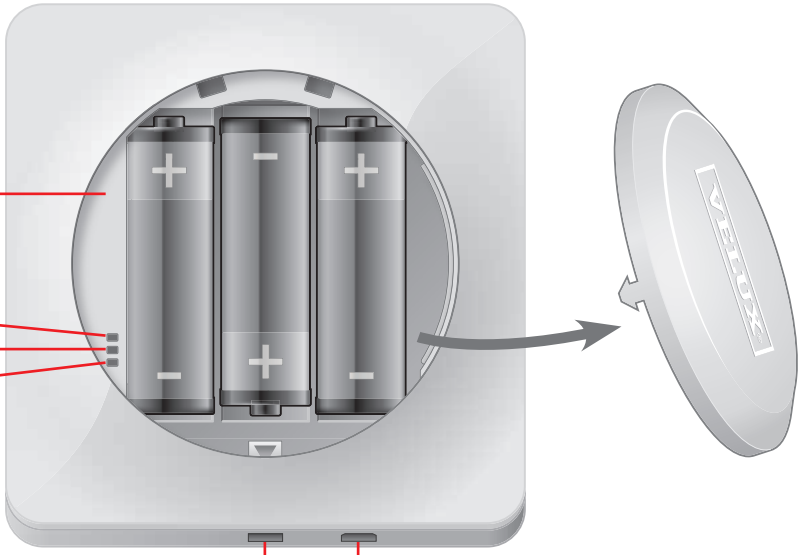
Access to programs and settings

Stops running products. Shows the position of the product shown in the display

Activating products, for instance opening a window or running down a blind

Shows the product position from 0-100. A fully opened window is 100 (100 % open), and a fully closed blind is 100 (100 % closed)

Tapping the Home button turns on the display again after sleep mode and shows the first product in the product navigator. Touching and holding it for 3 seconds stops all products



Battery section

Diode

Key button

RESET button

USB stick / micro USB stick

Release button for battery lid

Operation
Basic operation

2

You can operate all products by tapping icons/buttons or by dragging the slider and tapping the bar in the display.

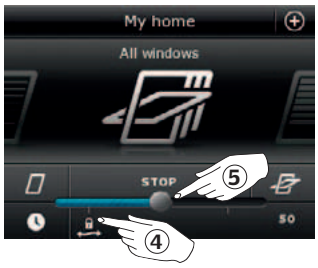
The product to be operated is shown in the middle of the display. If more products are registered in the control pad, they are shown as shadows in the display sides. Select the product you want to operate by swiping a finger over the display in the directions of the arrows.

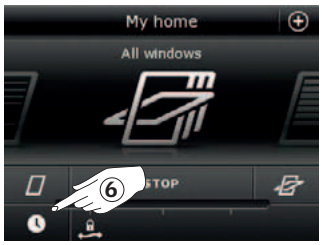


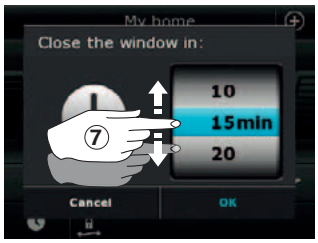
Operation of windows

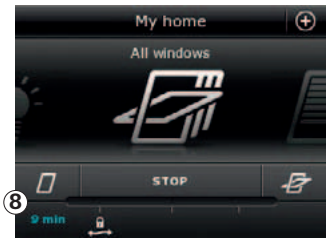
① Open
② Stop
③ Close
④ Open ventilation flap only. The window is still closed.
⑤ Drag the slider or tap the bar to open the window to desired position. The position from 0-100 is shown in the bottom right corner.
⑥ Tap the clock to close the window automatically after a given period of time.
⑦ Choose for how many minutes the window is to be open and tap "OK".
⑧ The icon in the bottom left corner shows for how many minutes the window will still be open.



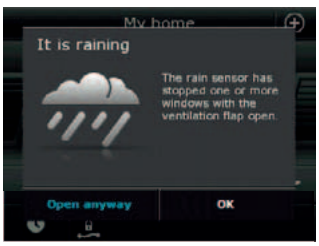








Note: If you are opening a window while it is raining, only the ventilation flap will be opened. This function prevents the rain from coming in. Tap "OK" if this is alright.
Tap "Open anyway" if you want to open the window even if it is raining. The window is now opened to the desired position, however no more than half-way up (50 %). After 15 minutes at the longest, the window will be closed again unless it has stopped raining.
If you set the automatic closing at less than 15 minutes, the window will be closed when the time has run out.



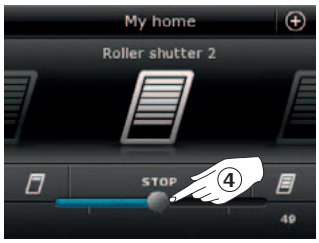
Operation
Basic operation

Operation of sunscreening products

Roller shutters / Awnings blinds / Blinds

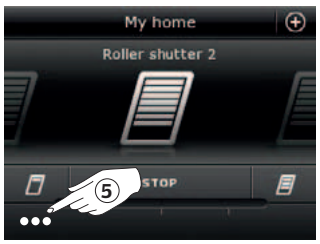
① Run up
② Stop
③ Run down
④ Drag the slider or tap the bar to set the position of the sun-screening product. The position from 0-100 is shown in the bottom right corner.

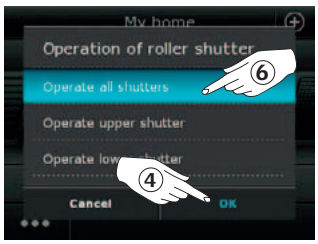




Roller shutters with upper/lower elements

⑤ Tap ●●●.
⑥ Tap the element you want to operate.
⑦ Tap "OK". You can now operate the element as described above.

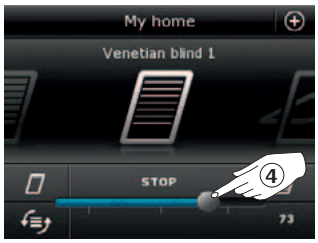


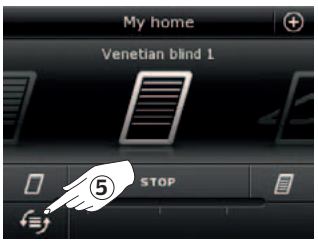


Venetian blinds

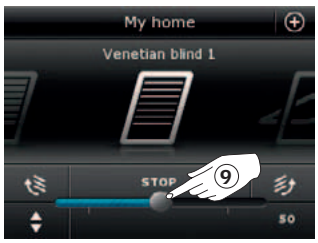
① Run up
② Stop
③ Run down
④ Drag the slider or tap the bar to set the position of the Venetian blind. The position from 0-100 is shown in the bottom right corner.
⑤ Tap to set the tilting of the slats.
⑥ Tap to tilt the slats upwards.
⑦ Stop
⑧ Tap to tilt the slats downwards.
⑨ Drag the slider or tap the bar to set the tilting of the slats. The tilting from 0-100 is shown in the bottom right corner.
⑩ Tap to return to setting the position of the Venetian blind.

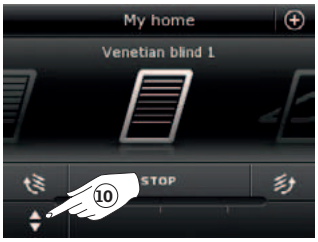












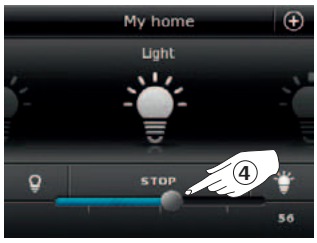
Operation
Basic operation

2

Operation of lights

① Turn off
② Stop
③ Turn on
④ Drag the slider or tap the bar to set the intensity of the light. The position from 0-100 is shown in the bottom right corner.





Operation of on/off switch products

① Off
② On



Operation of other types of io-homecontrol® products

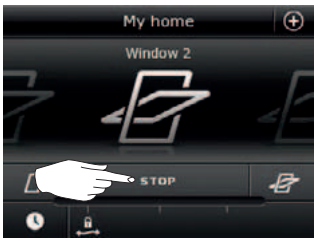
① Open
② Stop
③ Close

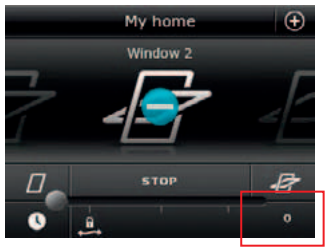
Note: The example shows a garage door.



Product position

Tap "STOP" and, in the bottom right corner of the display, see the position of the product shown in the product navigator. You can for instance see how open a window has been left.





Turn on / Home / Stop all products

To prolong the lifetime of the control pad batteries, the display goes into sleep mode shortly after the last touch. You turn on the display again by tapping ⌂.

When the display is on, a tap on ⌂ takes you home to the first product in the product navigator.

Touching and holding ⌂ for at least 3 seconds stops all products.



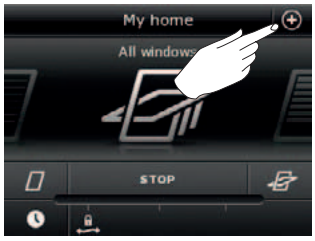


Operation
Programs - Using programs

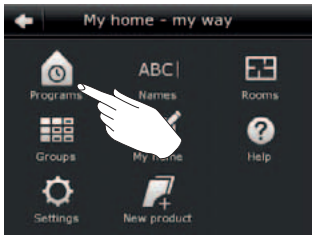
2

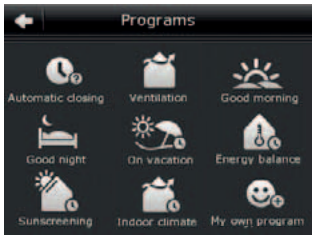
A program can help you get a smarter home.
It can see to it that your house is ventilated regularly, that internal temperatures are kept down during the day when necessary, and that the heat loss is reduced at night.

Tap ⊕ in the top right corner of the display to get access to the programs.



Under "Programs" you will find the VELUX programs available for the products registered in your control pad. The more different products have been registered, the more VELUX programs are available. There are seven such VELUX programs.





Three programs will run only once when activated.

- Ventilation
- Good night
- Good morning

Four programs, when activated, will automatically run repeatedly according to a set schedule and will not stop until disabled or reset. A clock at the bottom right of the program icons indicates that the program is settable.

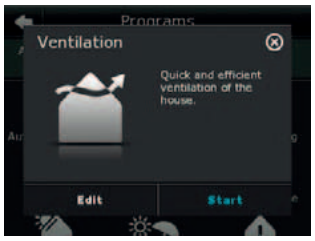
- Indoor climate
- On vacation
- Sunscreening
- Energy Balance

In addition, you can make your own programs, see the section *Creating a program*. Here you can combine the program settings as you may wish.

When choosing a VELUX program, its contents are shown on the display. Tap ⇦ to go back.

Tap "Start" to activate a program. Tap "Edit" to change the individual actions/settings of the programs to make them match your wishes.





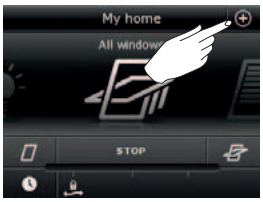
Operation
Programs - VELUX programs

Using a program

The program "Ventilation" makes it easy to open and close your windows.

The example shows how to use it.

1



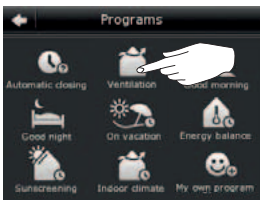
Tap ⊕.

2



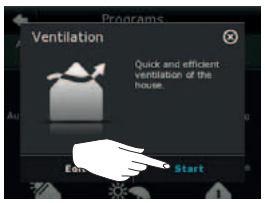
Tap "Programs".

3



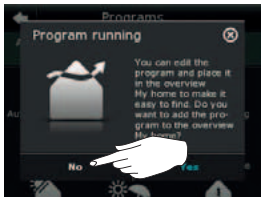
Tap "Ventilation".

4



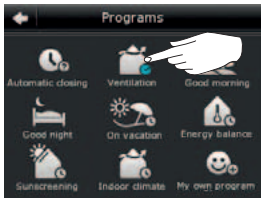
Tap "Start".

5



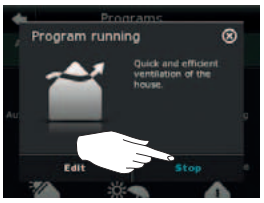
Tap "No".

6



The clock turns blue when the program is running.
Tap "Ventilation" to stop the program.

7



Tap "Stop".



Tap ⌂ to finish.

Each time you want to use this program, you will have to tap through these menus.
If you use a program often, you can place it in the product navigator to have direct access to it, see the section *Adding a program to the product navigator.*

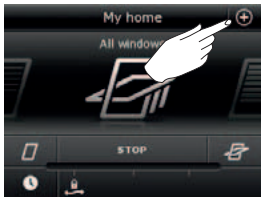
Operation
Programs - VELUX programs

Editing a program

You can change the settings in a program to make it suit you better.

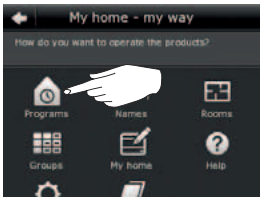
The example shows how to change the settings in the program "Ventilation", into opening just one window and increasing its opening for ventilation purposes.

1



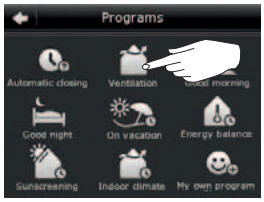
Tap ⊕.

2



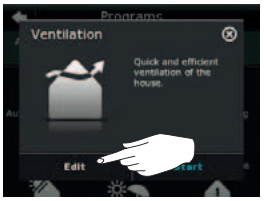
Tap "Programs".

3



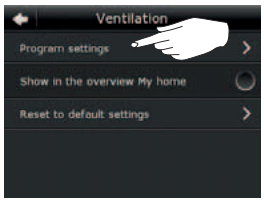
Tap "Ventilation".

4



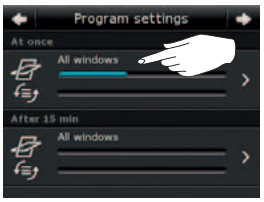
Tap "Edit".

5



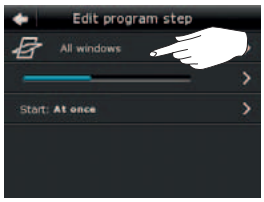
Tap "Program settings".

6



Tap "All windows".

7



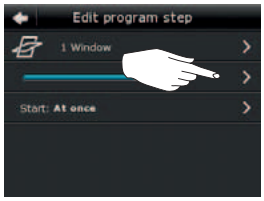
Tap "All windows".

8



Remove ticks at the windows not to be opened (1).
Tap ⇨ (2).

9



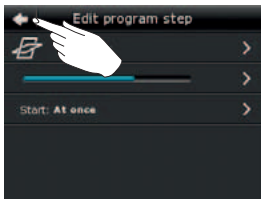
Tap the bar with the blue slider.

10



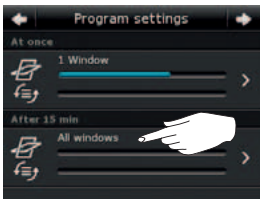
Drag the slider or tap the bar to open window to desired position. The position from 0-100 is shown in the bottom right corner (1).
Tap ⇨ (2).

11



Tap ⇦.

12



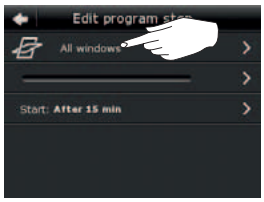
Tap "All windows".

Continue on the next page

Operation
Programs - VELUX programs

2

13



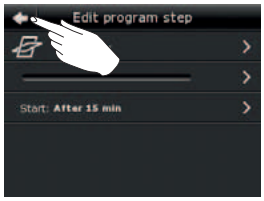
Tap "Alle vinduer".

14



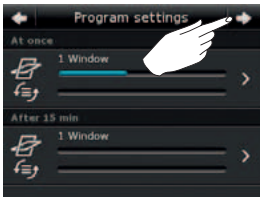
Remove ticks at the windows not to be closed (1).
Tryk på ⇨ (2).

15



Tap ⇦.

16



Tap ⇨.

17



Tap ⌂ to finish.

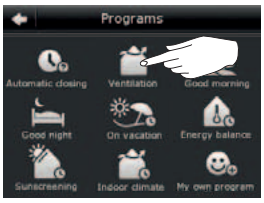
If you use a program often, you can place it in the product navigator to have direct access to it, see the section *Adding a program to the product navigator.*

Adding a program to the product navigator

You can place a program in the product navigator to make it easier to activate.
Note: Only programs running once when activated can be added to the product navigator, see the section *Using programs*.

The example shows how to add the program "Ventilation" to the product navigator.

1



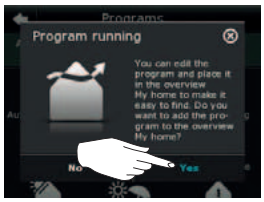
Tap "Ventilation".

2



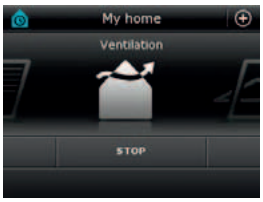
Tap "Start".

3



Tap "Yes".

4

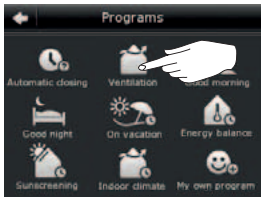


Now the program has been added to the product navigator where you can access it easier.

Resetting to default settings

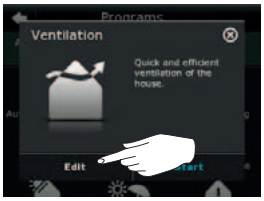
To cancel your settings, you can reset to default settings.

1



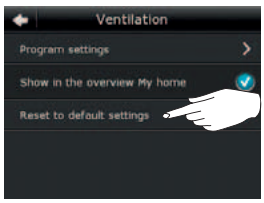
Tap "Ventilation".

2



Tap "Edit".

3



Tap "Reset to default settings".

4



Tap "Yes".

Operation
Programs - Own programs

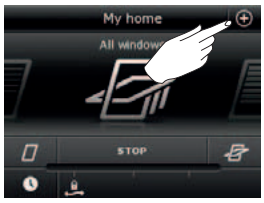
2

Creating a program

If the VELUX programs do not cover your requirements, you can make your own program. You may for instance need to ventilate a room before dark every day.

The example shows how to make a program with the name "Night cooling".

1



Tap ⊕.

2



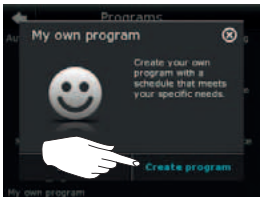
Tap "Programs".

3



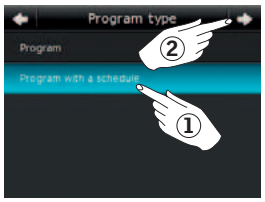
Tap "My own program".

4



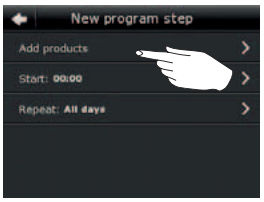
Tap "Create program".

5



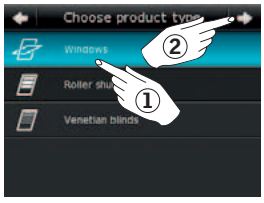
Tap "Program with schedule" if the program is to be repeated on selected days (1).
Note: Tap "Program" only if the program is to run immediately.
Tap ⇨ (2).

6



Tap "Add products".

7



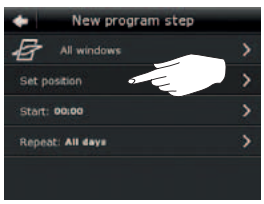
Tap "Windows" (1).
Tap ⇨ (2).

8



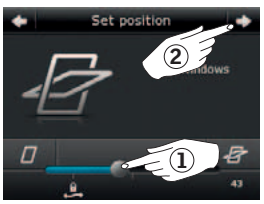
Scroll down the display and tick the windows to be part of the program (1).
Note: The individual products can be identified by tapping "Find product". See also the section *Find products*.
Tap ⇨ (2).

9



Tap "Set position".

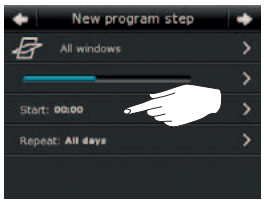
10



Drag the slider or tap the bar to set the opening of the windows. The position from 0-100 is shown in the bottom right corner (1).
Tap ⇨ (2).

Continue on the next page

11



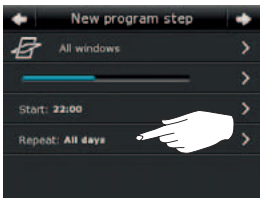
Tap "Start 00:00".

12



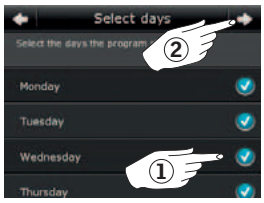
Roll the wheel to set the time to open the windows (1).
Tap "OK" (2).

13



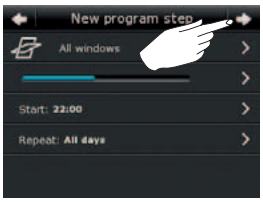
Tap "Repeat: All days".

14



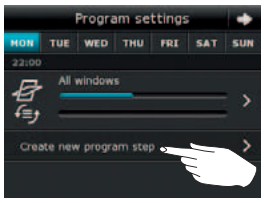
Scroll down the display and remove tick at the days not to be part of the program (1).
Tap ⇨ (2).

15



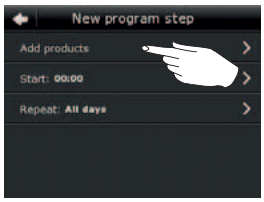
Tap ⇨.

16



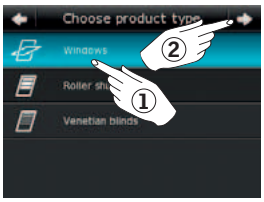
Tap "New program step" to set the time to close the windows again.

17



Tap "Add products".

18



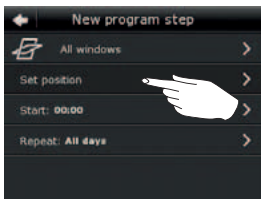
Tap "Windows" (1).
Tap ⇨ (2).

19



Scroll down the display and tick the windows to be part of the program (1).
Note: The individual products can be identified by tapping "Find product". See also the section *Find products*.
Tap ⇨ (2).

20



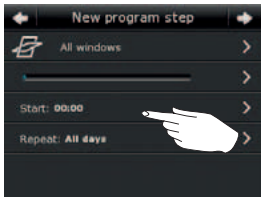
Tap "Set position".

21



Drag the slider or tap the bar to set the opening of the windows to 0%. The position from 0-100 is shown in the bottom right corner (1).
Tap ⇨ (2).

22



Tap "Start 00:00".

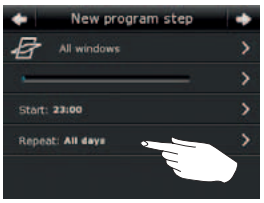
Continue on the next page

23



Roll the wheel to set the time to close the windows (1).
Tap "OK" (2).

24



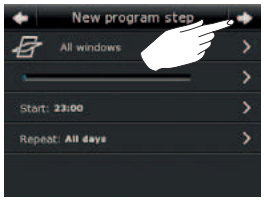
Tap "Repeat: All days".

25



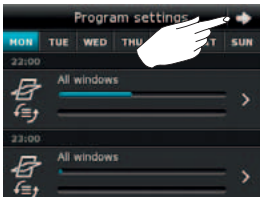
Scroll down the display and remove tick at the days not to be part of the program (1).
Tap ⇨ (2).

26



Tap ⇨.

27



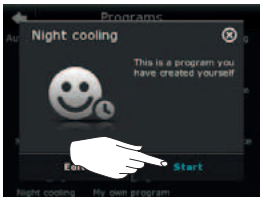
Tap ⇨.

