

S3

# CONTROL BOX

WHITE | USER MANUAL



COMPATIBLE WITH

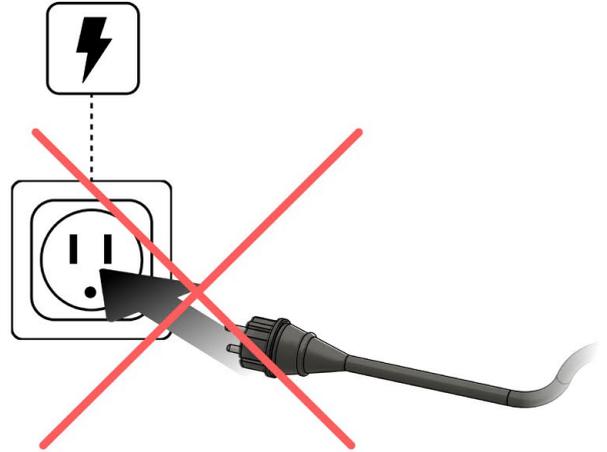


PERGOLUX

# SAFETY INSTRUCTIONS



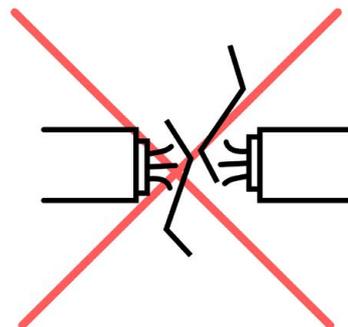
Ensure that the power supply is never plugged in during installation, or wiring, of the control box.



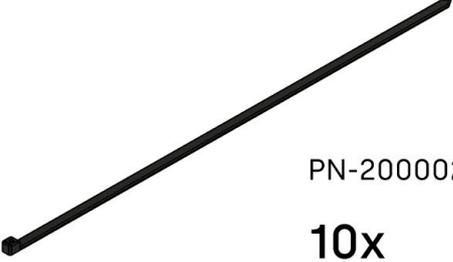
Do not store together with strong acid, alkali or dirty items.



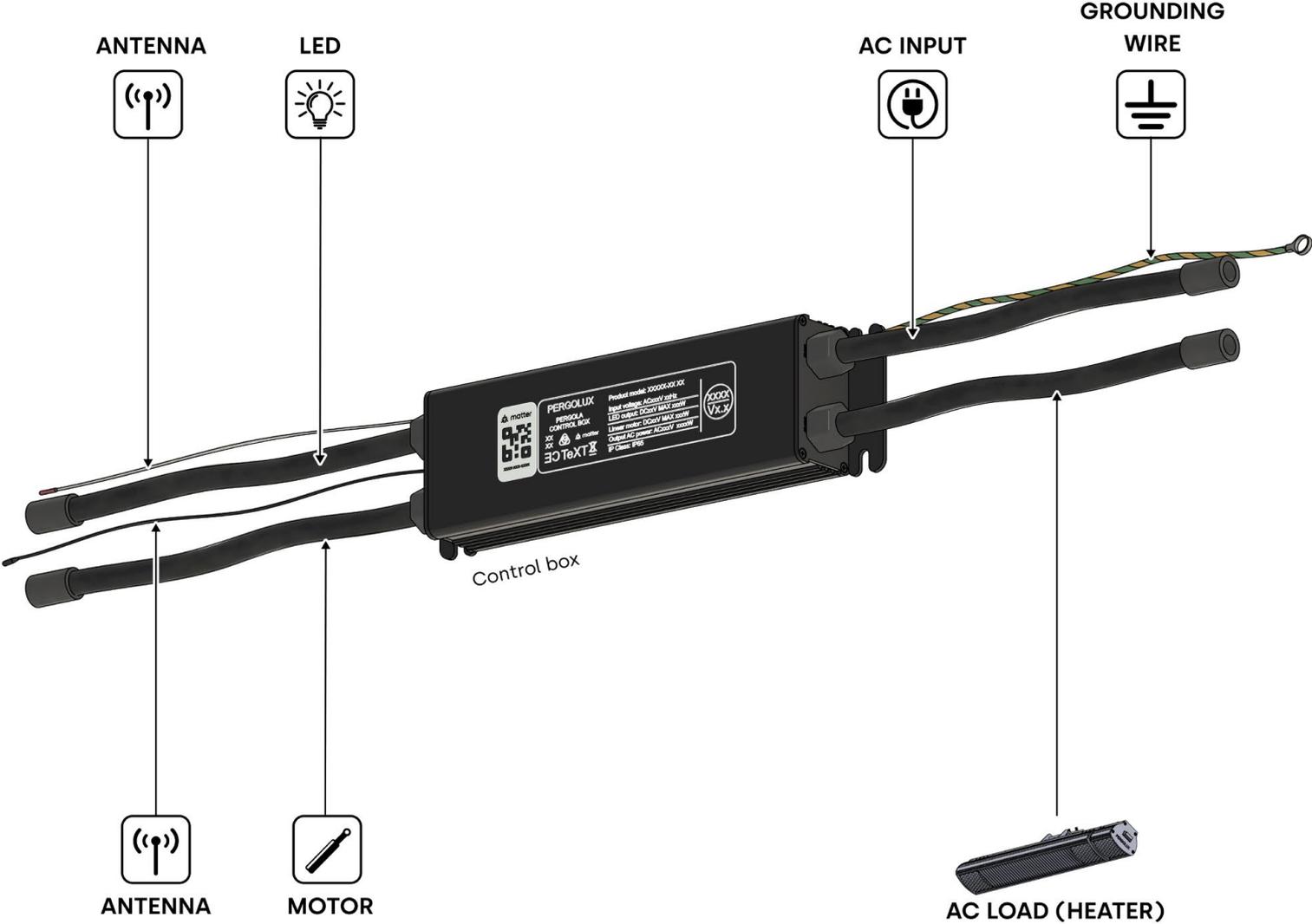
After installation, make sure no cables are, at any point, under pulling or stretching force.