28



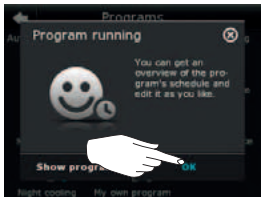
Enter a name for the program, in this case "Night cooling" (1). For use of keyboard, see the section *Keyboard*.
Tryk på ⇨ (2).

29



Tap "Start" to activate the program.

30



Tap "OK".

31



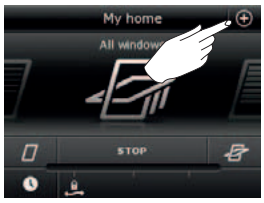
The program "Night cooling" is now in the program overview. From this overview you may start, stop and edit the program at any time. When you start it, the clock turns blue.

Editing a program

You can change the settings in a program to make it suit you better.

The example shows how to change the settings so that Window 3 is no longer part of the program "Night cooling".

1



Tap ⊕.

2



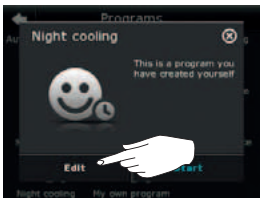
Tap "Programs".

3



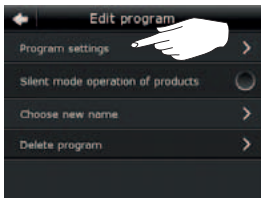
Tap "Night cooling".

4



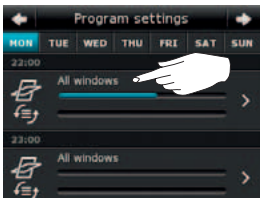
Tap "Edit".

5



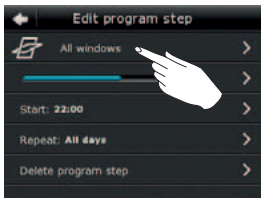
Tap "Program settings".

6



Tap "All windows ".

7



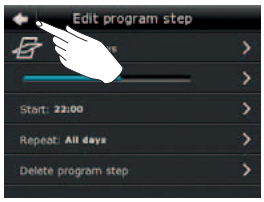
Tryk på "All windows ".

8



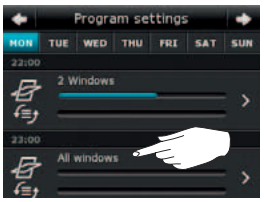
Remove tick at the window not to be opened (1).
Tap ⇨ (2).

9



Tap ⇦.

10

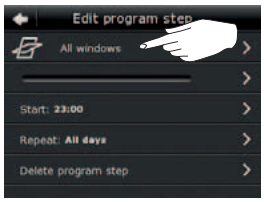


Tap "All windows".

Continue on the next page

Operation
Programs - Own programs

11



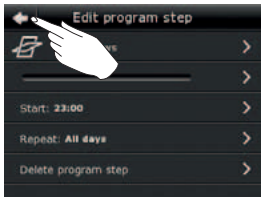
Tap "All windows".

12



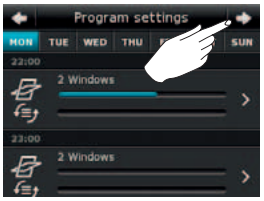
Remove tick at the window not to be closed (1).
Tap ⇨ (2).

13



Tap ⇦.

14



Tap ⇨ .

15



Tap ⌂ to finish.

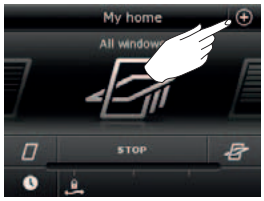
Adding a program to the product navigator

You can place a program in the product navigator to make it easier for you to activate it.

Note: Only programs running once when activated can be added to the product navigator, see the section *Using programs*.

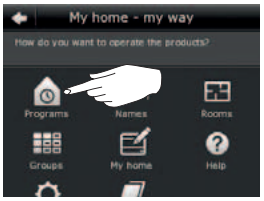
The example shows how to add the program "After cooking" to the product navigator.

1



Tap ⊕.

2



Tap "Programs".

3



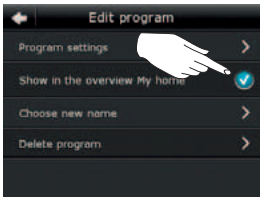
Tap "After cooking".

4



Tap "Edit".

5



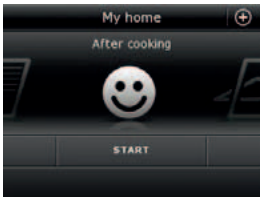
Tick "Show in the overview My home".

6



Tap ⌂ finish.

7



Now the program has been added to the product navigator where you can start and stop it.

Renaming a program

You can rename of your own programs.

In the example, the name of the program "After cooking" is changed into "Fresh air".

1



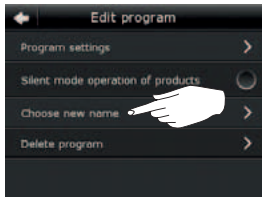
Tap "After cooking".

2



Tap "Edit".

3



Tap "Choose new name".

4



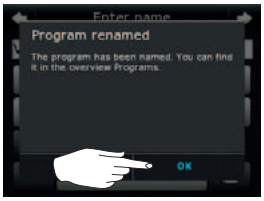
Tap ⌫ repeatedly to delete the present name. For use of keyboard, see the section *Keyboard*.

5



Enter a new name for the program, in this case "Fresh air" (1).
Tap ⇨ (2).

6



Tap "OK".

7



Tap ⌂ to finish.

8



You can find the program with the new name in the product navigator.

Silent mode operation

Some products have been set to silent mode operation when they are activated by programs running according to a schedule, see also *Use of programs*. This may for instance be convenient if the products are activated automatically at night. Please note that products run slower when they have been set to silent mode operation. If you opt out of silent mode operation, the products will run faster.

The example shows how to set the products operated via the program "Night cooling", to silent mode operation.

1



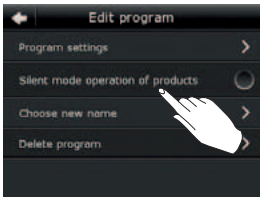
Tap "Night cooling".

2



Tap "Edit".

3



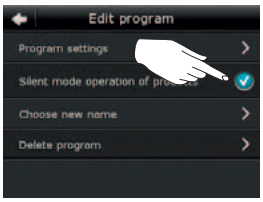
Tap "Silent mode operation of products".

4



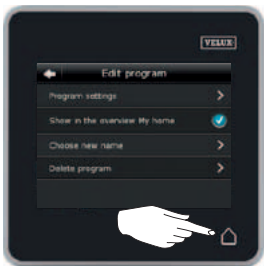
Tap "Yes".

5



The tick shows that silent mode operation has been chosen.

6



Tap ⌂ to finish.

Deleting a program

If you do not want to use one of your own programs anymore, you can delete it.

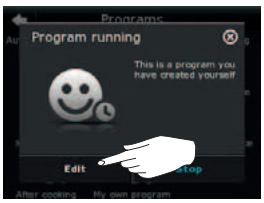
The example shows how to delete the program "Night cooling".

1



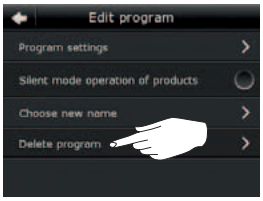
Tap "Night cooling".

2



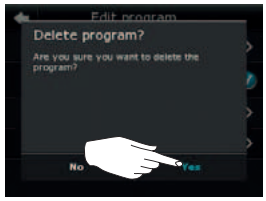
Tap "Edit".

3



Tap "Delete program".

4



Tap "Yes".

Finding products

It may be difficult to tell the products from each other in the product navigator. Therefore, you can identify the product of interest if you are not sure whether you have identified the right one. When this is important to know in order to carry on, you are offered the function "Find product".

The example shows how to find Window 3 if you for instance are renaming the window.

1



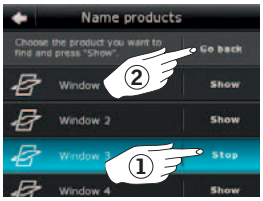
Tap "Window 3" (1).
Tap "Find product" (2).

2



Tap "Show" at "Window 3".
Window 3 is now activated briefly so you can determine if you have identified the right product.

3



Tap "Stop" (1).
Tap "Go back" (2).

4



You can now continue renaming the window or finding another product.

Keyboard

To change the names created automatically, you can enter new names via a keyboard.

Keyboard functions:



Switching between lower and upper case letters and between figures and special characters.

Switching between letters and figures.

Deleting the latest entered character.

The example shows how to use the keyboard, for instance when you are renaming groups and want to call a group "Group 1".

1



Enter "Group" (1).
Tap "123#" to switch to figures (2).

2



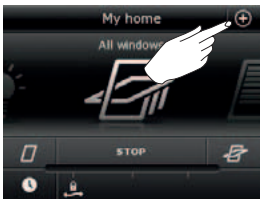
Tap the space bar (1).
Enter "1" (2).
Tap ⇨ to continue (3).

Renaming products

You can change the names of products to make it easier to find and operate them.

The example shows how to change the names of Window 4 and Window 5 into Left and Right respectively.

1



Tap ⊕.

2



Tap "Name product".

3



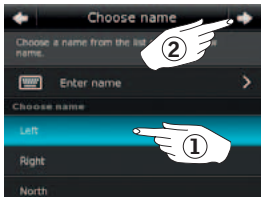
Tap "Window 4" (1).
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.
Tap ⇨ (2).

4



Scroll down the display to find a name for the product on the list.
Note: You can also enter a name of your own by tapping "Enter name". For use of keyboard, see the section *Keyboard*.

5



Select "Left" (1).
Tap ⇨ (2).

6



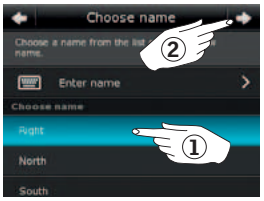
Tap "OK".

7



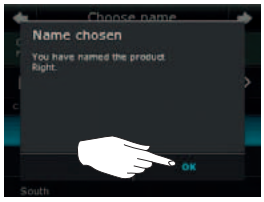
Tap "Window 5" (1).
Tap ⇨ (2).

8



Select "Right" (1).
Tap ⇨ (2).

9



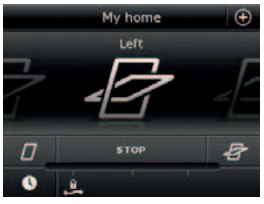
Tap "OK".

10



Tap ⌂ to finish.

11

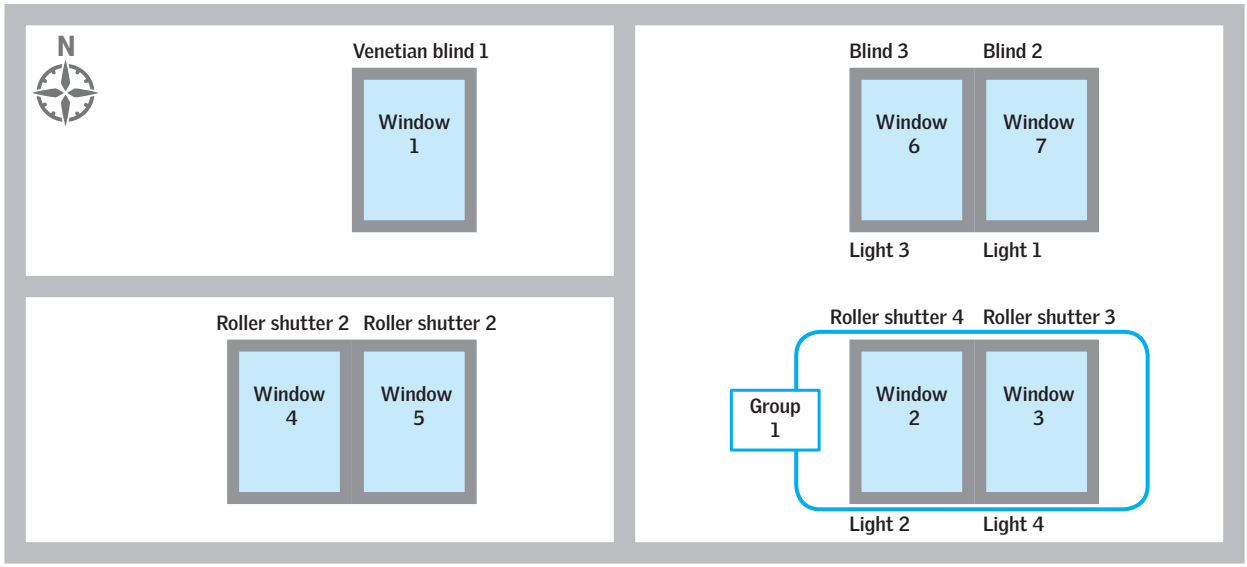


The windows are now called "Left" and "Right" in the product navigator.

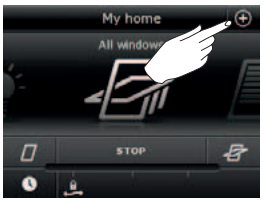
Creating a group

If you have several products of the same type, you can operate them simultaneously by grouping them. For instance, you can open and close all windows facing south or all windows in a room at the tap on a button.

The example shows how to create the group "Group 1" and place the products Window 2 and Window 3 in it.

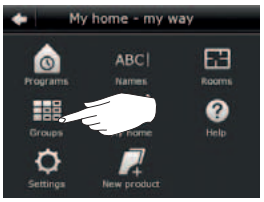


1



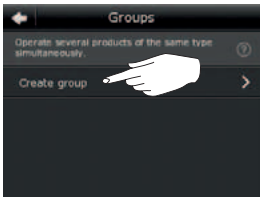
Tap ⊕.

2



Tap "Groups".

3



Tap "Create group".

4



Tap "Windows" (1).
Tap ⇨ (2).

5



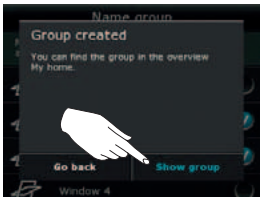
Scroll down the display and tick the windows to be part of the group (1).
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.
Tap ⇨ (2).

6



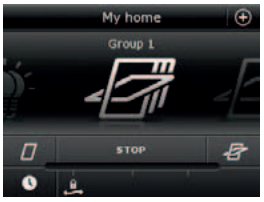
Enter a name for the group, in this case "Group 1" (1).
For use of keyboard, see the section *Keyboard*.
Tap ⇨ (2).

7



Tap "Operate group" to finish.
Note: Tap "Create more" to make more settings.

8

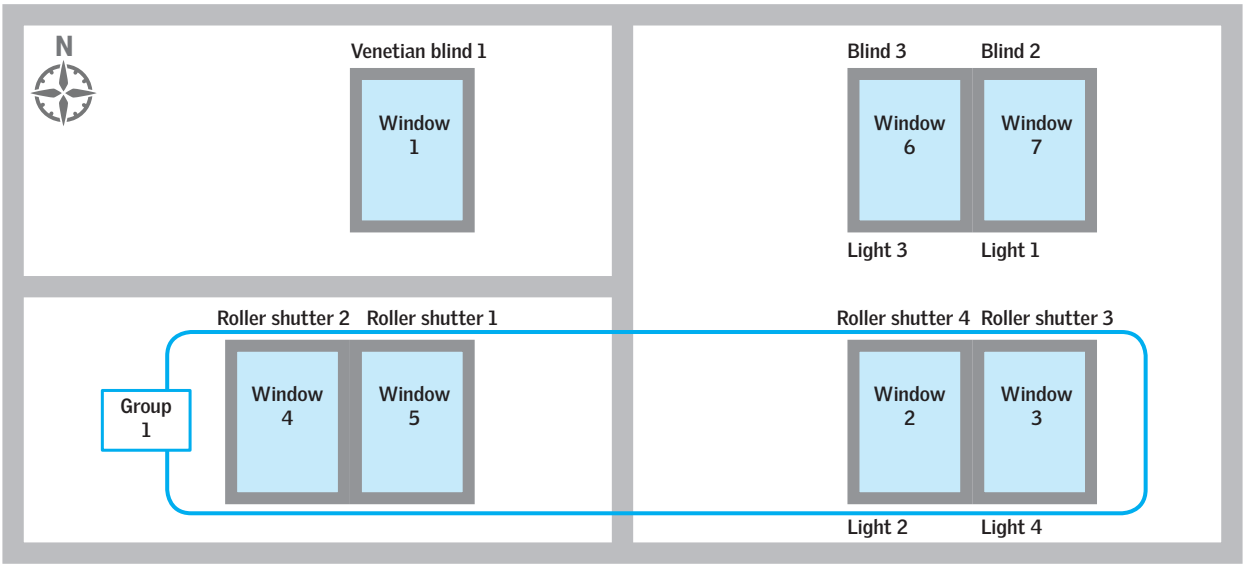


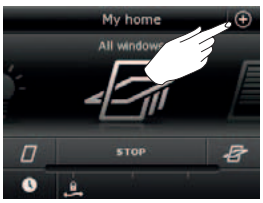
You can find the group "Group 1" in the product navigator.

Editing a group

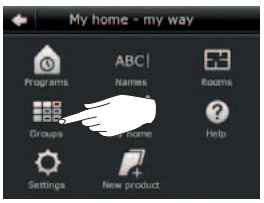
You can change the contents of a group by adding or removing products.

The example shows how to add Window 4 and Window 5 to the group "Group 1", already consisting of Window 2 and Window 3.

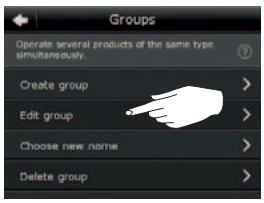


1 

Tap ⊕.

2 

Tap "Groups".

3 

Tap "Edit group".

4 

Tap "Group 1" (1).
Tap ⇨ (2).

5 

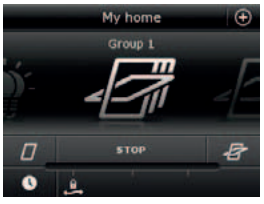
Scroll down the display to find the relevant windows.
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.

6 

Tick the windows to be added to the group (1).
Note: Products can similarly be removed from a group by removing the tick.
Tap ⇨ (2).

7 

Tap "Operate group" to finish.
Note: Tap "Create more" to make more settings.

8 

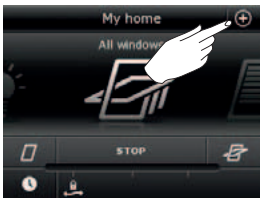
You can find the changed contents of the group "Group 1" in the product navigator.

Renaming a group

You can change the name of a group.

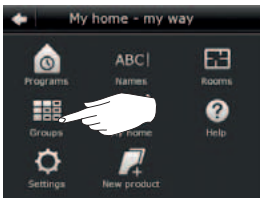
The example shows how to change the name "Group 1" into "South windows".

1



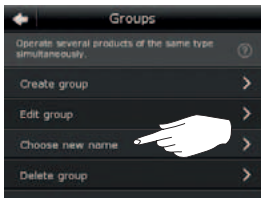
Tap ⊕.

2



Tap "Groups".

3



Tap "Rename group".

4



Tap "Group 1" (1).
Tap ⇨ (2).

5



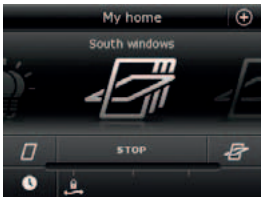
Enter a name for the group, in this case "South windows" (1). For use of keyboard, see the section *Keyboard*.
Tap ⇨ (2).

6



Tap "Operate group" to finish.
Note: Tap "Name more" to make more settings.

7



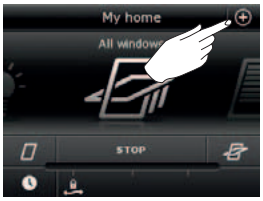
The group is now called "South windows" in the product navigator.

Deleting a group

You can delete a group if it is not relevant anymore.

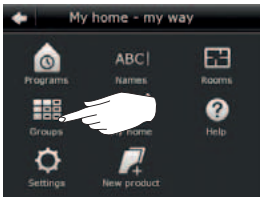
The example shows how to delete the group "South windows".
Note: Only the group is deleted. You can still operate the products individually via the product navigator.

1



Tap ⊕.

2



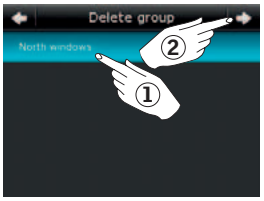
Tap "Groups".

3



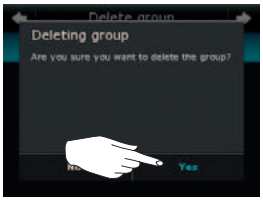
Tap "Delete group".

4



Tap the group to be deleted, in this case "South windows" (1).
Tap ⇨ (2).

5



Tap "Yes".

6

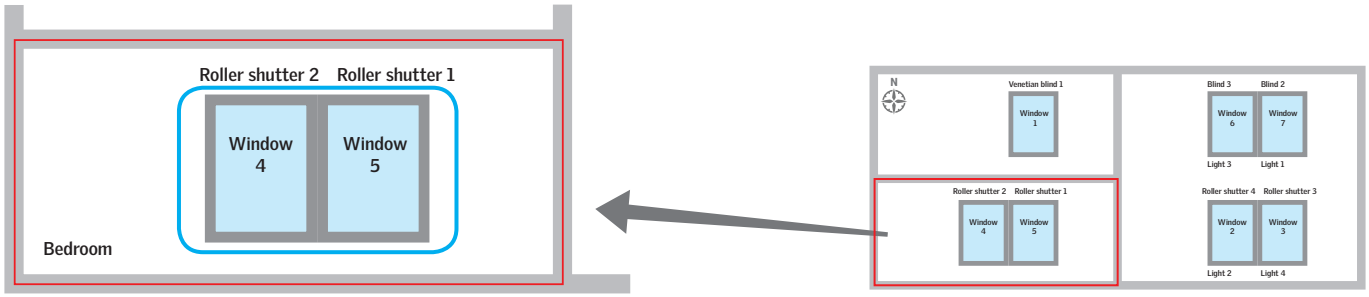


Tap ⌂ to finish.
The group "South windows" is not in the product navigator anymore.
However, you can still operate the products individually via the product navigator.

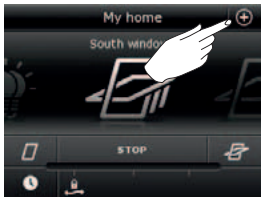
Creating a room

You can create rooms corresponding the actual rooms in your home, and put your VELUX products in them. This makes it easier to find and operate the right products.

The example shows how to create the room "Bedroom" and put the products Window 4 and Window 5 in it.



1



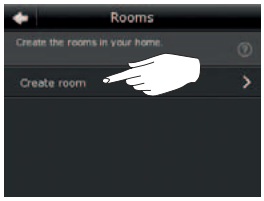
Tap ⊕.

2



Tap "Rooms".

3



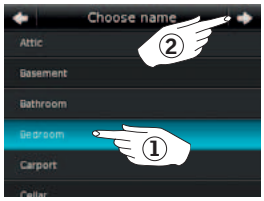
Tap "Create room".

4



Scroll down the display to find a name for the room on the list.
Note: You can also enter a name of your own by tapping "Enter name". For use of key-board, see the section *Keyboard*.

5



Select "Bedroom" (1).
Tap ⇨ (2).

6



Scroll down the display and tick the windows in the room (1).
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.
Tap ⇨ (2).

7



Tap "Operate room" to finish.
Note: Tap "Create more" to make more settings.

8

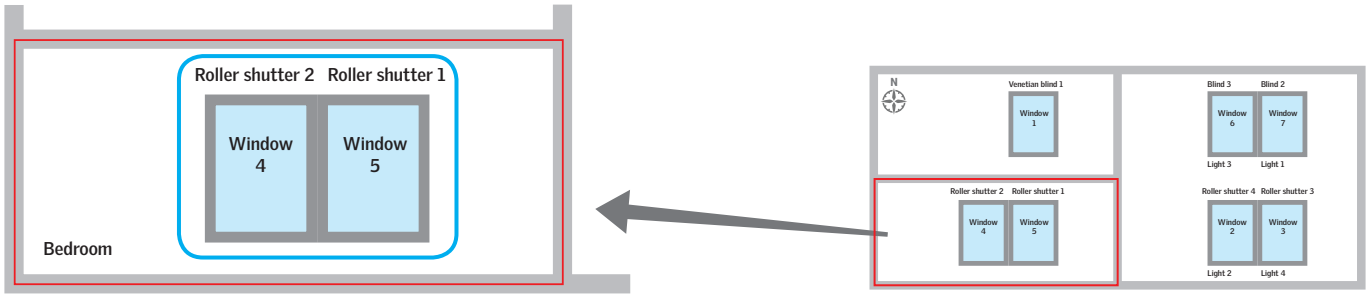


You can now find the room "Bedroom" in the product navigator.

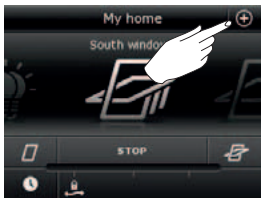
Editing a room

You can change the contents of a room by adding or removing products.

The example shows how to add Roller shutter 2 and Roller shutter 1 to the room "Bedroom", already consisting of Window 4 and Window 5.



1



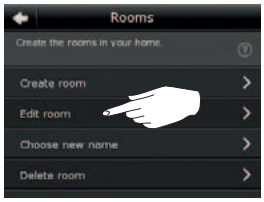
Tap ⊕.

2



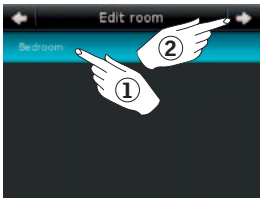
Tap "Rooms".

3



Tap "Edit room".

4



Tap "Bedroom" (1).
Tap ⇨ (2).

5



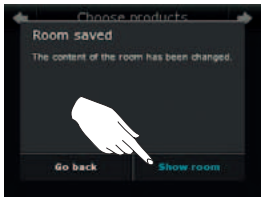
Scroll down the display to find the roller shutters in the room.
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.

6



Tick the roller shutters to be added to the room (1).
Note: Products can similarly be removed from a room by removing the tick.
Tap ⇨ (2).

7



Tap "Operate room" to finish.
Note: Tap "Edit more" to make more settings.

8



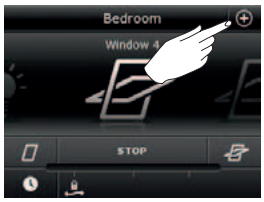
You can now see the changed contents of the room "Bedroom" in the product navigator.

Renaming a room

You can change the name of a room.

The example shows how to change the name "Bedroom" into "Child's room".

1



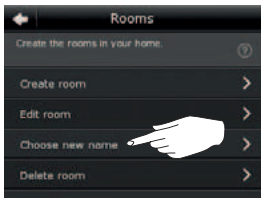
Tap ⊕.

2



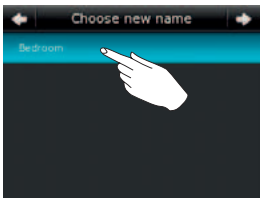
Tap "Rooms".

3



Tap "Choose new name".

4



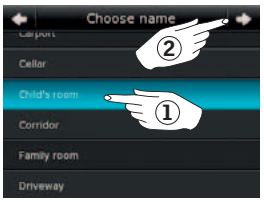
Tap "Bedroom" (1).
Tap ⇨ (2).

5



Scroll down the display to find a name for the room on the list.
Note: You can also enter a name of your own by tapping "Enter name". For use of keyboard, see the section *Keyboard*.

6



Select "Child's room" (1).
Tap ⇨ (2).

7



Tap "Operate room" to finish.
Note: Tap "Rename more" to make more settings.

8



The room is now called "Child's room" in the product navigator.

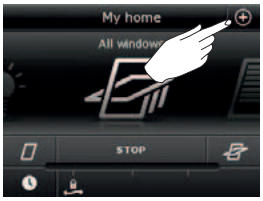
Deleting a room

You can delete a room if it is not relevant anymore.

The example shows how to delete the room "Child's room".

Note: Only the room is deleted. You can still operate the products individually via the product navigator.

1



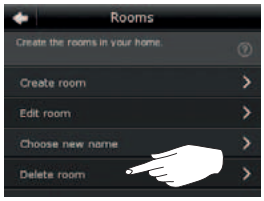
Tap ⊕.

2



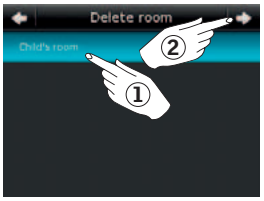
Tap "Rooms".

3



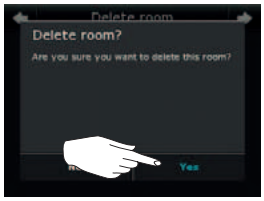
Tap "Delete room".

4



Tap the room to be deleted, in this case "Child's room" (1).
Tap ⇨ (2).

5



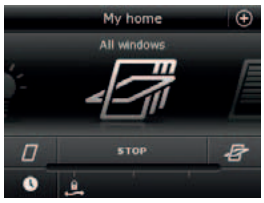
Tap "Yes".

6



Tap ⌂ to finish.

7



The room "Child's room" is not in the product navigator anymore.
However, you can still operate the products individually via the product navigator.

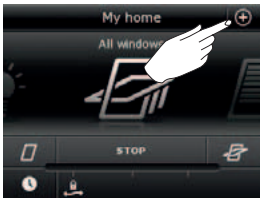
Operation
Smart operation - Favourites

Editing order of products in the product navigator

If you use some products, groups or programs more often than others, it may be convenient to show them in another order in the product navigator.

The example shows how to put the products Window 4 and Window 5 first in the product navigator.

1



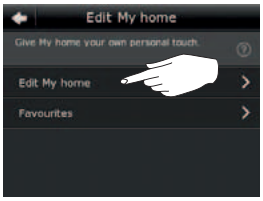
Tap ⊕.

2



Tap "My home".

3



Tap "Order of products".

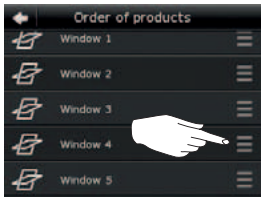
4



Scroll down the display to find the relevant product, in this case Window 4.

Note: The individual products can be identified by tapping "Find product". See also section *Find products*.

5



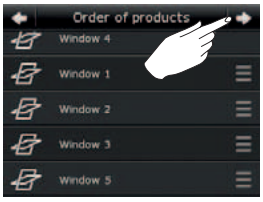
Tap ☰.

6



Tap ▲ three consecutive times to put Window 4 in front of Window 1.

7



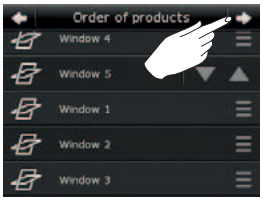
Tap ⇨.

8



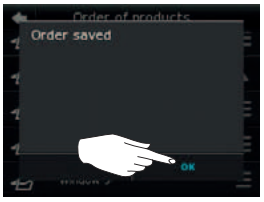
Complete items 5 and 6 for Window 5 to put it beneath Window 4.

9



Tap ⇨.

10



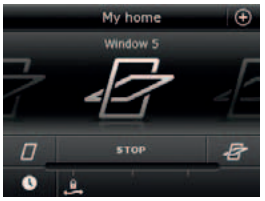
Tap "OK".

11



Tap ⌂ to finish.

12



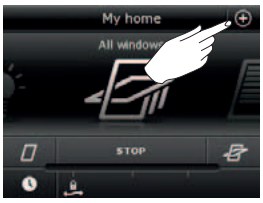
Window 4 and Window 5 are now at the top of the product navigator.

Editing favourites

When activating the function "Favourites" the product navigator only shows the products, groups and/or programs you use most often. You can at any time choose to see all your products, groups and/or programs again.

The example shows how to choose Window 4 and Window 5 as favourites. In consequence, these products will be the only ones shown in the product navigator. This may be convenient if the control pad is only to be used in the room where Window 4 and Window 5 are located.

1



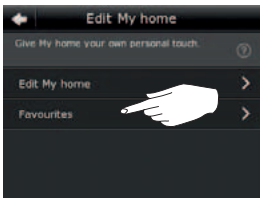
Tap ⊕.

2



Tap "My home".

3



Tap "Favourites".

4



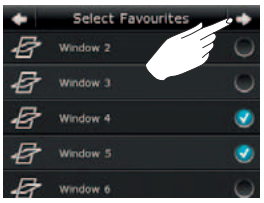
Tap "Edit Favourites".

5



As default all products have been chosen as favourites.
Tap ✓ to remove the tick at all products not to be favourites.

6



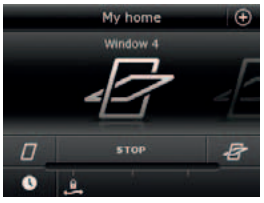
Tap ⇨ when only the products to be favourites remain ticked, in this case Window 4 and Window 5.

7



Tap ⌂ to finish.

8



The product navigator now shows Window 4 and Window 5 only.



To be able to see all products again, you must remove the tick at "Show Favourites" in item 7.

Operation
Operation without using the control pad

2

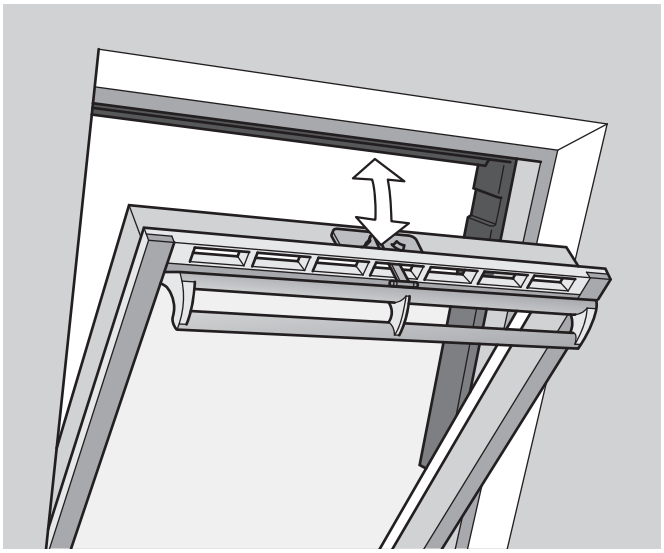
Manual operation of centre-pivot windows

You can open and close your centre-pivot window manually.

If the window is already open, you must close it fully with the control pad first.

- Open the window by pulling downwards on the control bar of the window.
- Close the window again by pushing the control bar back again.

Note: If you have opened the window manually, you must also close it manually to be able to operate it with the control pad again. This also applies to making the programs run and the window close automatically in case of rain.

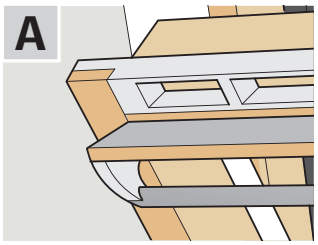


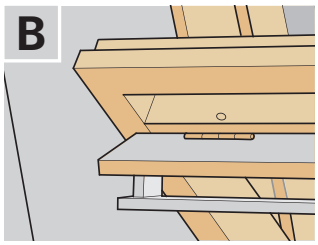
Operation
Operation without using the control pad

Closing centre-pivot windows in case of power failure or discharged battery

In case of power failure, you can close your centre-pivot window manually by disengaging the chain on the ventilation flap of the window.

There are two different ways of doing this, depending on window type, where the ventilation flap can look like **A** or **B**. See below on how to disengage the chain on the ventilation flap according to your window type.

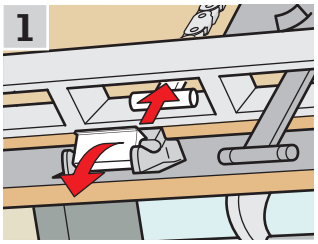


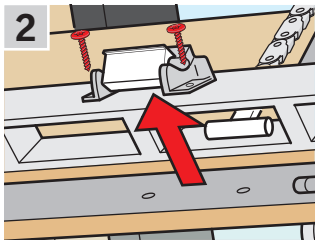


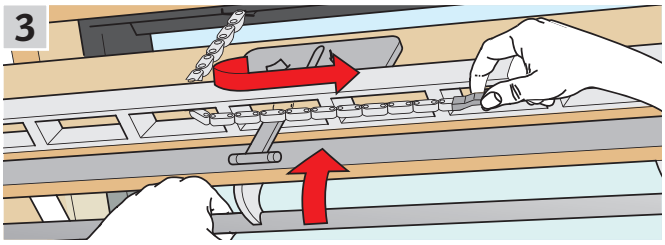
A

The ventilation flap of the window looks like **A**:

1) Disengage the chain by pressing the release clip on the flap bracket.
2) Remove the flap bracket.
3) Fold the chain as shown, and close the ventilation flap of the window to ventilation position.



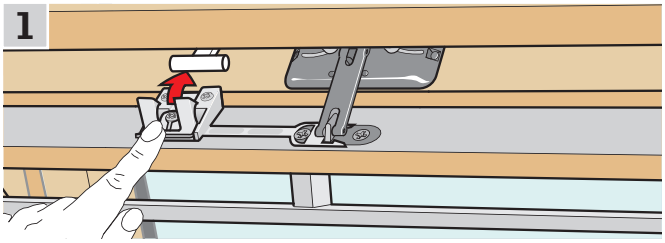


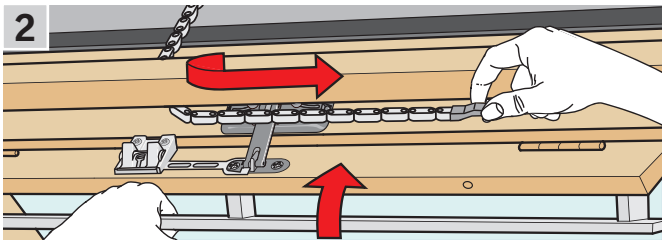


B

The ventilation flap of the window looks like **B**:

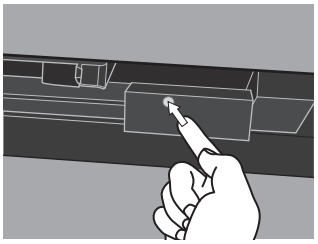
1) Disengage the chain by pressing the release clip on the flap bracket.
2) Fold the chain as shown, and close the window manually.





When the power has been reconnected or the battery has been recharged, you must re-engage the chain.

1) Open the window manually and unfold the chain.
2) Replace the flap bracket if the ventilation flap looks like **A**.
3) Run back the chain by pressing the test button on the window operator briefly.
4) Close the window manually.



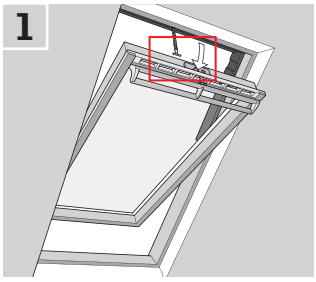
Operation
Operation without using the control pad

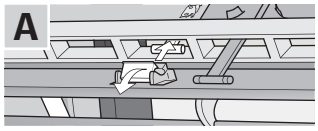
Closing windows if the control pad has been mislaid

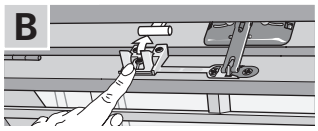
If your control pad has been mislaid, you can close your window by pressing a button on the window operator. See below on how to close your window without using the control pad, depending on window type.

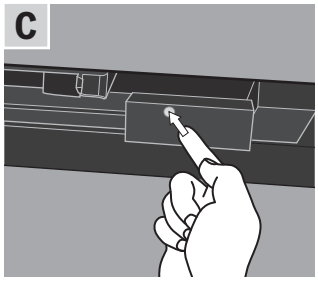
Centre-pivot windows

1) Disengage the chain as shown on the previous page **A**, **B**.
2) Press the test button on the window operator briefly **C**.
3) Close the window manually.



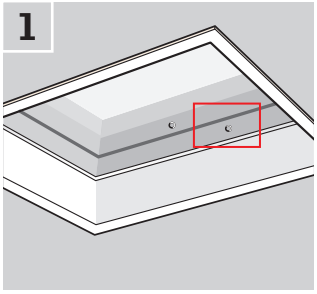


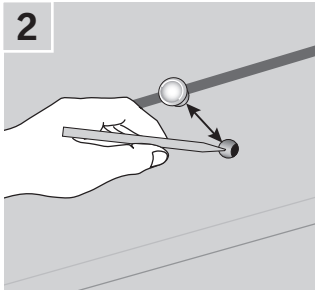




Flat roof windows

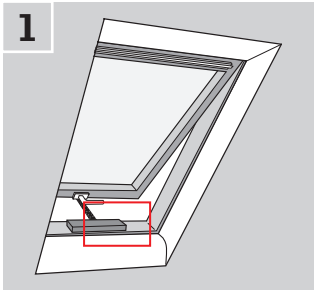
1) Carefully remove the cover cap on the kerb.
2) Press the test button on the window operator behind the cover cap briefly.

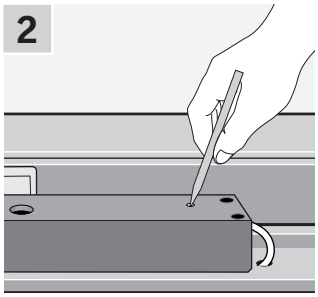




Top-hung windows

1) Remove the cover of the window operator.
2) Press the test button on the window operator briefly.





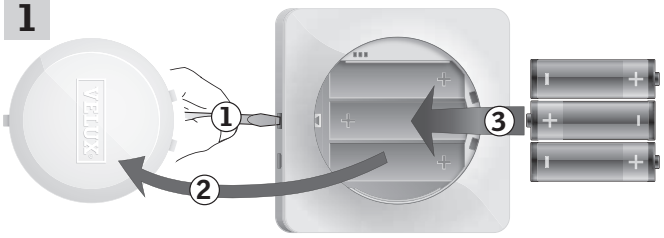
Setting up
Start-up of a new VELUX system

3

Initial set-up

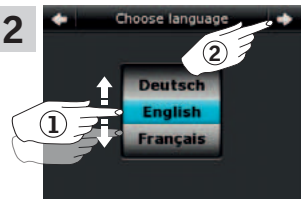
Before you can operate you VELUX products, they must be registered in the control pad.

1



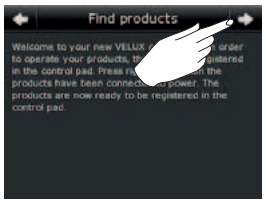
Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

2



Choose language by rolling the wheel, ie swiping a finger over the display in the directions of the arrows (1).
Tap ⇨ (2).

3



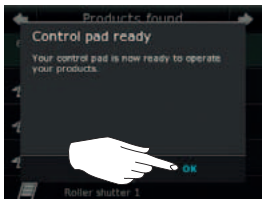
Follow the instructions in the display, and tap ⇨ when you are ready.

4



Tap ⇨ when the control pad has found **all** products.
Note: Tap "Search again" if the control pad did **not** find **all** products and follow the instructions in the display. Go to the section *If the initial set-up fails*, if the control pad still cannot find all products even if they are connected to power.

5



Tap "OK".

Setting up
Start-up of a new VELUX system

3

If the initial set-up fails

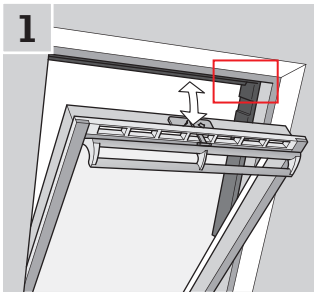
If the control pad cannot find some of the products, you can make the products ready for registration by manually resetting them to their initial factory settings.

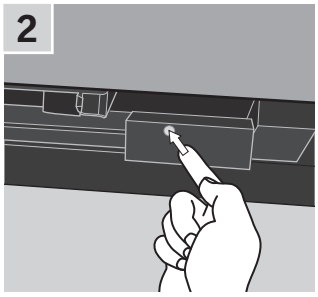
Note: Reset products cannot be operated until they have been registered in the control pad again. See the section *Initial set-up*.

Products can be reset in two different ways, depending on window type.

Centre-pivot windows

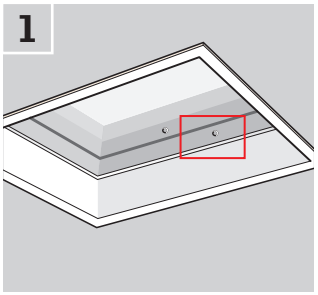
1) Open window manually (if the window is already open, close it by pressing the test button on the window operator).
2) Press the test button on the window operator for at least 10 seconds.
   The window operator and other electrical products on the window will run briefly back and forth. Frame lights, if installed, will flash briefly.

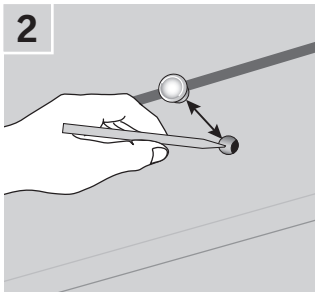




Flat roof windows

1) Carefully remove the cover cap on the kerb.
2) Press the test button on the window operator behind the cover cap for at least 10 seconds.
   The window operator and other electrical products on the window will run briefly back and forth.





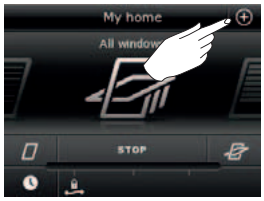
Setting up
Extension of your VELUX system

Adding products to the control panel

You can operate up to 200 products, for instance electric windows, roller shutters and blinds, by registering them in your control pad.

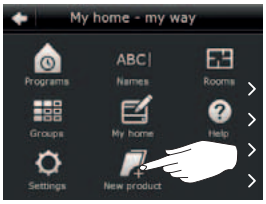
The example shows how to add more products to the control pad by following the instructions in the display.

1



Tap ⊕.

2



Tap "New product".

3



Tap "Add new products".

4



Tap ⇨.

5



Tap ⇨ when the control pad has found the products.

You can now operate the new products.

Setting up
Extension of your VELUX system - Adding a control

3

Adding a control to your system already operated with a VELUX INTEGRA® control pad KLR 200

To operate your VELUX products with additional controls, the contents of the control pad KLR 200 already in use can be copied to other controls.

Note: If you have edited the standard programs or made your own programs, these are not copied to the additional control.

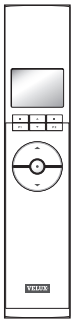
To find the control you want to add to your system, please see the page references below.



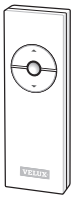
VELUX INTEGRA®
control pad KLR 200
(3LR A02)
Pages 41-42



VELUX INTEGRA®
controller KRX 100
(3LF D02)
Pages 43-45



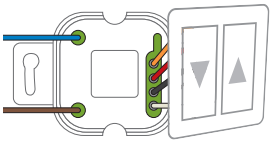
VELUX INTEGRA®
remote control without display
(3UR B01)
Page 46



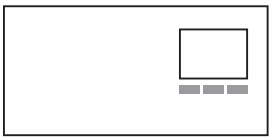
VELUX INTEGRA®
control switch KLI 110
(3LI D01)
Page 47



VELUX INTEGRA®
interface KLF 050
fitted into a wall switch/
socket of another make
(3LF D50)
Page 48



VELUX INTEGRA®
interface KLF 100
(3LF D01)
Pages 49-50



Other types of io-homecontrol®
controls
Pages 51-52

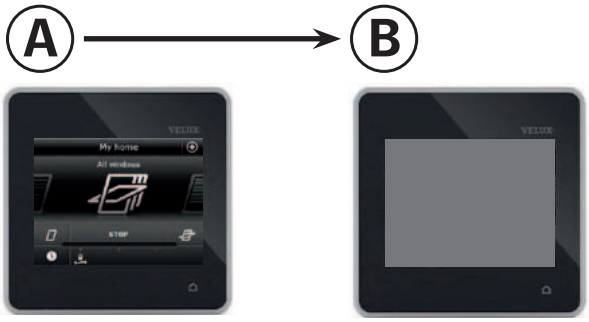


Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with a control pad KLR 200

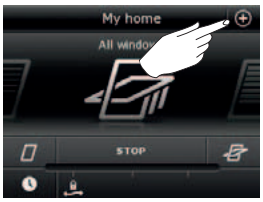
The instructions below show how to copy the contents of control pad KLR 200 to another control pad.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute items 1-4 with control Ⓐ, which is to **send** a copy.

1 Ⓐ



Tap ⊕.

2 Ⓐ



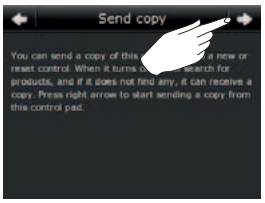
Tap "New product".

3 Ⓐ



Tap "Copy control pad".

4 Ⓐ



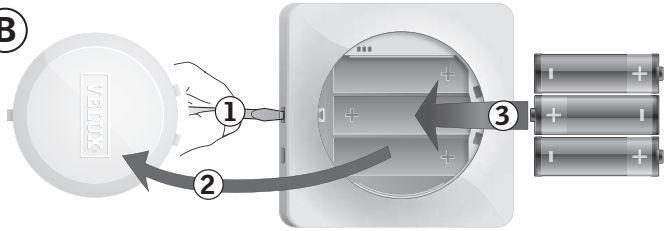
Tap ⇨.

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

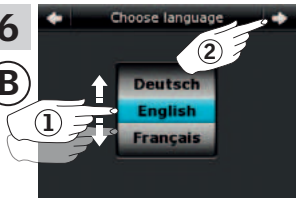
You now have 2 minutes to execute items 5-10 with control Ⓑ, which is to receive a copy.

5
Ⓑ



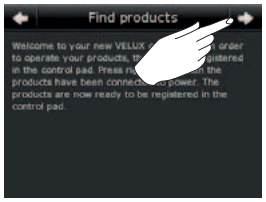
Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

6
Ⓑ



Choose language (1).
Tap ⇨ (2).

7
Ⓑ



Follow the instructions in the display and tap ⇨ when you are ready.

8
Ⓑ



Tap "Receive copy".

9
Ⓑ



Tap "OK".

10



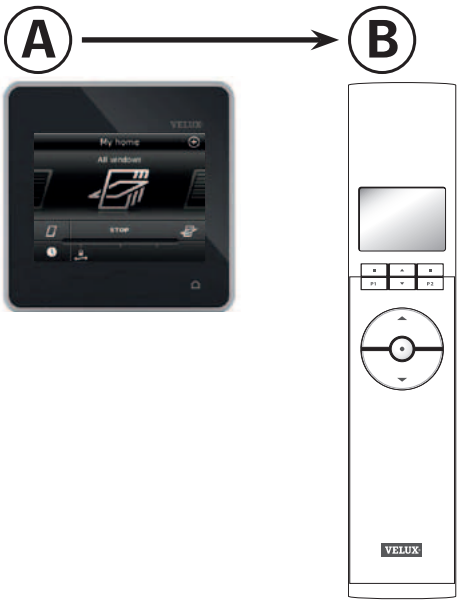
Tap ⌂ on both control pads to finish.

Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® controller KRX 100 to your system already operated with a control pad KLR 200

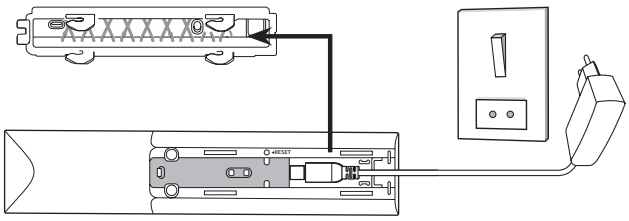
The instructions below show how to copy the contents of control pad KLR 200 to the controller. See also the instructions for the controller.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



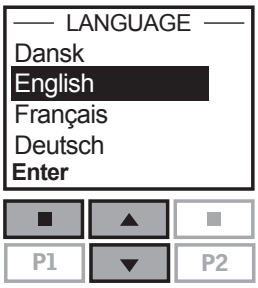
First execute items 1-3 with control Ⓑ, which is to **receive** a copy.

1
Ⓑ



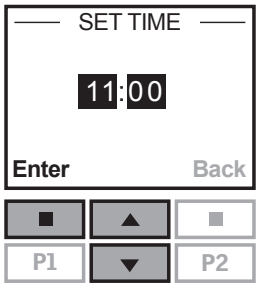
Connect to mains supply:
Remove the back cover of the controller as shown. Click the adaptor plug into the controller and replace the cover. Connect the adaptor to mains supply.
Note: The controller saves the selected settings even if the mains supply is disconnected. Therefore, it is advisable not to fit the controller permanently until the sunscreening products and the sensors have been registered in the controller.
However, time and date are only saved for 30 seconds after disconnection of mains supply.

2
Ⓑ



Select language:
Press ▲▼ to highlight your language.
Press ■ "Enter" to confirm your choice.

3
Ⓑ



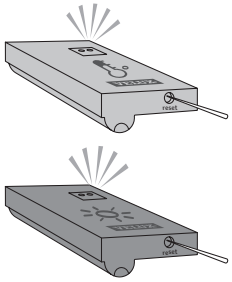
Set time the first time the controller is to be used:
Press ▲▼ to set minutes.
Press ■ "Enter" to change to hours.
Press ▲▼ to set hours.
Press ■ "Enter" to confirm your settings.

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

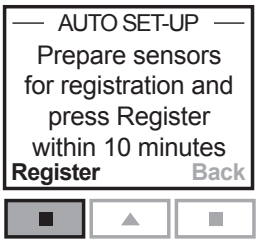
Prepare sensors and register them in the controller.
Note: You have 10 minutes to execute items 4-8.

4 Ⓑ



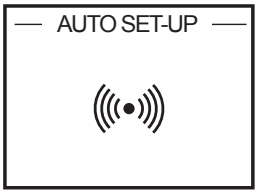
Prepare sensors for registration: Press the button at the bottom of the sensor with a pointed object for at least 5 seconds until the diode flashes.

5 Ⓑ



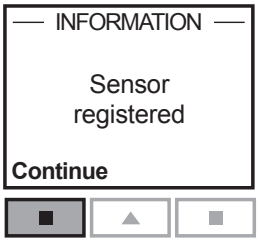
Register sensors in the controller:
Press ▭ "Register" to register the two sensors.

6 Ⓑ



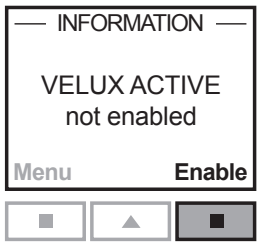
Registration is running. This may take some minutes.

7 Ⓑ



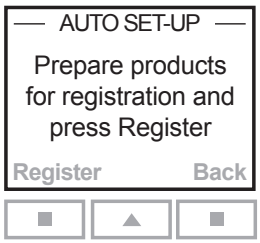
The display shows "Sensor registered" when the sensors have been registered.
Press ▭ "Continue" to proceed.

8 Ⓑ



The display shows that the program VELUX ACTIVE has not been enabled.
Press ▭ "Enable" to start registration of sunscreening products in the controller.

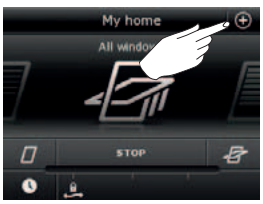
9 Ⓑ



Do not press "Register", until the sunscreening products have been prepared via a control.

Execute items 10-12 with control Ⓐ, which is to **send** a copy.

10 Ⓐ



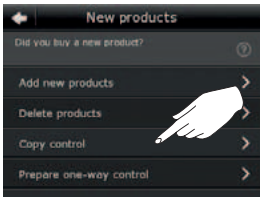
Tap ⊕.

11 Ⓐ



Tap "New product".

12 Ⓐ



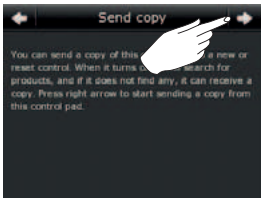
Tap "Copy control pad".

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

You now have two minutes to execute items 13-14.

13 (A)



Tap ⇨.

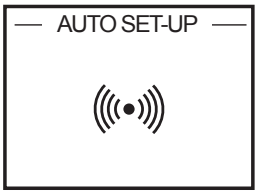
14 (B)



Tap ▭ "Register" in the controller to start registration.

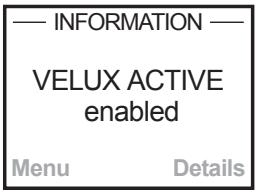
---

15 (B)



Registration is running. This may take some minutes.

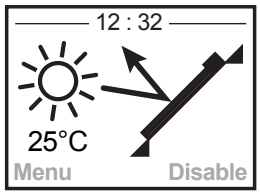
16 (B)



The display shows that the program VELUX ACTIVE has been enabled.
If the display shows that the program VELUX ACTIVE has not been enabled, please refer to the section *Initial set-up, Interior sunscreening products*, in the directions for use for the controller.

---

17 (B)



The display shows the program mode including current temperature and time.

---

18 (A)



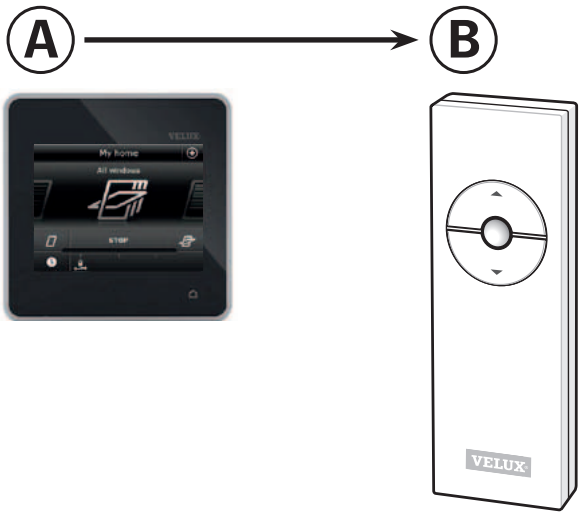
Tap ⌂ to finish.

Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® remote control without display to your system already operated with a control pad KLR 200

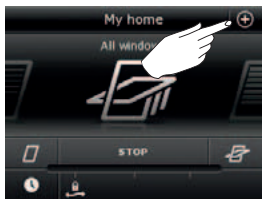
The instructions below show how to copy the contents of control pad KLR 200 to the remote control without display. See also the instructions for the remote control.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute items 1-5 with control Ⓐ, which is to **send** a copy.

1 Ⓐ



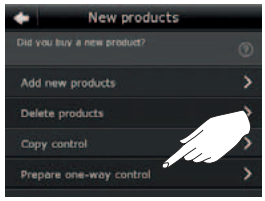
Tap ⊕.

2 Ⓐ



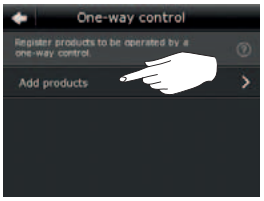
Tap "New product".

3 Ⓐ



Tap "Prepare one-way control".

4 Ⓐ



Tap "Add products".

5 Ⓐ



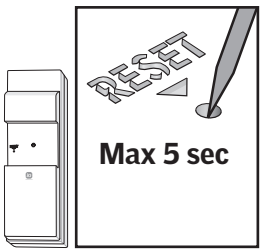
Scroll down the display and select the product to be added (1).
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.
Tap ⇨ (2).

6 Ⓐ



Now execute item 7 with control Ⓑ, which is to **receive** a copy.

7 Ⓑ



Press briefly the RESET button on the back with a pointed object to register the new product.
You can now operate the chosen product with control Ⓑ.

8 Ⓐ



Tap ⌂ to finish.

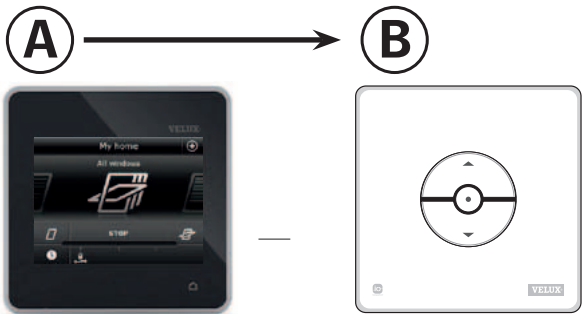
Note: To add more products, tap "Add more" and repeat items 5-8.

Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® control switch KLI 110 to your system already operated with a control pad KLR 200

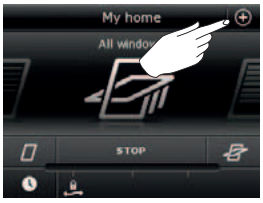
The instructions below show how to copy the contents of control pad KLR 200 to the control switch. See also the instructions for the control switch.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute items 1-5 with control Ⓐ, which is to **send** a copy.

1 Ⓐ



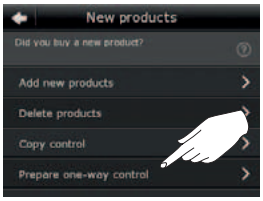
Tap ⊕.

2 Ⓐ



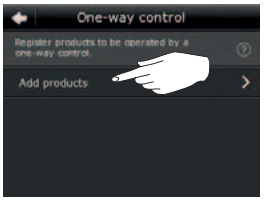
Tap "New product".

3 Ⓐ



Tap "Prepare one-way control".

4 Ⓐ



Tap "Add products".

5 Ⓐ



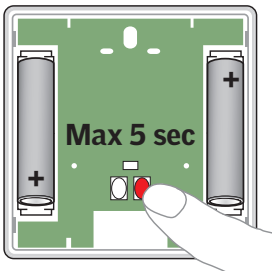
Scroll down the display and select the product to be added (1).
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.
Tap ⇨ (2).

6 Ⓐ



Now execute item 7 with control Ⓑ, which is to **receive** a copy.

7 Ⓑ



Press briefly the RESET button on the back to register the new product.
You can now operate the chosen product with control Ⓑ.

8 Ⓐ



Tap ⌂ to finish.

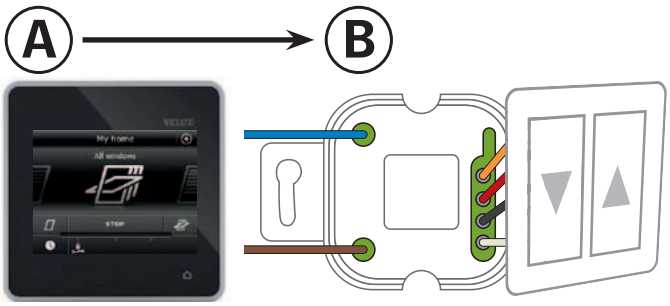
Note: To add more products, tap "Add more" and repeat items 5-8.

Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® interface KLF 050, which is fitted into a wall switch/socket of another make, to your system already operated with a control pad KLR 200

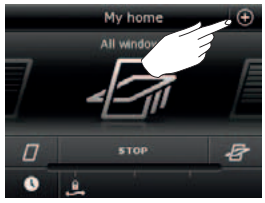
The instructions below show how to copy the contents of control pad KLR 200 to the interface fitted into a wall switch/socket of another make. See also the instructions for the interface.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute items 1-5 with control Ⓐ, which is to **send** a copy.

1 Ⓐ



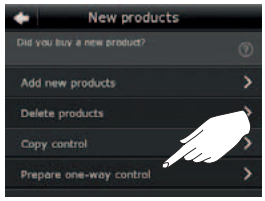
Tap ⊕.

2 Ⓐ



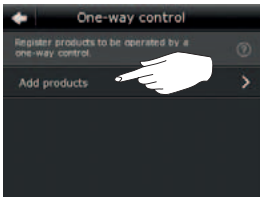
Tap "New product".

3 Ⓐ



Tap "Prepare one-way control".

4 Ⓐ



Tap "Add products".

5 Ⓐ



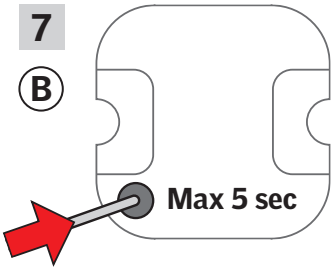
Scroll down the display and select the product to be added (1).
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.
Tap ⇨ (2).

6 Ⓐ



Now execute item 7 with control Ⓑ, which is to **receive** a copy.

7 Ⓑ



Press briefly the RESET button on the back with a pointed object to register the new product.

You can now operate the chosen product with control Ⓑ.

8 Ⓐ



Tap ⌂ to finish.

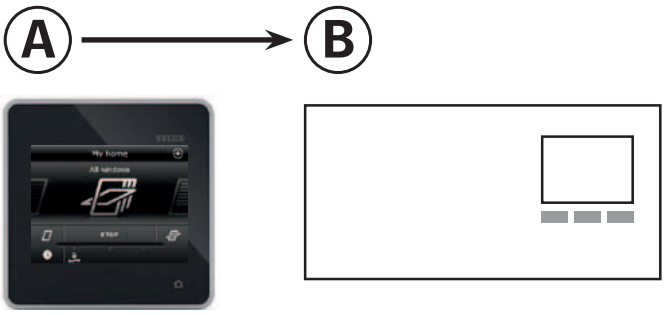
Note: To add more products, tap "Add more" and repeat items 5-8.

Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® interface KLF 100 to your system already operated with a control pad KLR 200

The instructions below show how to copy the contents of control pad KLR 200 to the interface. See also the instructions for the interface.

The control to **send** copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute item 1 with control Ⓑ, which is to **receive** a copy.

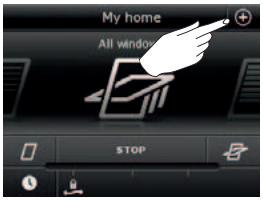
1 Ⓑ



Follow the instructions for the interface until the section where menu item H is highlighted.

Now execute items 2-4 with control Ⓐ, which is to **send** a copy.

2 Ⓐ



Tap ⊕.

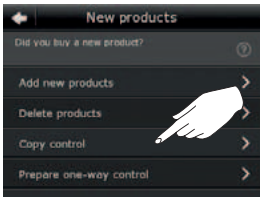
3 Ⓐ



Tap "New product".

---

4 Ⓐ



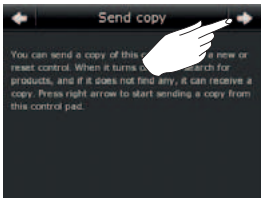
Tap "Copy control pad".

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

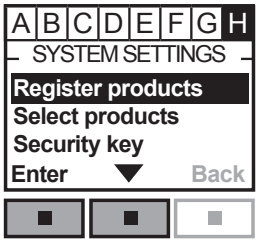
You now have two minutes to execute items 5 and 6.

5 (A)



Tap ⇨ .

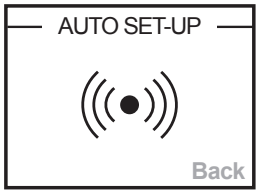
6 (B)



Press ▭ ▾ to highlight "Register products".
Press ▭ "Enter" to confirm your choice.

---

7 (B)



Automatic registration is running. Please wait. The registration can take up to one minute.

8 (B)



The display shows that the new product(s) has/have been registered.

---

9 (B)



Press ▭ "Back" to finish.

---

10 (A)



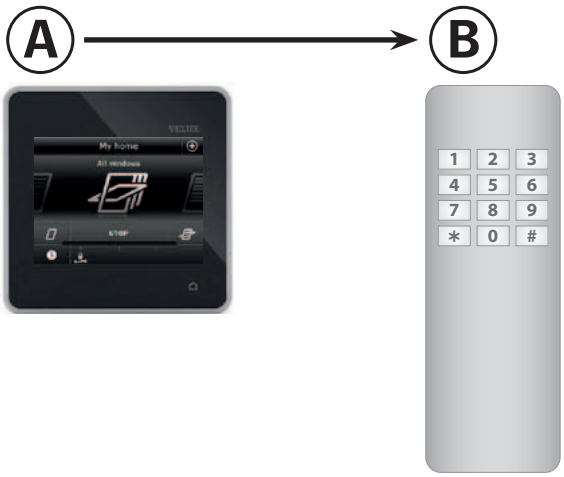
Tap ⌂ to finish.

Setting up
Extension of your VELUX system - Adding a control

Adding other types of io-homecontrol® controls to your system already operated with a VELUX INTEGRA® control pad KLR 200

The instructions below show how to copy the contents of control pad KLR 200 to other types of io-homecontrol® controls. See also the instructions for the control in question.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



The instructions are divided into two sections:

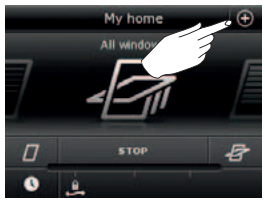
Instructions for one-way controls
marked with this symbol on the products

Instructions for two-way controls
marked with this symbol on the products

One-way controls

First execute items 1-5 with control Ⓐ, which is to **send** a copy.

1 Ⓐ



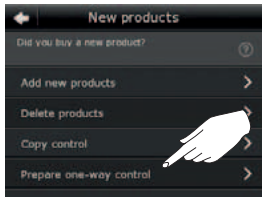
Tap ⊕.

2 Ⓐ



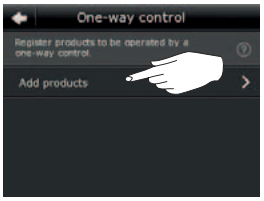
Tap "New product".

3 Ⓐ



Tap "Prepare one-way control".

4 Ⓐ



Tap "Add products".

5 Ⓐ



Scroll down the display and select the product to be added (1).
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.
Tap ⇨ (2).

6 Ⓐ



Execute item 7 with control Ⓑ, which is to **receive** a copy.

7 Ⓑ



See instructions for control Ⓑ.

8 Ⓐ



Tap ⌂ to finish.

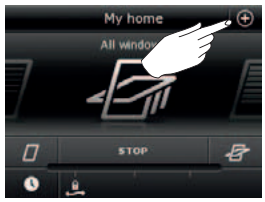
Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

Two-way controls

First execute items 1-4 with control Ⓐ, which is to **send** a copy.

1 Ⓐ



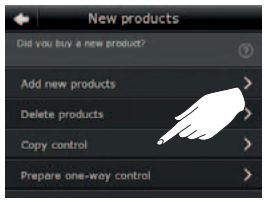
Tap ⊕.

2 Ⓐ



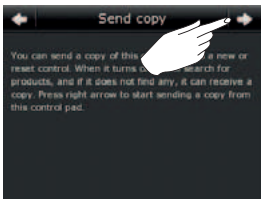
Tap "New product".

3 Ⓐ



Tap "Copy control pad".

4 Ⓐ



Tap ⇨.

You now have two minutes to execute item 5 with control Ⓑ, which is to **receive** a copy.

5 Ⓑ



See instructions for control Ⓑ. You may also refer to the section *Joint operation of io-homecontrol® products (generic configuration).*

6 Ⓐ



Tap ⌂ to finish.

Setting up
Extension of your VELUX system - Adding a control

3

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with another control

To operate your VELUX products with additional controls, the contents of the control already in use can be copied to your new control pad KLR 200.

Note: If you have edited the standard programs or made your own programs, these are not copied to your new control pad.

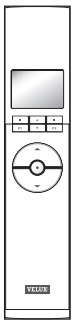
To find the control already operating your system, please see the page references below.



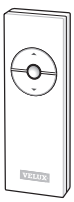
VELUX INTEGRA®
remote control KLR 100
(3LR A01)
Pages 54-55



VELUX INTEGRA®
controller KRX 100
(3LF D02)
Pages 56-57



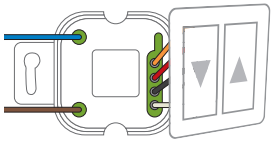
VELUX INTEGRA®
remote control without display
(3UR B01)
Pages 58-59



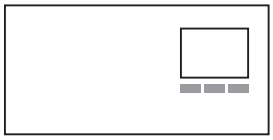
VELUX INTEGRA®
control switch KLI 110
(3LI D01)
Pages 60-61



VELUX INTEGRA®
interface KLF 050
fitted into a wall
switch/socket
of another make
(3LF D50)
Pages 62-63



VELUX INTEGRA®
interface KLF 100
(3LF D01)
Pages 64-65



Other types of io-homecontrol®
controls
Pages 66-67

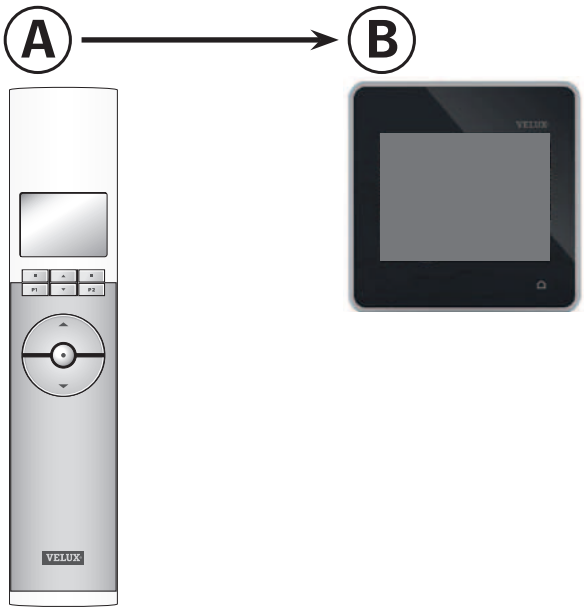


Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with a remote control KLR 100

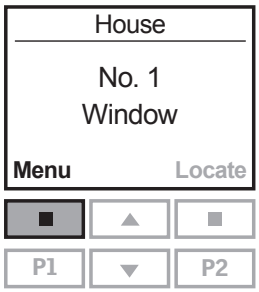
The instructions below show how to copy the contents from the remote control already in use to the control pad KLR 200. See also the instructions for the remote control.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



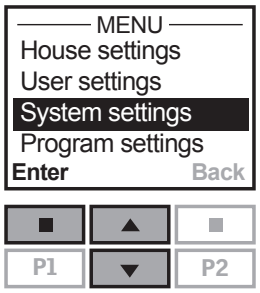
First execute items 1-3 with control Ⓐ, which is to **send** a copy.

1 Ⓐ



Press ▭ "Menu".

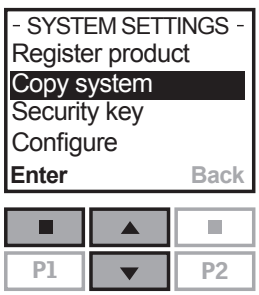
2 Ⓐ



Press ▭ to highlight "System settings".

Press ▭ "Enter" to confirm your choice.

3 Ⓐ



Press ▭ to highlight "Copy system".

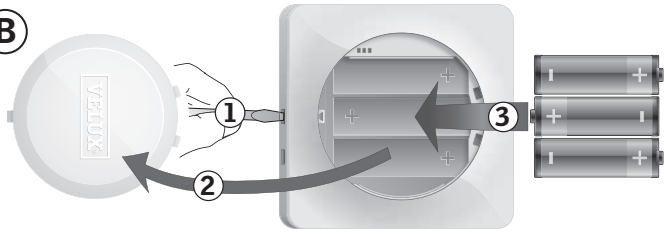
Press ▭ "Enter" to confirm your choice.

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

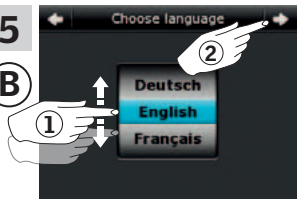
You now have two minutes to execute items 4-8 with control Ⓑ, which is to **receive** a copy.

4 Ⓑ



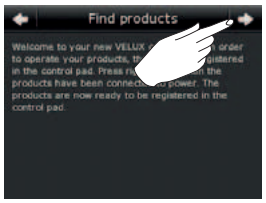
Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

5 Ⓑ



Choose language (1).
Tap ⇨ (2).

6 Ⓑ



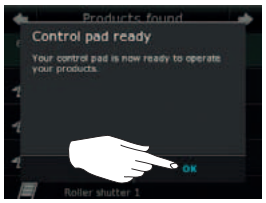
Follow the instructions in the display and tap ⇨ when you are ready.

7 Ⓑ



Tap "Receive copy".

8 Ⓑ



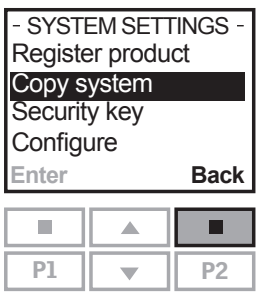
Tap "OK".

9 Ⓑ



Tap ⌂ to finish.

10 Ⓐ



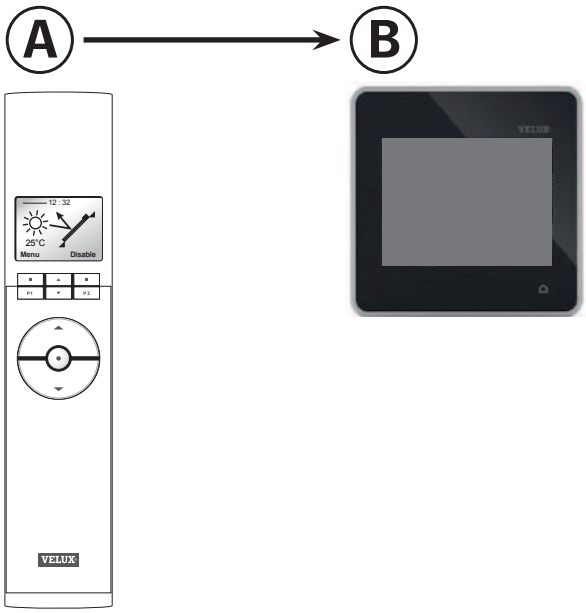
Press ▭ "Back" to finish.

Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with a controller KRX 100

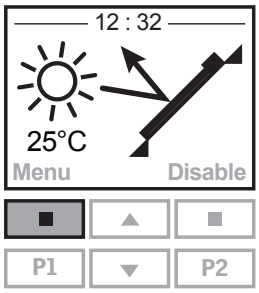
The instructions below show how to copy the contents from the controller already in use to the control pad KLR 200. See also the instructions for the controller.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



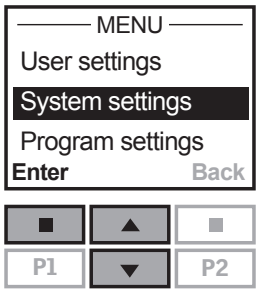
First execute items 1-3 with control Ⓐ, which is to **send** a copy.

1 Ⓐ



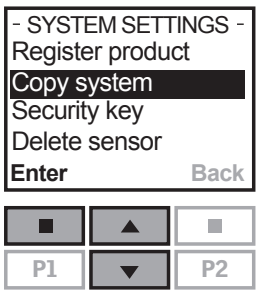
Press ▭ "Menu".

2 Ⓐ



Press ▭ to highlight "System settings".
Press ▭ "Enter" to confirm your choice.

3 Ⓐ



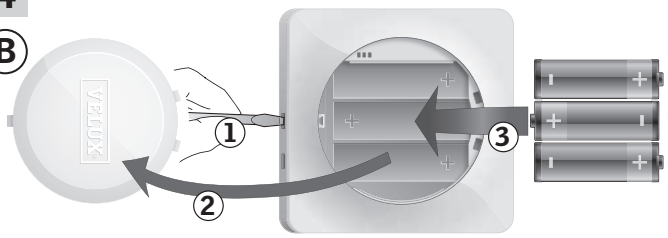
Press ▭ to highlight "Copy system".
Press ▭ "Enter" to confirm your choice.

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

You now have two minutes to execute items 4-8 with control Ⓑ, which is to **receive** a copy.

4 Ⓑ



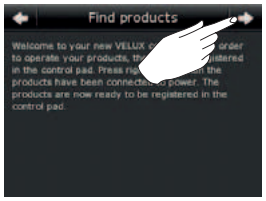
Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

5 Ⓑ



Choose language (1).
Tap ⇨ (2).

6 Ⓑ



Follow the instructions in the display and tap ⇨ when you are ready.

7 Ⓑ



Tap "Receive copy".

8 Ⓑ



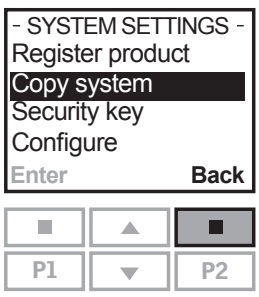
Tap "OK".

9 Ⓑ



Tap ⌂ to finish.

10 Ⓐ



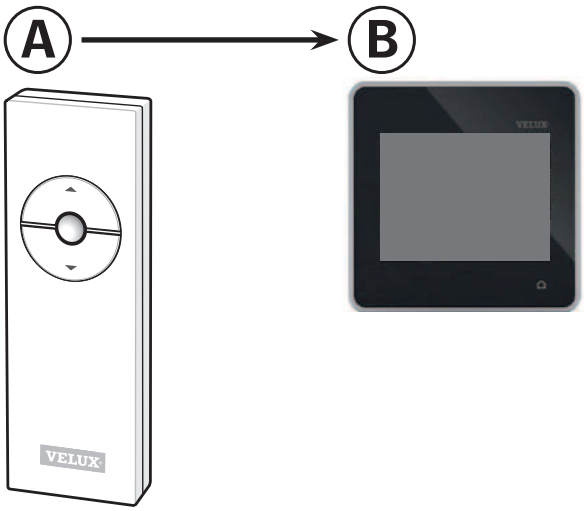
Press ▭ "Back" to finish.

Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with a VELUX INTEGRA® remote control without display

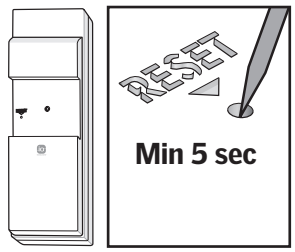
The instructions below show how to copy the contents from the remote control without display already in use to the control pad KLR 200. See also the instructions for the remote control.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute item 1 with control Ⓐ, which is to **send** a copy.

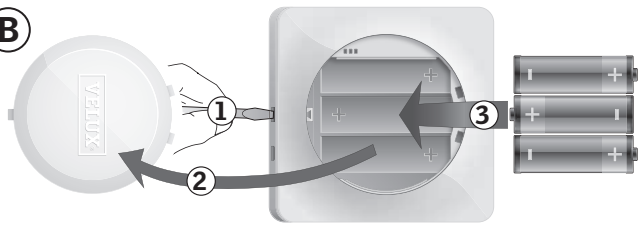
1
Ⓐ



Press the RESET button on the back with a pointed object for at least 5 seconds to prepare the products for copying.

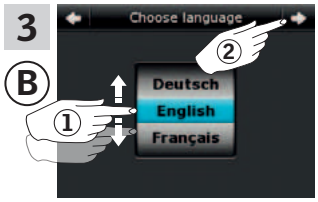
You now have two minutes to execute items 2-7 with control Ⓑ, which is to **receive** a copy.

2
Ⓑ



Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

3
Ⓑ

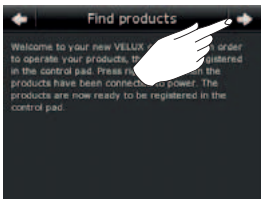


Choose language (1).
Tap ⇨ (2).

Continue on the next page

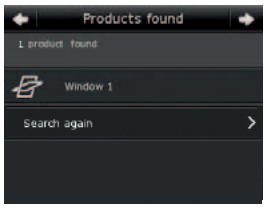
Setting up
Extension of your VELUX system - Adding a control

4 **B**



Follow the instructions in the display and tap ⇨ when you are ready.

5 **B**



The control pad shows that it has found the products.
Note: Tap "Search again" if the control pad did **not** find **all** products and follow the instructions in the display. Go to the section *If the initial set-up fails* if the control pad still cannot find all products even if they are connected to power.

---

6 **B**



Tap "OK".

7 **B**



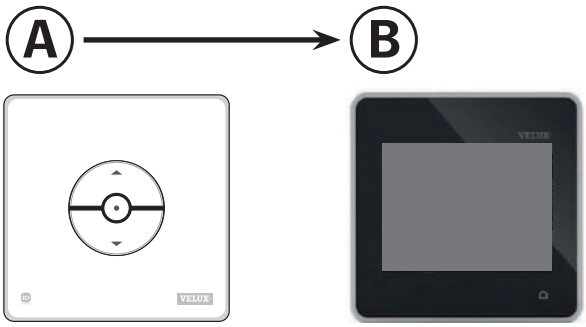
Tap ⌂ to finish.

Setting up
Extension of your VELUX system - Adding a control

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with a control switch KLI 110

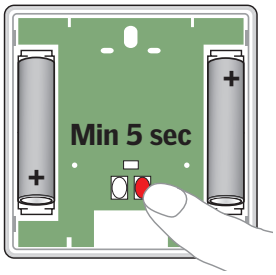
The instructions below show how to copy the contents from the control switch already in use to the control pad KLR 200. See also the instructions for the control switch.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute item 1 with control Ⓐ, which is to **send** a copy.

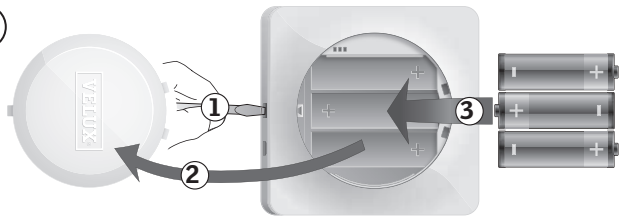
1
Ⓐ



Press the RESET button on the back for at least 5 seconds to prepare the products for copying.

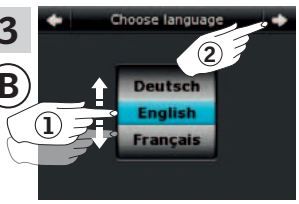
You now have two minutes to execute items 2-7 with control Ⓑ, which is to **receive** a copy.

2
Ⓑ



Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

3
Ⓑ

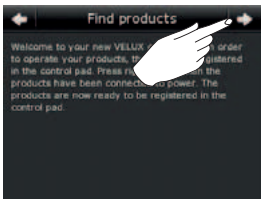


Choose language (1).
Tap ⇨ (2).

Continue on the next page

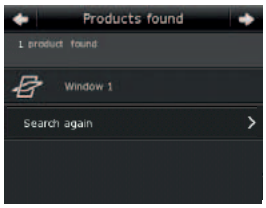
Setting up
Extension of your VELUX system - Adding a control

4 **B**



Follow the instructions in the display and tap ⇨ when you are ready.

5 **B**



The control pad shows that it has found the products.
Note: Tap "Search again" if the control pad did **not** find **all** products and follow the instructions in the display. Go to the section *If the initial set-up fails* if the control pad still cannot find all products even if they are connected to power.

---

6 **B**



Tap "OK".

7 **B**



Tap ⌂ to finish.

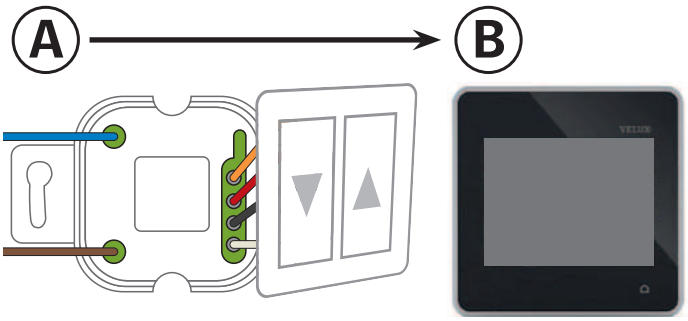
Setting up
Extension of your VELUX system - Adding a control

3

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with an interface KLF 050 fitted into a wall switch/socket of another make

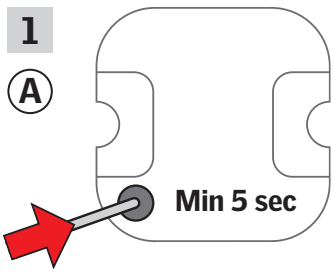
The instructions below show how to copy the contents from the interface already in use to the control pad KLR 200. See also the instructions for the interface.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute item 1 with control Ⓐ, which is to **send** a copy.

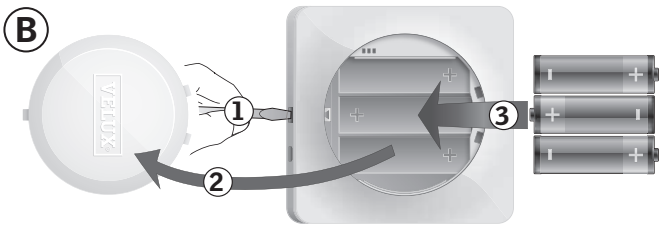
1
Ⓐ



Press the RESET button on the back with a pointed object for at least 5 seconds to prepare the products for copying.

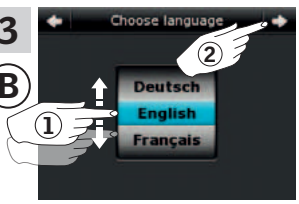
You now have two minutes to execute items 2-7 with control Ⓑ, which is to **receive** a copy.

2
Ⓑ



Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

3
Ⓑ

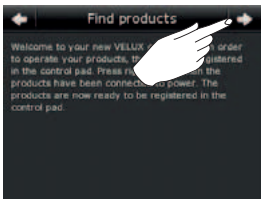


Choose language (1).
Tap ⇨ (2).

Continue on the next page

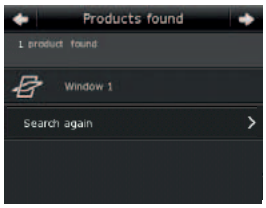
Setting up
Extension of your VELUX system - Adding a control

4 **B**



Follow the instructions in the display and tap ⇨ when you are ready.

5 **B**



The control pad shows that it has found the products.
Note: Tap "Search again" if the control pad did **not** find **all** products and follow the instructions in the display. Go to the section *If the initial set-up fails* if the control pad still cannot find all products even if they are connected to power.

---

6 **B**



Tap "OK".

7 **B**



Tap ⌂ to finish.

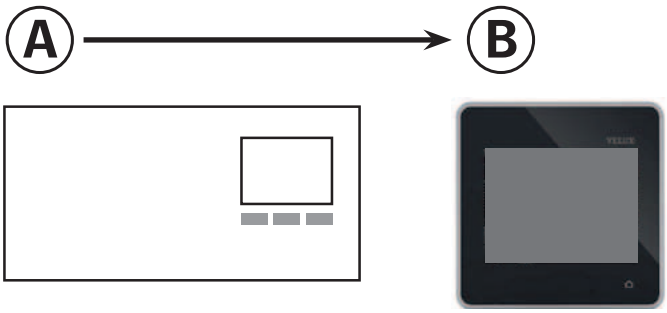
Setting up
Extension of your VELUX system - Adding a control

3

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with an interface KLF 100

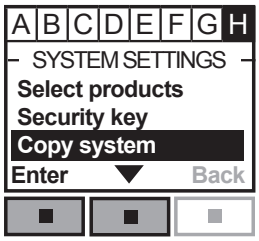
The instructions below show how to copy the contents from the interface already in use to the control pad KLR 200. See also the instructions for the interface.

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute item 1 with control Ⓐ, which is to **send** a copy.

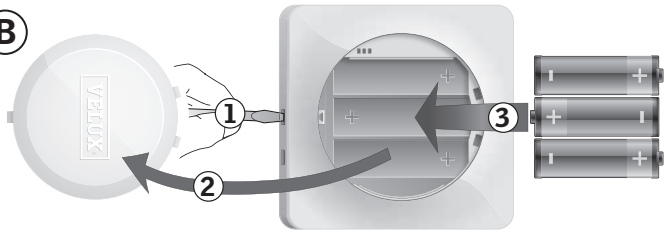
1
Ⓐ



Follow the instructions for the interface until the section where menu item H is highlighted.
Press ▼ highlight "Copy system".
Press "Enter" to confirm your choice.

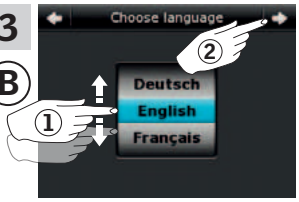
You now have two minutes to execute items 2-7 with control Ⓑ, which is to **receive** a copy.

2
Ⓑ



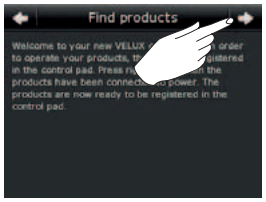
Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

3
Ⓑ



Choose language (1).
Tap ⇨ (2).

4
Ⓑ



Follow the instructions in the display and tap ⇨ when you are ready.

Continue on the next page

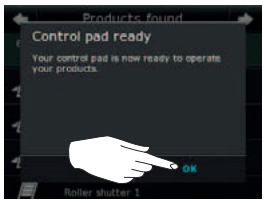
Setting up
Extension of your VELUX system - Adding a control

5 **B**



Tap "Receive copy".

6 **B**



Tap "OK".

---

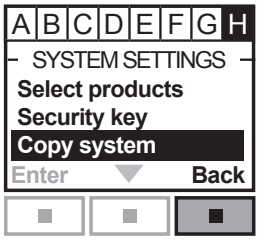
7 **B**



Tap ⌂ to finish.

---

8 **A**



Press ▭ "Back" to finish.

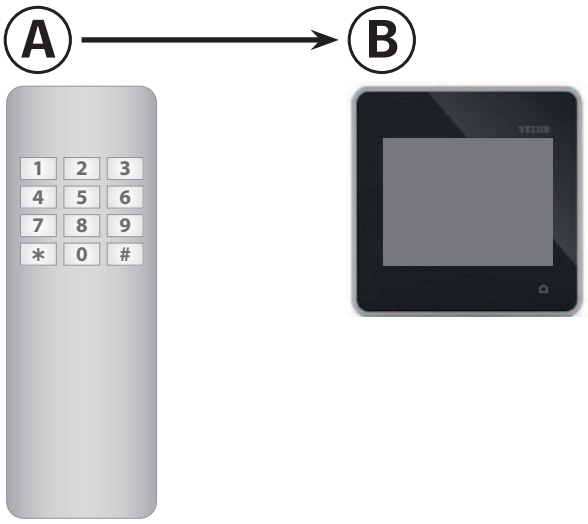
Setting up
Extension of your VELUX system - Adding a control

3

Adding a VELUX INTEGRA® control pad KLR 200 to your system already operated with another type of io-homecontrol® control

The instructions below show how to copy the contents from the control already in use to the control pad KLR 200. See also the instructions for the control or the section *Joint operation of io-homecontrol® products (generic configuration).*

The control to **send** a copy is called Ⓐ.
The control to **receive** a copy is called Ⓑ.



First execute item 1 with control Ⓐ, which is to **send** a copy.

1

Ⓐ



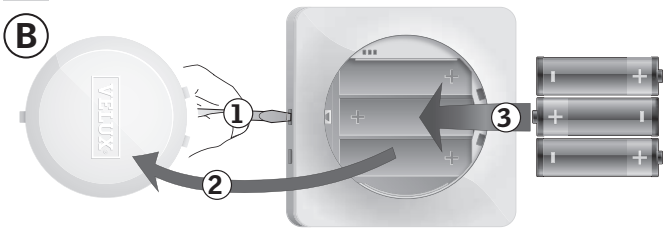
See instructions for control Ⓐ. If you have two-way controls, you may also refer to section *Joint operation of io-homecontrol® products (generic configuration).*

Continue on the next page

Opsætning
Udvidelse af dit VELUX system - Tilføj betjeningsenhed

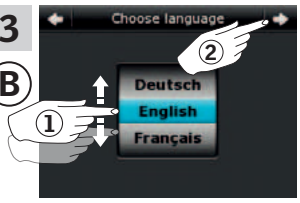
You now have two minutes to execute items 2-7 with control Ⓑ, which is to **receive** a copy.

2
Ⓑ



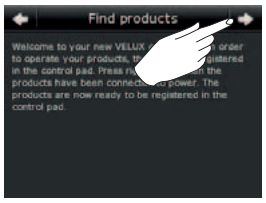
Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Insert batteries (type AA/LR6) (3).

3
Ⓑ



Choose language (1).
Tap ⇨ (2).

4
Ⓑ



Follow the instructions in the display and tap ⇨ when you are ready.

5
Ⓑ



Tap "Receive copy".

6
Ⓑ



Tap "OK".

7
Ⓑ



Tap ⌂ to finish.

Setting up
Extension of your VELUX system - Adding a control

3

Making controls already in use operate each other's products

If you have two (or more) controls that are already in use and able to operate their separate products, you can set these to operate each other's products. To do this, you must register all products already registered in each separate control in both controls.

To find the control with which VELUX INTEGRA® control pad KLR 200 is to be merged, please see the page references below.



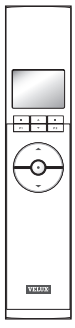
VELUX INTEGRA®
control pad KLR 200
(3LR A02)
Pages 69-70



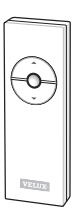
VELUX INTEGRA®
remote control KLR 100
(3LR A01)
Pages 71-72



VELUX INTEGRA®
controller KRX 100
(3LF D02)
Pages 73-74



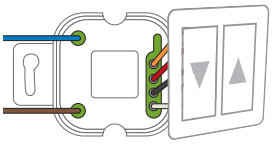
VELUX INTEGRA®
remote control without display
(3UR B01)
Pages 75



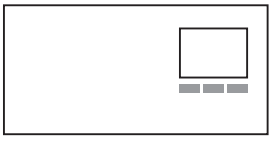
VELUX INTEGRA®
control switch KLI 110
(3LI D01)
Page 76



VELUX INTEGRA®
interface KLF 050
fitted into a wall switch/
socket of another make
(3LF D50)
Page 77



VELUX INTEGRA®
interface KLF 100
(3LF D01)
Pages 78-79



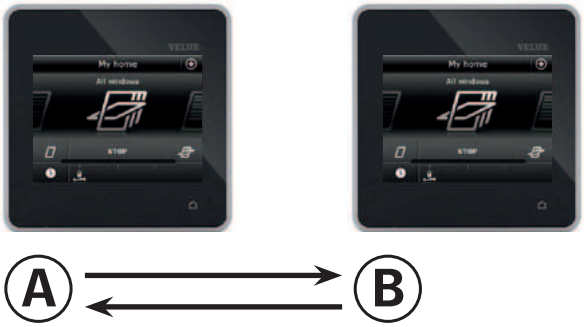
Other types of io-homecontrol®
controls
Pages 80-82



Setting up
Extension of your VELUX system - Adding a control

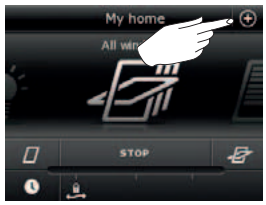
Making two or more VELUX INTEGRA® control pads KLR 200 operate each other's products

The instructions below show how to make a control pad KLR 200 also operate the products registered in another control pad KLR 200. They are called control Ⓐ and control Ⓑ respectively.



First execute items 1-4 with control Ⓐ.

1 Ⓐ



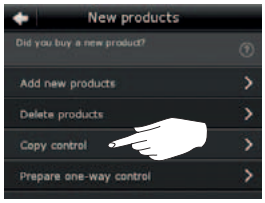
Tap ⊕.

2 Ⓐ



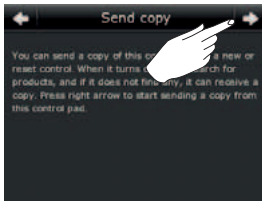
Tap "New product".

3 Ⓐ



Tap "Copy control pad".

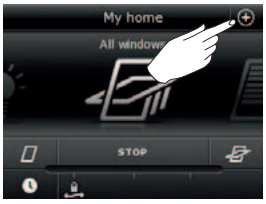
4 Ⓐ



Tap ⇨.

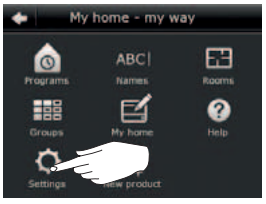
You now have two minutes to execute items 5-9 with control Ⓑ.

5 Ⓑ



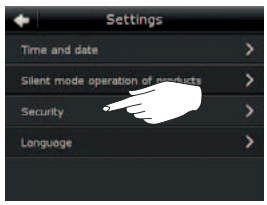
Tap ⊕.

6 Ⓑ



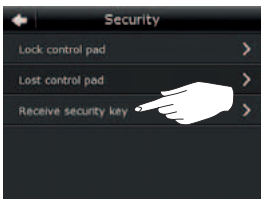
Tap "Settings".

7 Ⓑ



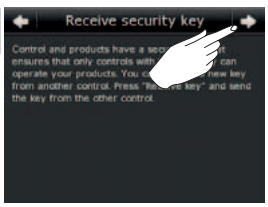
Tap "Security".

8 Ⓑ



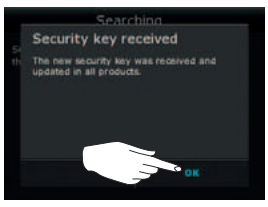
Tap "Receive security key".

9 Ⓑ



Tap ⇨.

10 Ⓑ



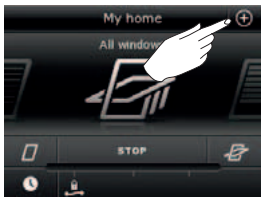
The security key is now identical in both control pads.

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

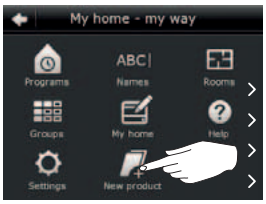
Now execute items 11-15 with control Ⓐ.

11 Ⓐ



Tap ⊕.

12 Ⓐ



Tap "New product".

13 Ⓐ



Tap "Add new products".

14 Ⓐ



Tap ⇨.

15 Ⓐ



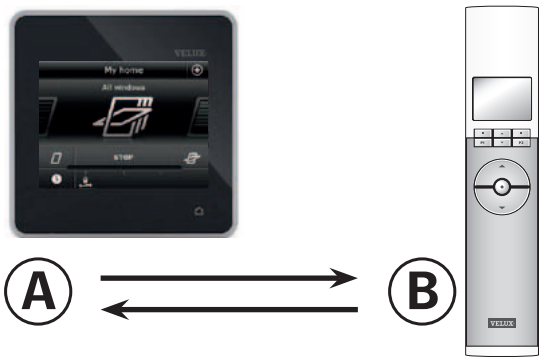
Tap ⇨ when the control pad has found the products (1).
You can now operate the new products.
Tap ⌂ on both control pads to finish (2).

To be able to operate all products with control Ⓑ as well, you must also execute items 11-15 with control Ⓑ.

Setting up
Extension of your VELUX system - Adding a control

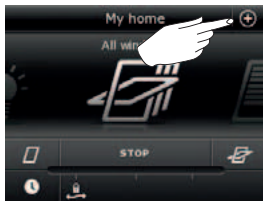
Making a VELUX INTEGRA® control pad KLR 200 and a remote control KLR 100 operate each other's products

The instructions below show how to make a control pad KLR 200 also operate the products registered in a remote control. They are called control Ⓐ and control Ⓑ respectively.



First execute items 1-4 with control Ⓐ.

1 Ⓐ



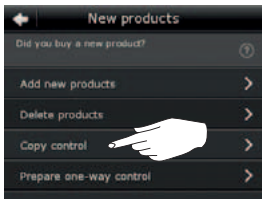
Tap ⊕.

2 Ⓐ



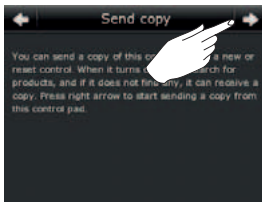
Tap "New product".

3 Ⓐ



Tap "Copy control pad".

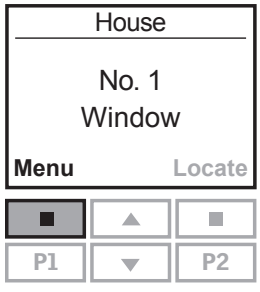
4 Ⓐ



Tap ⇨.

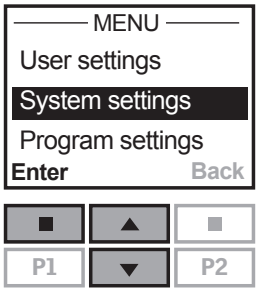
You now have two minutes to execute items 5-8 with control Ⓑ.

5 Ⓑ



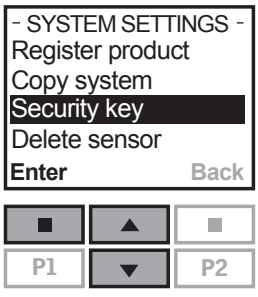
Press ▭ "Menu".

6 Ⓑ



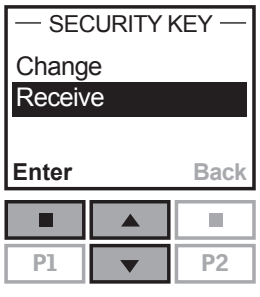
Press ▲▼ to highlight "System settings".
Press ▭ "Enter" to confirm your choice.

7 Ⓑ



Press ▲▼ to highlight "Security key".
Press ▭ "Enter" to confirm your choice.

8 Ⓑ



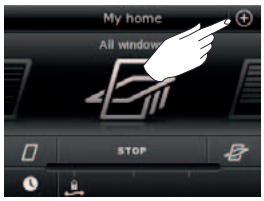
Press ▲▼ to highlight "Receive".
Press ▭ "Enter" to confirm your choice.
The display now indicates that the security key is being transferred.

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

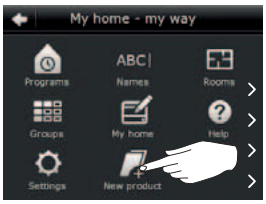
Now execute items 9-13 with control Ⓐ.

9 Ⓐ



Tap ⊕.

10 Ⓐ



Tap "New product".

11 Ⓐ



Tap "Add new products".

12 Ⓐ



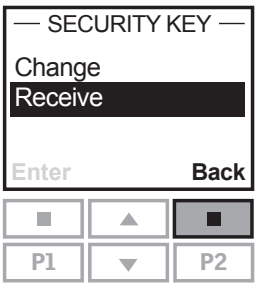
Tap ⇨.

13 Ⓐ



Tap ⇨ when the control pad has found the products (1).
You can now operate the new products.
Tap ⌂ to finish (2).

14 Ⓑ



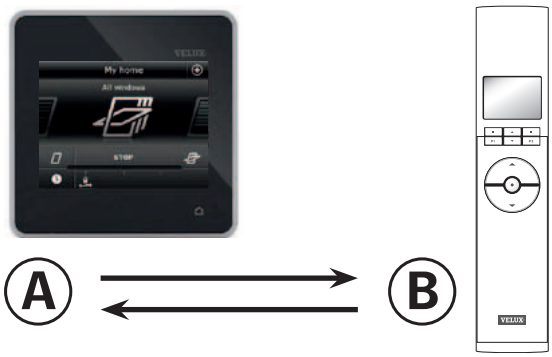
Press ▭ "Back" to finish.

To be able to also operate all products with control Ⓑ, you must follow the section *Using additional activation controls* in the directions for use for remote control KLR 100.

Setting up
Extension of your VELUX system - Adding a control

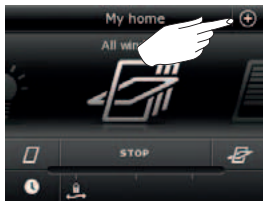
Making a VELUX INTEGRA® control pad KLR 200 and a controller KRX 100 operate each other's products

The instructions below show how to make a control pad KLR 200 also operate the products registered in a controller. They are called control Ⓐ and control Ⓑ respectively.



First execute items 1-4 with control Ⓐ.

1 Ⓐ



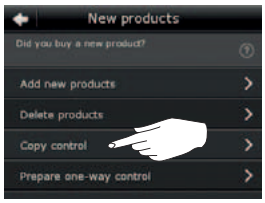
Tap ⊕.

2 Ⓐ



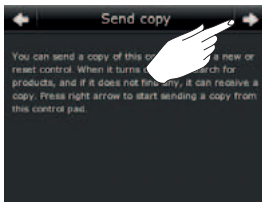
Tap "New product".

3 Ⓐ



Tap "Copy control pad".

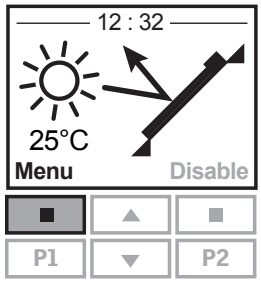
4 Ⓐ



Tap ⇨.

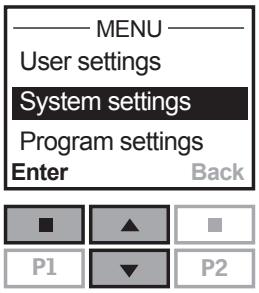
You now have two minutes to execute items 5-8 with control Ⓑ.

5 Ⓑ



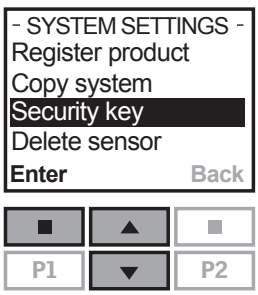
Press ▭ "Menu".

6 Ⓑ



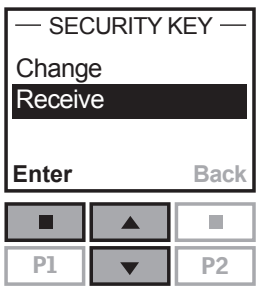
Press ▭ to highlight "System settings".
Press ▭ "Enter" to confirm your choice.

7 Ⓑ



Press ▭ to highlight "Security key".
Press ▭ "Enter" to confirm your choice.

8 Ⓑ



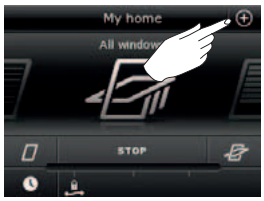
Press ▭ to highlight "Receive".
Press ▭ "Enter" to confirm your choice.
The display now indicates that the security key is being transferred.

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

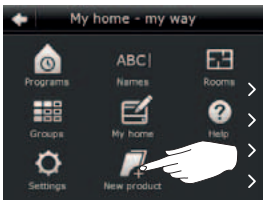
Now execute items 9-13 with control Ⓐ.

9 Ⓐ



Tap ⊕.

10 Ⓐ



Tap "New product".

11 Ⓐ



Tap "Add new products".

12 Ⓐ



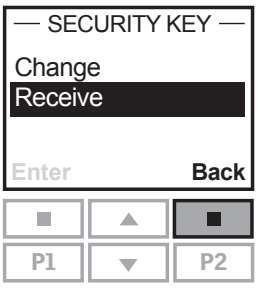
Tap ⇨.

13 Ⓐ



Tap ⇨ when the control pad has found the products (1).
You can now operate the new products.
Tap ⌂ to finish (2).

14 Ⓑ



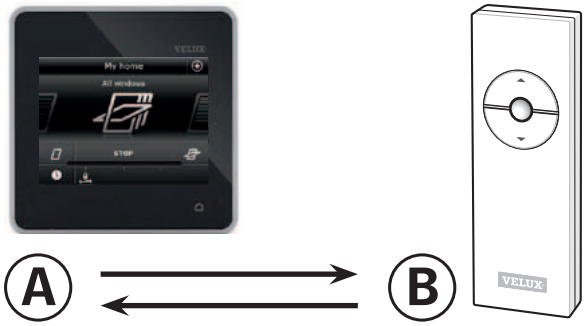
Tap ▭ "Back" to finish.

To be able to also operate all products with control Ⓑ, you must follow the section *Using additional activation controls* in the directions for use for remote control KLR 100.

Setting up
Extension of your VELUX system - Adding a control

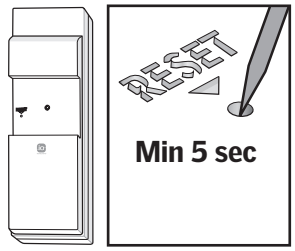
Making a VELUX INTEGRA® control pad KLR 200 and a VELUX INTEGRA® remote control without display operate each other's products

The instructions below show how to make a control pad KLR 200 also operate the products registered in a remote control without display. They are called control Ⓐ and control Ⓑ respectively.



First execute item 1 with control Ⓑ.

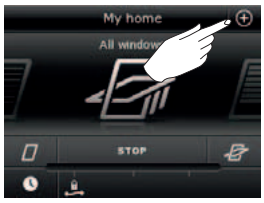
1
Ⓑ



Press the RESET button on the back with a pointed object for at least 5 seconds to prepare the products for registration.

You now have 10 minutes to execute items 2-6 with control Ⓐ.

2
Ⓐ



Tap ⊕.

3
Ⓐ



Tap "New product".

4
Ⓐ



Tap "Add new products".

5
Ⓐ



Tap ⇨.

6
Ⓐ



Tap ⇨ when the control pad has found the products. You can now operate the new products.
Tap ⌂ to finish (2).

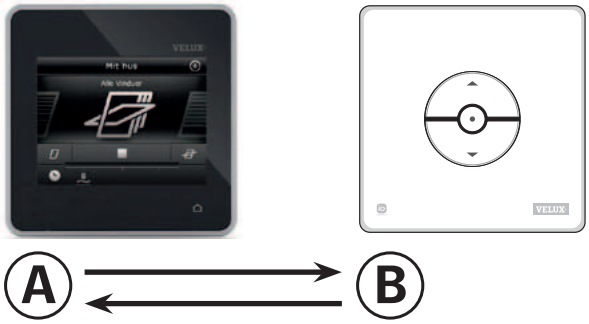
To be able to also operate selected products with control Ⓑ, you must follow the section *Additional activation controls* in the instructions for control system KUX 100.

Setting up
Extension of your VELUX system - Adding a control

3

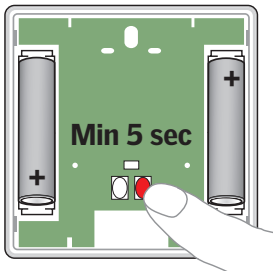
Making a VELUX INTEGRA® control pad KLR 200 and a control switch KLI 110 operate each other's products

The instructions below show how to make a control pad KLR 200 also operate the products registered in a control switch. They are called control Ⓐ and control Ⓑ respectively.



First execute item 1 with control Ⓑ.

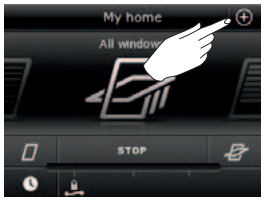
1 Ⓑ



Press the RESET button on the back for at least 5 seconds to prepare the products for registration.

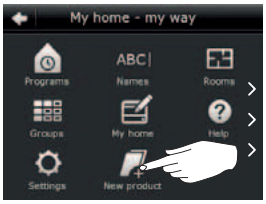
You now have 10 minutes to execute items 2-6 with control Ⓐ.

2 Ⓐ



Tap ⊕.

3 Ⓐ



Tap "New product".

---

4 Ⓐ



Tap "Add new products".

5 Ⓐ



Tap ⇨.

---

6 Ⓐ



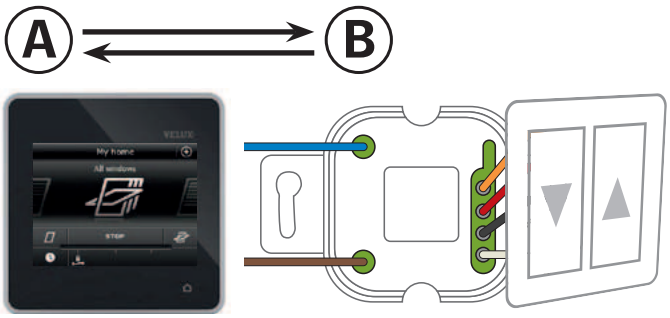
Tap ⇨ when the control pad has found the products (1).
You can now operate the new products.
Tap ⌂ to finish (2).

To be able to also operate selected products with control Ⓑ, you must follow the section *More than one activation control* in the instructions for control switch KLI 110.

Setting up
Extension of your VELUX system - Adding a control

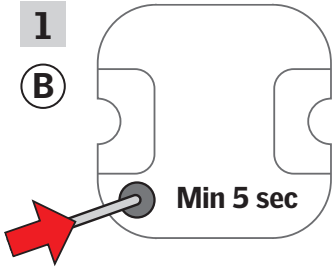
Making a VELUX INTEGRA® control pad KLR 200 and an interface KLF 050 fitted into a wall switch/socket of another make operate each other's products

The instructions below show how to make a control pad KLR 200 also operate the products registered in an interface. They are called control Ⓐ and control Ⓑ, respectively.



First execute item 1 with control Ⓑ.

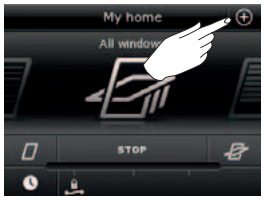
1
Ⓑ



Press the RESET button on the back with a pointed object for at least 5 seconds to prepare the products for registration.

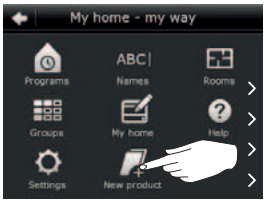
You now have 10 minutes to execute items 2-6 with control Ⓐ.

2
Ⓐ



Tap ⊕.

3
Ⓐ



Tap "New product".

4
Ⓐ



Tap "Add new products".

5
Ⓐ



Tap ⇨.

6
Ⓐ



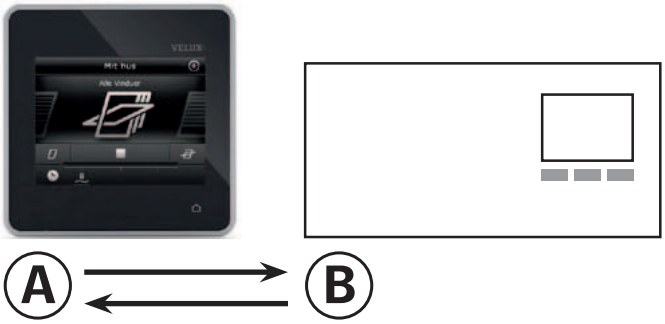
Tap ⇨ when the control pad has found the products (1).
You can now operate the new products.
Tap ⌂ to finish (2).

To be able to also operate selected products with control Ⓑ, you must follow the section *Putting into operation* in the instructions for interface KLF 050.

Setting up
Extension of your VELUX system - Adding a control

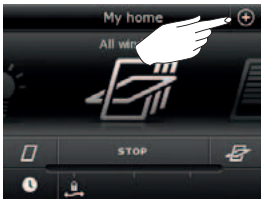
Making a VELUX INTEGRA® control pad KLR 200 and an interface KLF 100 operate each other's products

The instructions below show how to make a control pad KLR 200 also operate the products registered in an interface. They are called control Ⓐ and control Ⓑ respectively.



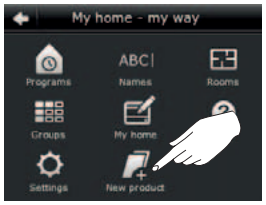
First execute items 1-4 with control Ⓐ.

1 Ⓐ



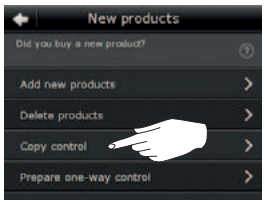
Tap ⊕.

2 Ⓐ



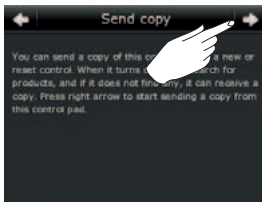
Tap "New product".

3 Ⓐ



Tap "Copy control pad".

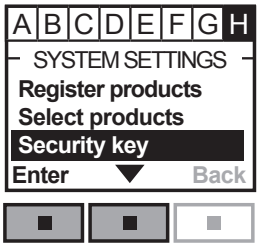
4 Ⓐ



Tap ⇨.

You now have two minutes to execute items 5-6 with control Ⓑ.

5 Ⓑ

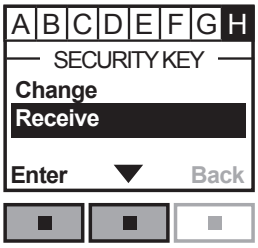


Follow the instructions for the interface until the section where menu item **H** is highlighted.

Press ▭ ▼ to highlight "Security key".

Press ▭ "Enter" to confirm your choice.

6 Ⓑ



Press ▭ ▼ to highlight "Receive".

Press ▭ "Enter" to confirm your choice.

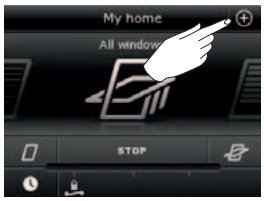
The display now indicates that the security key is being transferred.

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

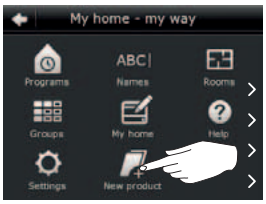
Now execute items 7-11 with control Ⓐ.

7 Ⓐ



Tap ⊕.

8 Ⓐ



Tap "New product".

9 Ⓐ



Tap "Add new products".

10 Ⓐ



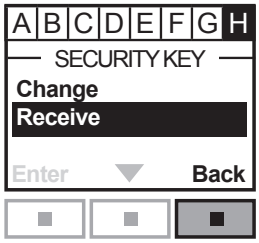
Tap ⇨.

11 Ⓐ



Tap ⇨ when the control pad has found the products (1).
You can now operate the new products.
Tap ⌂ to finish (2).

12 Ⓑ



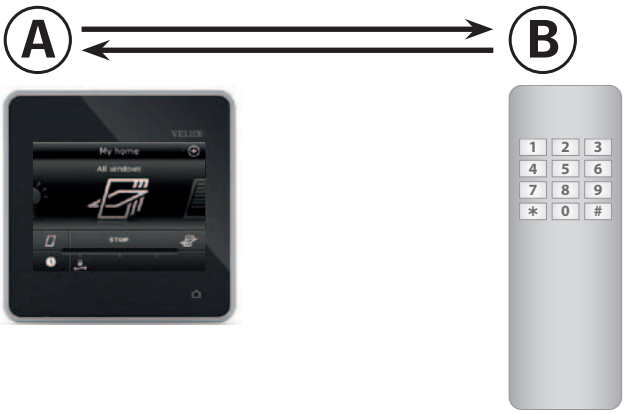
Press ▭ "Back" to finish.

To be able to also operate all products with control Ⓑ, you must follow the section *System settings* in the directions for use for interface KLF 100.

Setting up
Extension of your VELUX system - Adding a control

Making a VELUX INTEGRA® control pad KLR 200 and another type of io-homecontrol® control operate each other's products

The instructions below show how to make a control pad KLR 200 also operate the products registered in another type of io-homecontrol® control. They are called control Ⓐ and control Ⓑ respectively.



The instructions are divided into two sections:

Instructions for one-way controls
marked with this symbol on the products

Instructions for two-way controls
marked with this symbol on the products

One-way controls

First execute item 1 with control Ⓑ.

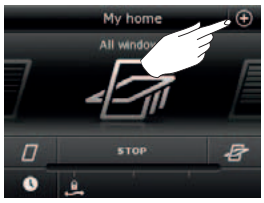
1 Ⓑ



See instructions for control Ⓑ.

You now have 10 minutes to execute items 2-6 with control Ⓐ.

2 Ⓐ



Tap ⊕.

3 Ⓐ



Tap "New product".

4 Ⓐ



Tap "Add new products".

5 Ⓐ



Tap ⇨.

6 Ⓐ



Tap ⇨ when the control pad has found the products (1).
You can now operate the new products.
Tap ⌂ to finish (2).

To be able to also operate selected products with control Ⓑ, you must follow items 1-8 in the section *Adding other types of io-homecontrol® controls to your system already operated with a VELUX INTEGRA® control pad KLR 200*.

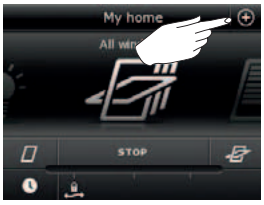
Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

Two-way controls

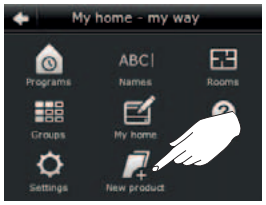
First execute items 1-4 with control Ⓐ.

1 Ⓐ



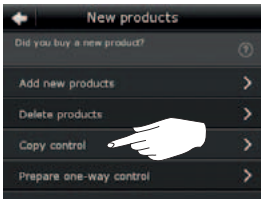
Tap ⊕.

2 Ⓐ



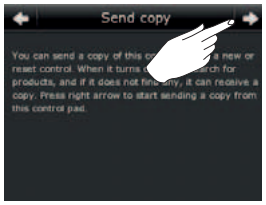
Tap "New product".

3 Ⓐ



Tap "Copy control pad".

4 Ⓐ



Tap ⇨.

You now have two minutes to execute item 5 with control Ⓑ.

5 Ⓑ



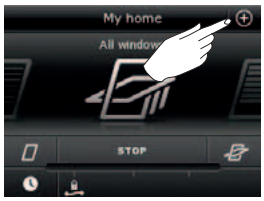
See instructions for control Ⓑ.
You may also refer to the section *Joint operation of io-homecontrol® products (generic configuration).*

Continue on the next page

Setting up
Extension of your VELUX system - Adding a control

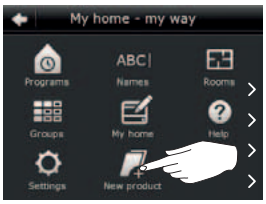
Now execute items 6-10 with control Ⓐ.

6 **Ⓐ**



Tap ⊕.

7 **Ⓐ**



Tap "New product".

8 **Ⓐ**



Tap "Add new products".

9 **Ⓐ**



Tap ⇨.

10 **Ⓐ**



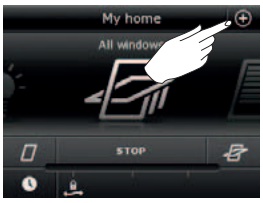
Tap ⇨ when the control pad has found the products (1).
You can now operate the new products.
Tap ⌂ to finish (2).

To be able to also operate all products with control Ⓑ, you must follow the instructions for control Ⓑ.

Deleting products in the control pad

You can delete products from the control pad if you do not want to be able to operate them with the control pad anymore.

1



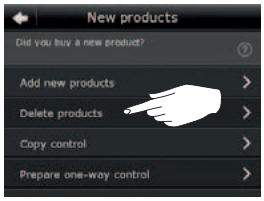
Tap ⊕.

2



Tap "New product".

3



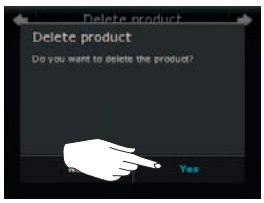
Tap "Delete products".

4



Tap the product to be deleted, in this case "Roller shutter 1" (1).
Note: The individual products can be identified by tapping "Find product". See also section *Find products*.
Tap ⇨ (2).

5



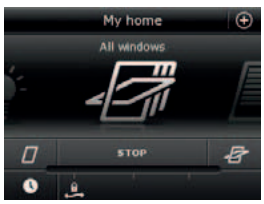
Tap "Yes".

6



Tap ⌂ to finish.

7



You cannot find the product "Roller shutter 1" in the product navigator anymore.

Setting up
Extension of your VELUX system - Joint operation of io-homecontrol® products (generic configuration)

To operate other types of io-homecontrol® products than VELUX products with control pad KLR 200 or operate your VELUX products with another type of io-homecontrol® control than control pad KLR 200, they must have the same security key.

Please refer to the reference pages in this section *Extension of your VELUX system* to see how control pad KLR 200 can be combined with other specifically described types of io-homecontrol® products and systems. Below you can see how to configure io-homecontrol® products in general to include them in joint systems and how to create a new security key.

Under the lid on the back of the control pad KLR 200, a **key button** can be activated by pressing it with a pointed object. Depending on whether you want to **receive**, **send** or **create** a new security key, you must press this key button for a certain period of time.

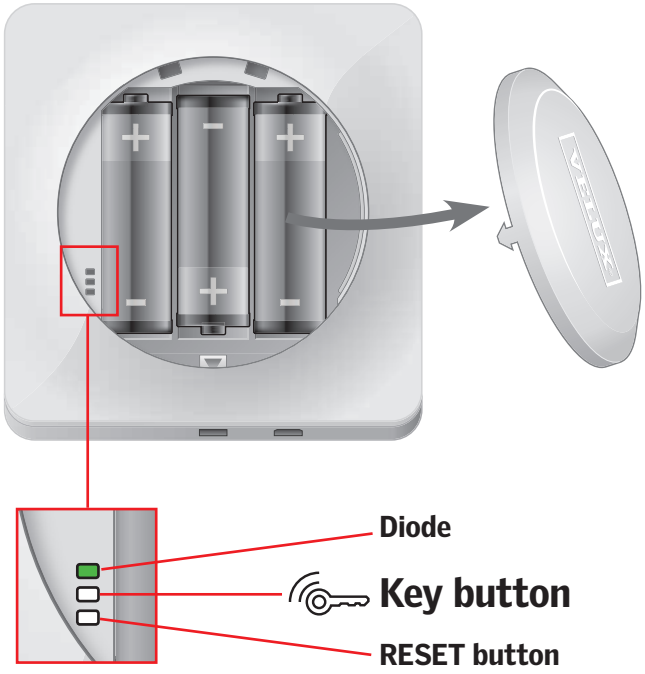
Receive the security key of another control:
Press the key button briefly (max 2 seconds) until the diode starts flashing slowly .

Send the security key to another control:
Press the key button a little longer (2-7 seconds) until the diode starts flashing a little faster .

Create a new security key:
Press the key button for a long time (7-15 seconds) until the diode starts flashing very fast .

IMPORTANT: If the diode flashes fast and you do **not** want to create a new security key, press and hold the key button until the diode goes out.

The instructions on the following pages show how to exchange the security key depending on which of the three situations is relevant. When these other not specifically described types of io-homecontrol® controls are involved, you must also follow the instructions for these.



Continue on the next page

Sending the security key to another io-homecontrol® control

VELUX INTEGRA® control pad KLR 200

Tap ⌂ to ensure that the control pad display is on.

Press the key button for 2-7 seconds until the diode starts flashing a little faster .

Note: The mode can be interrupted by pressing the key button once more.

io-homecontrol® control Ⓐ

Press the key button briefly (max 2 seconds) until the diode starts flashing slowly .

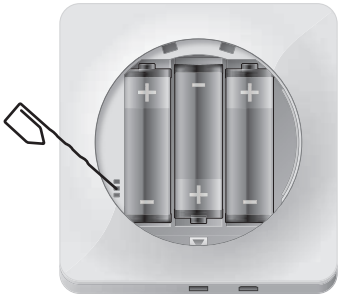
Note: The mode can be interrupted by pressing the key button once more.

If the diode on your control pad KLR 200 now stays green for about 2 seconds and then goes out, the transmission has succeeded.

If the diode on your control pad KLR 200 flashes red quickly three consecutive times and then goes out, the transmission has failed. In this case, you must repeat the process with both controls.

When the security key has been sent, you have to add the products from control pad KLR 200 to control Ⓐ. Please refer to the instructions for control Ⓐ.







Continue on the next page

Setting up
Extension of your VELUX system - Joint operation of io-homecontrol® products (generic configuration)

Receiving the security key of another io-homecontrol® control

io-homecontrol® control Ⓐ

Press the key button for 2-7 seconds until the diode starts flashing a little faster .

Note: The mode can be interrupted by pressing the key button once more.



VELUX INTEGRA® control pad KLR 200

Tap ⌂ to ensure that the control pad display is on.

Press the key button briefly (max 2 seconds) until the diode starts flashing .

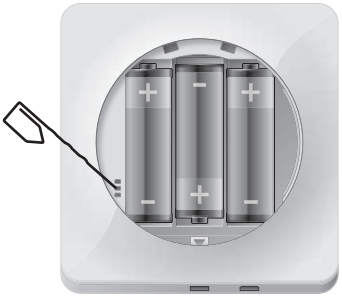
Note: The mode can be interrupted by pressing the key button once more.

If the diode on your control pad KLR 200 now stays green for about 2 seconds and then goes out, the transmission has succeeded.

If the diode on your control pad KLR 200 flashes red quickly three consecutive times and then goes out, the transmission has failed. In this case, you must repeat the process with both controls.

When the security key has been received, you have to add the products from control Ⓐ to control pad KLR 200. Please refer to section *Adding products to the control pad*.





Creating a new security key in VELUX INTEGRA® control pad KLR 200

Tap ⌂ to ensure that the control pad display is on.

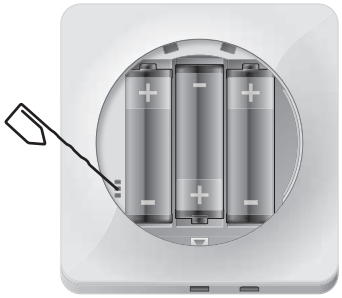
Press the key button for 7-15 seconds until the diode starts flashing very fast .

IMPORTANT: If you do **not** want to create a new security key after all, press and hold the key button until the diode goes out.

If the diode on your control pad now stays green for about 2 seconds and then goes out, the creation has succeeded.

If the diode on your control pad flashes red quickly three consecutive times and then turns off, the creation has failed. There is a risk that some products cannot be operated with this control pad anymore.





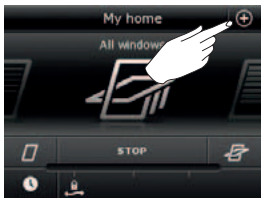
Setting up
Settings

Time and date

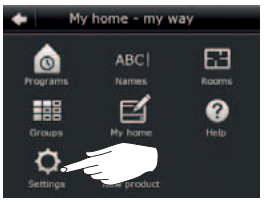
You can set time and date the first time you use the control pad or at any time after.
Note: You cannot use programs until you have set time and date.

Setting time

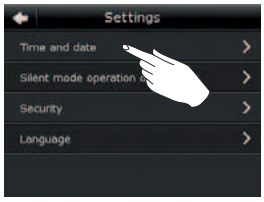
The example shows how to set time.

1 

Tap ⊕.

2 

Tap "Settings".

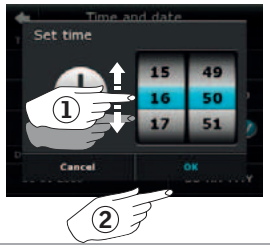
3 

Tap "Time and date".

Set hours and minutes

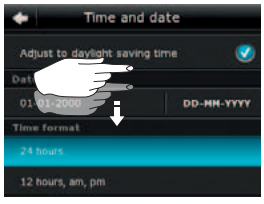
1 

Tap "Set time".

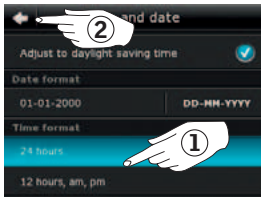
2 

Roll the wheel, ie swipe a finger over the display in the directions of the arrows to choose hours and minutes (1).
Tap "OK" (2).

Switch between 12 hours (am/pm) and 24 hours format

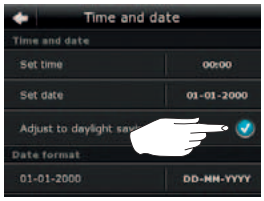
1 

Scroll down the display until "Time format" is shown.

2 

Tap either 12 or 24 hours format (1).
Tap ⇦ (2).

Switch to summer time

1 

Time switches automatically from summer time to standard time and vice versa (Western European summer time). This function can be disabled by tapping ✓.

Continue on the next page

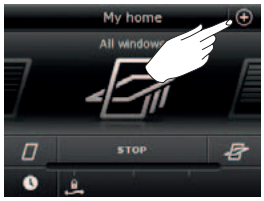
Setting up
Settings

3

Setting date

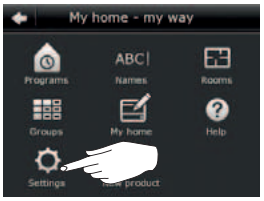
The example shows how to set date.

1



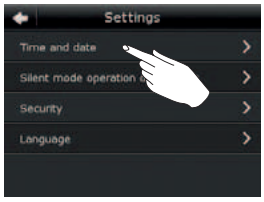
Tap ⊕.

2



Tap "Settings".

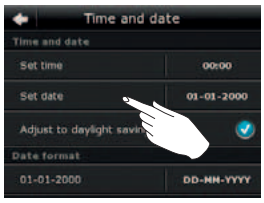
3



Tap "Time and date".

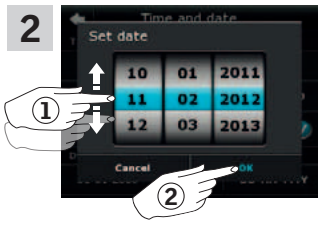
Set date

1



Tap "Set date".

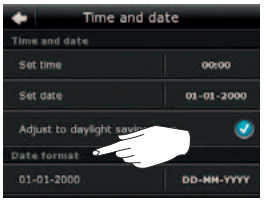
2



Roll the wheel, ie swipe a finger over the display in the directions of the arrows to choose day, month and year (1).
Tap "OK" (2).

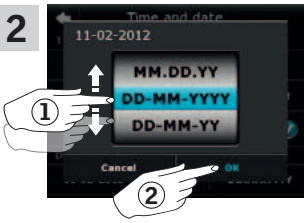
Set date format

1



Scroll down the display and tap "Date format".

2



Roll the wheel, ie swipe a finger over the display in the directions of the arrows to choose date format (1).
Tap "OK" (2).



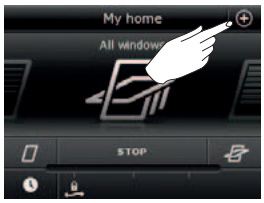
Tap ⇦ or ⌂ when you have finished setting time and/or date.

Language

You must choose a language the first time the control pad is put into operation. The chosen language can be changed at any time.

The example shows how to change language.

1



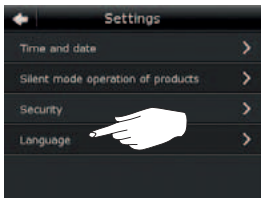
Tap ⊕.

2



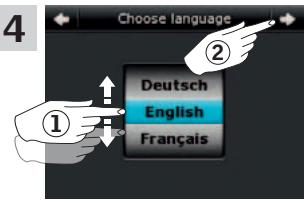
Tap "Settings".

3



Tap "Language".

4



Roll the wheel, ie swipe a finger over the display in the directions of the arrows to choose language (1).
Tap ⇨ (2).

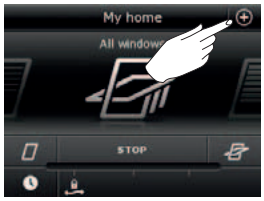
Silent mode operation of products

Some products can be set to silent mode when operated. This may be convenient, for instance if the products are automatically activated by a program at night.

Note: Products set to silent mode operation run slower.

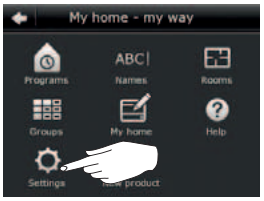
The example shows how to set products to run in silent mode.

1



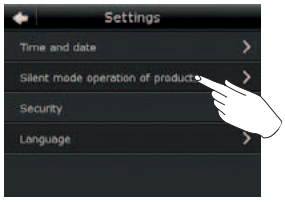
Tap ⊕.

2



Tap "Settings".

3



Tap "Silent mode operation of products".

4



Tick the product(s) to run silently (1).
Tap ⇨ (2).

Setting up
Resetting the control pad

3

The control pad can be reset to its initial factory settings if you want to delete all registered products and personal settings and start afresh.

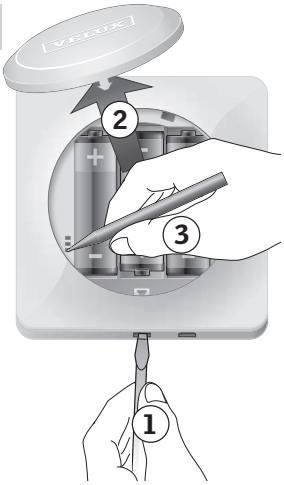
Note: If you have one control pad only, all products must be reset before you can register them in the control pad again, see the section *If the initial set-up fails*. If you have an additional control, you can copy this to the control pad you are resetting instead, see the section *Adding a control*.

1



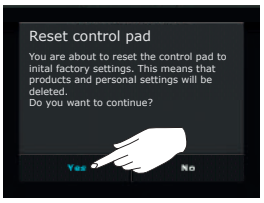
Tap ⌂ to ensure that the control pad display is on.

2



Remove the battery lid by pressing the release button with a screwdriver as illustrated (1), (2).
Press the RESET button on the back of the control pad with a pointed object for at least 5 seconds (3).

3



Tap "Yes" to confirm that you want to reset the control pad.

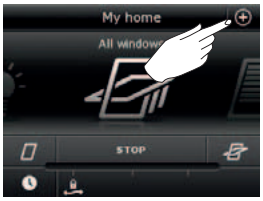
The control pad has now been reset. To be able to use it again the products must be registered again. See the section *Initial set-up*.

Password

To ensure that your settings cannot be changed by anyone except yourself, access to the settings of the control pad can be limited by means of a password.

The example shows how to lock the settings by means of a password.

1



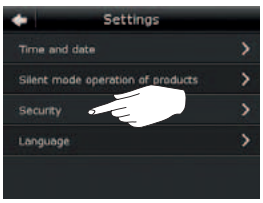
Tap ⊕.

2



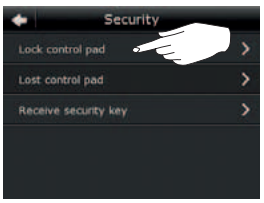
Tap "Settings".

3



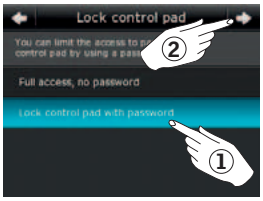
Tap "Security".

4



Tap "Lock settings".

5



Tap "Lock settings with password" (1).
Tap ⇨ (2).

6



Enter the password you have chosen (at least 4 characters) (1).
For use of keyboard, see the section *Keyboard*.
Tap ⇨ (2).

7



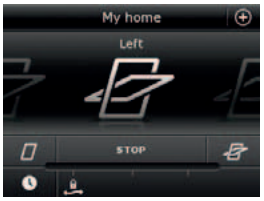
Enter the chosen password once more (1).
Tap ⇨ (2).

8

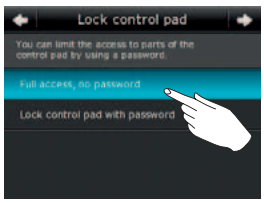


Tap ⌂ to finish.

9



Access to the settings of the control pad has now been limited.



To cancel the password, execute items 1-5 and tap "Full access, no password" in item 5.

Setting up
Security

3

Changing the security key

Controls and products have a security key to ensure that only controls with the authorised security key can operate your products. If you suspect that the security key in your control has been changed without your consent, you can create a new one. If you change the security key, all products in the system must have the new security key.

To find the control that operates the same system as your control pad KLR 200 and needs a change of security key, please see the page references below.



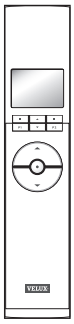
VELUX INTEGRA®
control pad KLR 200
(3LR A02)
Pages 93-94



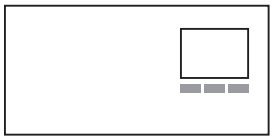
VELUX INTEGRA®
remote control KLR 100
(3LR A01)
Pages 95-96



VELUX INTEGRA®
controller KRX 100
(3LF D02)
Pages 97-98



VELUX INTEGRA®
interface KLF 100
(3LF D01)
Pages 99-100



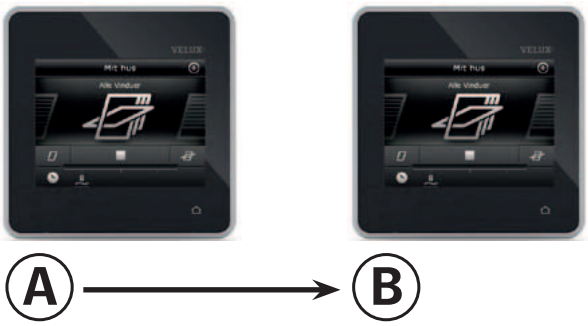
Other types of io-homecontrol® controls
Pages 101-102



Setting up
Security - Changing the security key

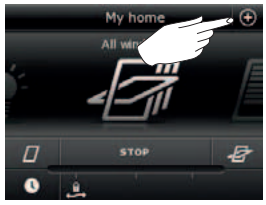
Changing the security key in systems with one or more VELUX INTEGRA® control pads KLR 200

The two control pads KLR 200 are called control Ⓐ and control Ⓑ. respectively. It does not matter which control pad is called Ⓐ or Ⓑ.



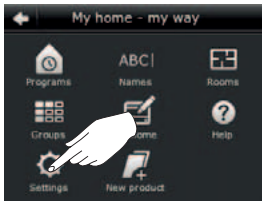
First execute items 1-6 with control Ⓐ.

1 Ⓐ



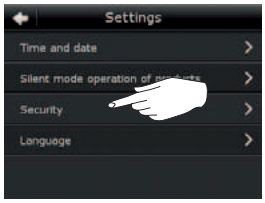
Tap ⊕.

2 Ⓐ



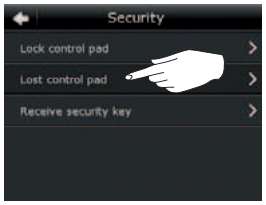
Tap "Settings".

3 Ⓐ



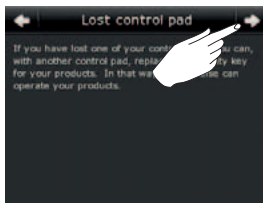
Tap "Security".

4 Ⓐ



Tap "Lost control pad".

5 Ⓐ



Tap ⇨.

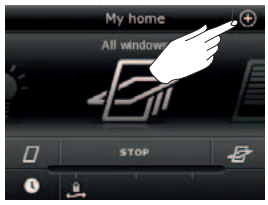
6 Ⓐ



Tap "Send security key".

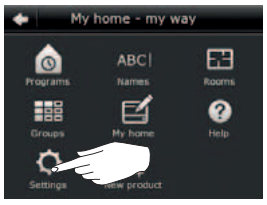
You now have 10 minutes to execute items 7-12 with control Ⓑ.

7 Ⓑ



Tap ⊕.

8 Ⓑ

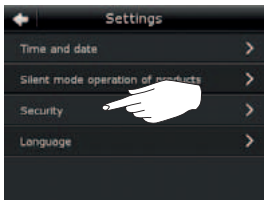


Tap "Settings".

Continue on the next page

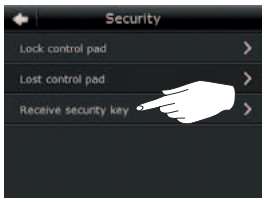
Setting up
Security - Changing the security key

9 Ⓑ



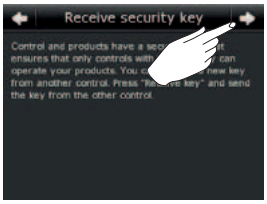
Tap "Security".

10 Ⓑ



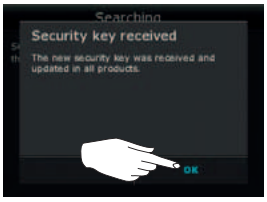
Tap "Receive security key".

11 Ⓑ



Tap ⇨.

12 Ⓑ



Tap "OK".

The security key is now identical in both controls.

If you have additional controls, you must execute item 6 with control Ⓐ and items 7-12 or corresponding items for each additional control Ⓑ, please see the page references in section *Changing security key*.

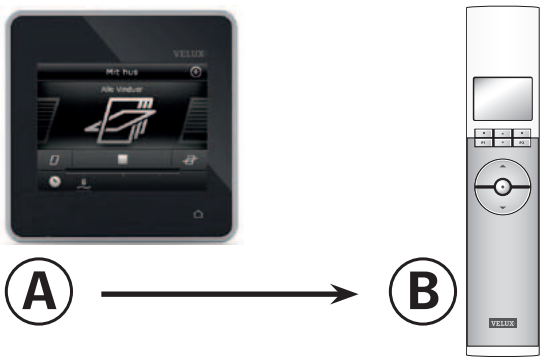


Tap ⌂ or corresponding "Back" key on all controls to finish.

Setting up
Security - Changing the security key

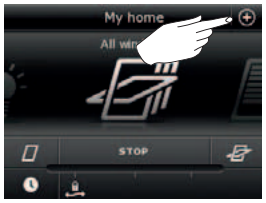
Changing the security key in systems with one or more VELUX INTEGRA® control pads KLR 200 and remote controls KLR 100

Control pad KLR 200 and remote control KLR 100 are called control Ⓐ and control Ⓑ respectively.



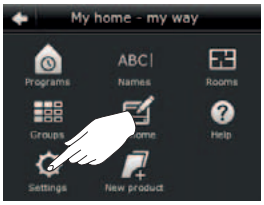
First execute items 1-6 with control Ⓐ.

1 Ⓐ



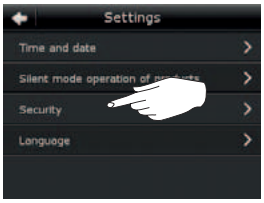
Tap ⊕.

2 Ⓐ



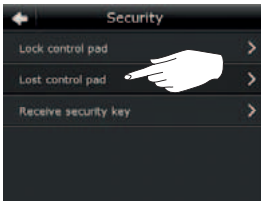
Tap "Settings".

3 Ⓐ



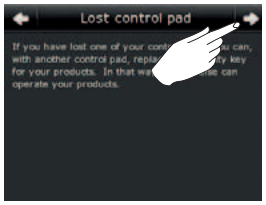
Tap "Security".

4 Ⓐ



Tap "Lost control pad".

5 Ⓐ



Tap ⇨.

6 Ⓐ



Tap "Send security key".

Continue on the next page

Setting up
Security - Changing the security key

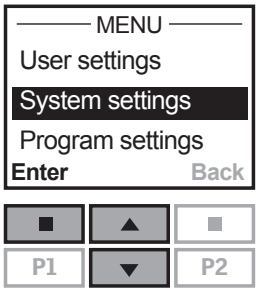
You now have two minutes to execute items 7-10 with control Ⓑ.

7 Ⓑ



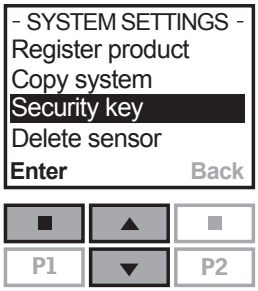
Press ▭ "Menu".

8 Ⓑ



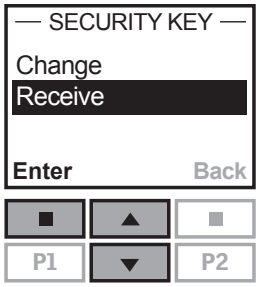
Press ▭ to highlight "System settings".
Press ▭ "Enter" to confirm your choice.

9 Ⓑ



Press ▭ to highlight "Security key".
Press ▭ "Enter" confirm your choice.

10 Ⓑ



Press ▭ to highlight "Receive".
Press ▭ "Enter" to confirm your choice.
The display now indicates that the security key is being transferred.

The security key is now identical in both controls.

If you have additional controls, you must execute item 6 with control Ⓐ and items 7-10 or corresponding items for each additional control Ⓑ, please see the page references in section *Changing security key*.

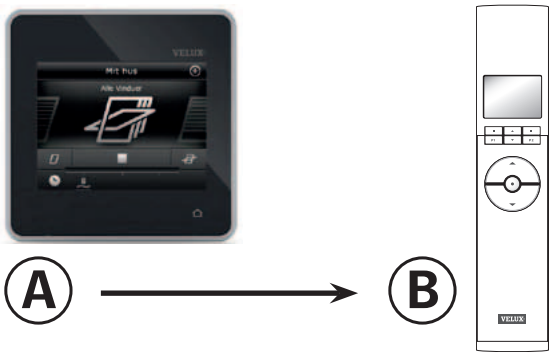


Tap ⌂ or corresponding "Back" key on all controls to finish.

Setting up
Security - Changing the security key

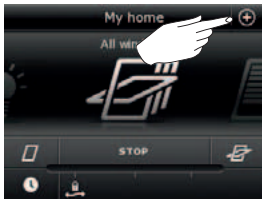
Changing the security key in systems with one or more VELUX INTEGRA® control pads KLR 200 and controllers KRX 100

Control pad KLR 200 and controller KRX 100 are called control Ⓐ and control Ⓑ respectively.



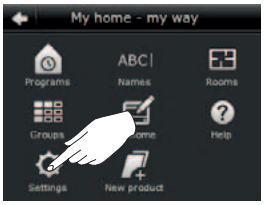
First execute items 1-6 with control Ⓐ.

1 Ⓐ



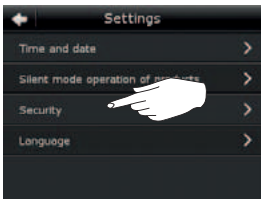
Tap ⊕.

2 Ⓐ



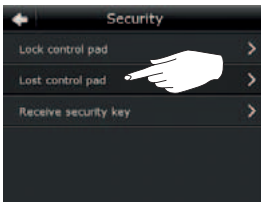
Tap "Settings".

3 Ⓐ



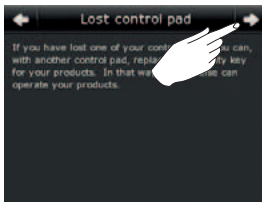
Tap "Security".

4 Ⓐ



Tap "Lost control pad".

5 Ⓐ



Tap ⇨.

6 Ⓐ



Tap "Send security key".

Continue on the next page

Setting up
Security - Changing the security key

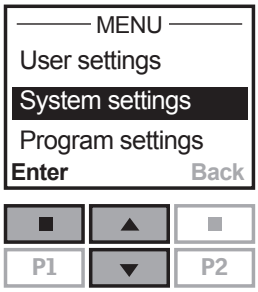
You now have two minutes to execute items 7-10 with control Ⓑ.

7 Ⓑ



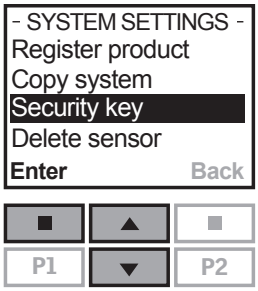
Press ▭ "Menu".

8 Ⓑ



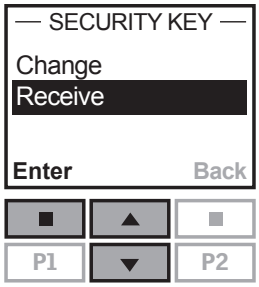
Press ▲▼ to highlight "System settings".
Press ▭ "Enter" to confirm your choice.

9 Ⓑ



Press ▲▼ to highlight "Security key".
Press ▭ "Enter" to confirm your choice.

10 Ⓑ



Press ▲▼ to highlight "Receive".
Press ▭ "Enter" to confirm your choice.
The display now indicates that the security key is being transferred.

The security key is now identical in both controls.

If you have additional controls, you must execute item 6 with control Ⓐ and items 7-10 or corresponding items for each additional control Ⓑ, please see the page references in section *Changing security key*.



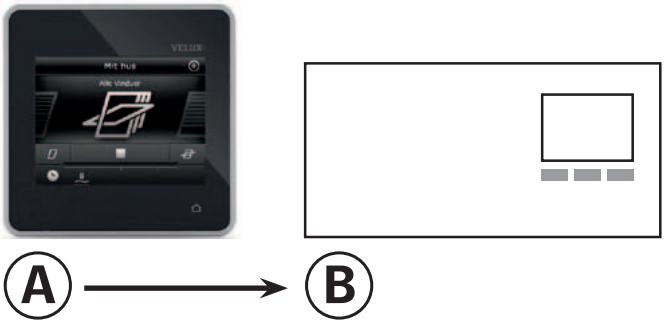
Tap ⌂ or corresponding "Back" key on all controls to finish.

Opsætning
Security - Changing the security key

3

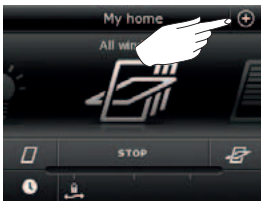
Changing the security key in systems with one or more VELUX INTEGRA® control pads KLR 200 and interfaces KLF 100

Control pad KLR 200 and interface KLF 100 are called control Ⓐ and control Ⓑ respectively.



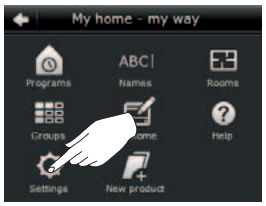
First execute items 1-6 with control Ⓐ.

1 Ⓐ



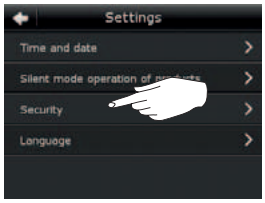
Tap ⊕.

2 Ⓐ



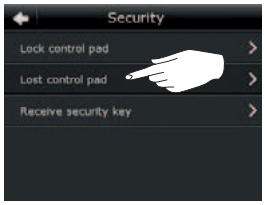
Tap "Settings".

3 Ⓐ



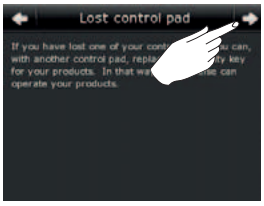
Tap "Security".

4 Ⓐ



Tap "Lost control pad".

5 Ⓐ



Tap ⇨.

6 Ⓐ



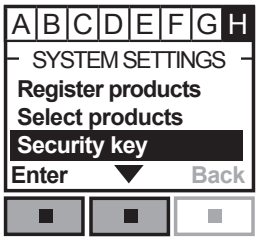
Tap "Send security key".

Continue on the next page

Opsætning
Security - Changing the security key

You now have two minutes to execute items 7-8 with control Ⓑ.

7 Ⓑ

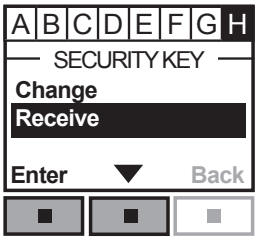


Follow the instructions for the interface until the section where menu item **H** is highlighted.

Press ▼ to highlight "Security key".

Press "Enter" to confirm your choice.

8 Ⓑ



Press ▼ to highlight "Receive".

Press "Enter" to confirm your choice.

The display now indicates that the security key is being transferred.

The security key is now identical in both controls.

If you have additional controls, you must execute item 6 with control Ⓐ and items 7-8 or corresponding items for each additional control Ⓑ, please see the page references in section *Changing security key*.

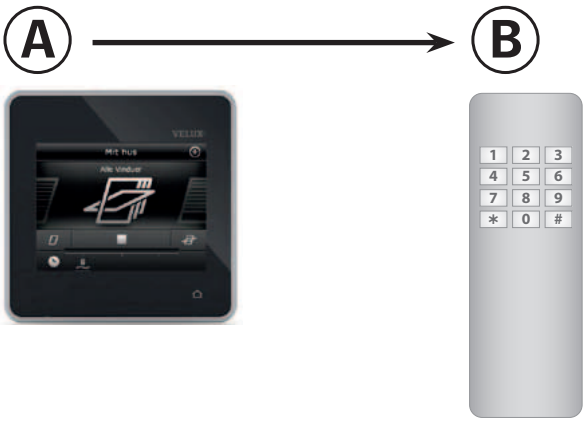


Tap ⌂ or corresponding "Back" key on all controls to finish.

Setting up
Security - Changing the security key

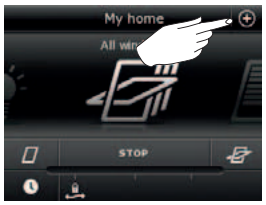
Changing the security key in systems with one or more VELUX INTEGRA® control pads KLR 200 and other types of io-homecontrol® controls

Control pad KLR 200 and the other type of io-homecontrol® control are called Ⓐ and control Ⓑ respectively.



First execute items 1-6 with control Ⓐ.

1 Ⓐ



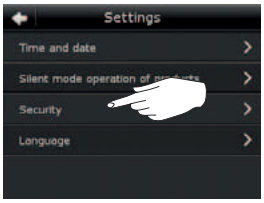
Tap ⊕.

2 Ⓐ



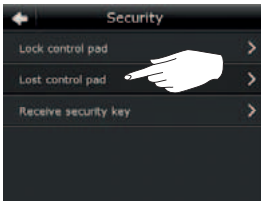
Tap "Settings".

3 Ⓐ



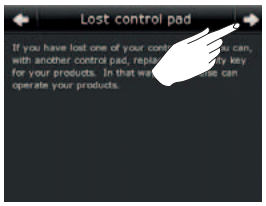
Tap "Security".

4 Ⓐ



Tap "Lost control pad".

5 Ⓐ



Tap ⇨.

6 Ⓐ



Tap "Send security key".

Continue on the next page

Setting up
Security - Changing the security key

You now have two minutes to execute item 7 with control Ⓑ.

7

Ⓑ



See instructions for control Ⓑ.
You may also refer to section *Joint operation of io-homecontrol® products (generic configuration).*

The security key is now identical in both controls.

If you have additional controls, you must execute item 6 with control Ⓐ and item 7 or corresponding items for each additional control Ⓑ, please see the page references in section *Changing security key.*



Tap ⌂ on the control pad to finish.

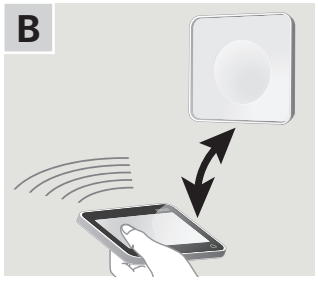
Installation
Fitting the control pad to the wall

You can secure the control pad directly to the wall without using the holder supplied A. The control pad will be almost flush with the wall and you will always know where it is.

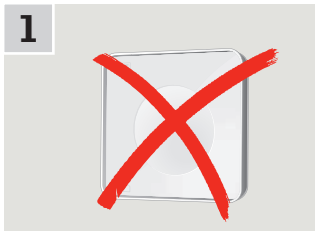
To be able to use the control pad remotely, you can fit the holder supplied to the wall B.

You may also choose not to fit the control pad onto the wall.

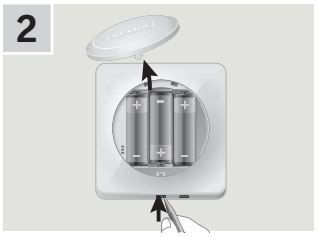




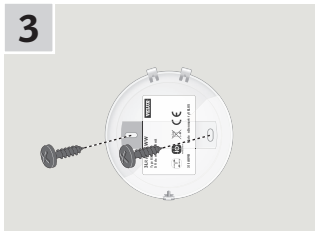
A Control pad fitted directly to the wall



The holder is not required.



Remove the battery lid by pressing the release button with a screwdriver as illustrated.

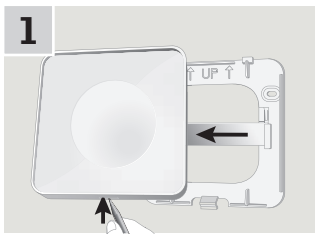


Fit the battery lid to the wall with the two screws supplied.

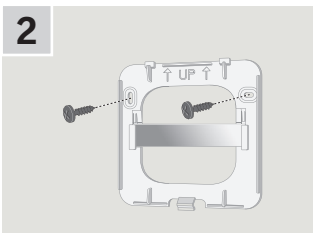


Clip on the control pad to the battery lid.

B Control pad with holder



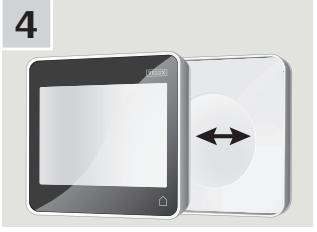
Press with a pointed object at the bottom of the holder and remove the back section.



Fit the back section onto the wall with the two screws supplied.



Clip on the holder to the back section.



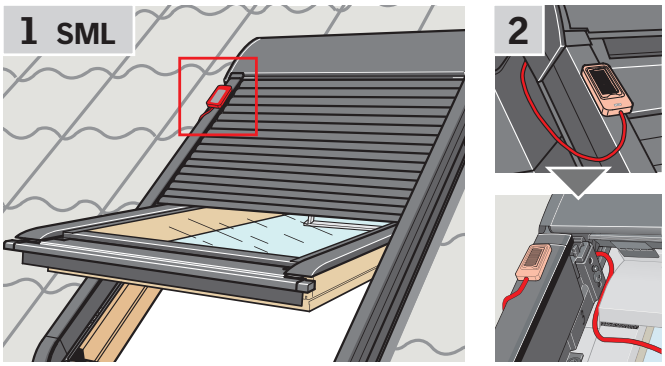
Place the control pad in the holder. The control pad is secured by means of built-in magnets.

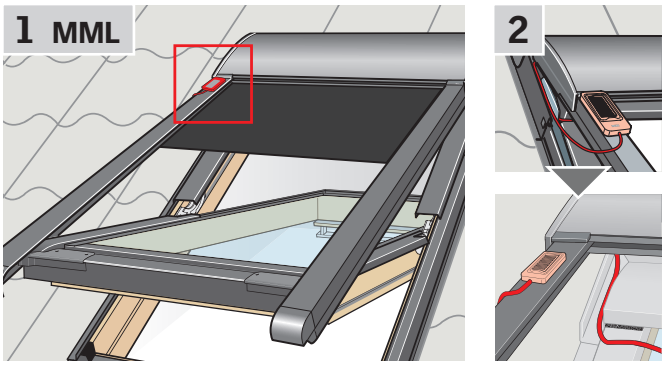
Installation
Repositioning the rain sensor in case of retrofitting

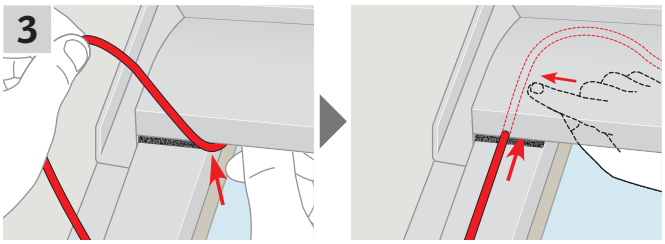
Retrofitting a roller shutter or an awning blind onto an electrically operated centre-pivot window

If you want to retrofit an electric roller shutter or awning blind onto your electrically operated centre-pivot window, you must reposition the rain sensor to the roller shutter side profile or the awning blind side channel.
Note: The mains or battery supply must be switched off while repositioning the rain sensor.

1) Move the rain sensor from window side cover to roller shutter side profile or awning blind side channel.
   Important: The surface of roller shutter or awning blind to which the rain sensor is to be adhered must be clean and dry.
2) Lead the cable under roller shutter or awning blind without pulling it tight.
3) Lead the cable into the window as shown.







VELUX INTEGRA®
KLR 200

Declaration of Conformity

In accordance with the Council Directive 2006/95/EC

We herewith declare that the VELUX INTEGRA® products

- roof windows GGL (----21) og GGU (----21),
- roof windows GGL Solar (----30) og GGU Solar (----30),
- flat roof window CVP (3MX A02),
- electrical conversion kit KMX 100 (3MG A01, 3UC A02, 3LA A01 og 3LR A01) for VELUX roof windows GGL og GGU,
- roof windows KMX 200 (3MX A01, 3LA A01 og 3LR A01) for VELUX roof windows GHL, GHU, GPL, GPU, GTL, GTU og VKU,
- solar conversion kit KSX 100 (3SM B01, 3SD B01 and 3LR A01) for VELUX roof windows GGL and GGU and
- control pad KLR 200 (3LR A02)

- are in conformity with the Machinery Directive 2006/42/EC, EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC and R&TTE Directive 1999/5/EC and
- have been manufactured in accordance with the harmonised standards EN 300220-2, EN 301489-3, EN 55014-1(2006-12), EN 55014-2(1997-02), EN 55022(2006-09), EN 55024 (1998-09), EN 61000-3-2(2006-04), EN 61000-3-3(1995-01), EN 50366, EN 60335-1, EN 60335-2-103, EN 61558-1 and EN 61558-2-16.

The above-mentioned VELUX INTEGRA® roof windows, flat roof window, electrical conversion kits and solar conversion kit - when the kit is installed on a VELUX roof window - are to be considered as machines, which are not to be put into service until they have been installed according to instructions and requirements.

The total system then complies with the essential requirements of the Council Directives 2006/42/EC, 2004/108/EC, 2006/95/EC and 1999/5/EC.

VELUX A/S: .....

(Lars Gylstorff, Product Management)

Ådalsvej 99, DK-2970 Hørsholm 22-12-2011

Declaration No. 942000-00