# ITEMS IN BOX

	Control box <b>1x</b>		PN-200002756 <b>1x</b>
	PN-200002684 <b>10x</b>		PN-200002754 <b>1x</b>
	PN-200002683 <b>5x</b>		PN-200002758 <b>1x</b>
	QR-code <b>1x</b>		PN-200002753 <b>2x</b>
	3M tape <b>1x</b>		PN-200002759 <b>2x</b>
			PN-200002757 <b>1x</b>

# INPUTS AND OUTPUTS

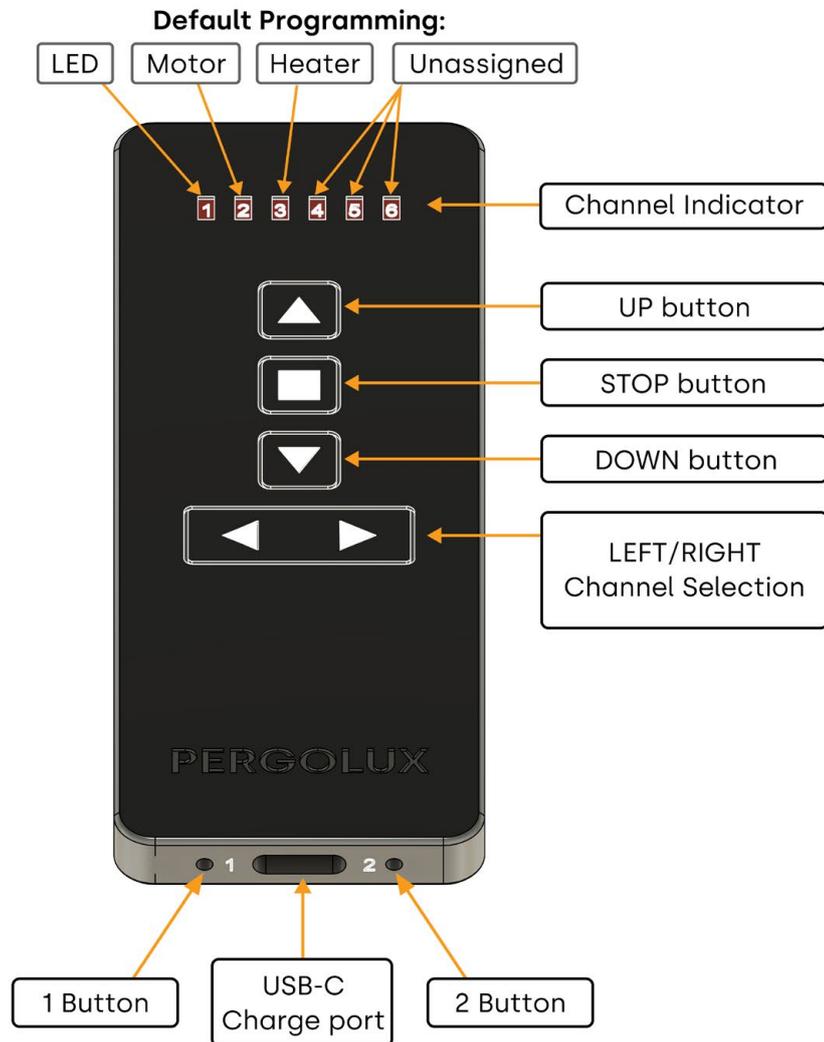


# OVERVIEW AND TECHNICAL DATA



PX292-02 US Matter Pergola Control Box White LED	
Input voltage	120V 60Hz
Color	Black
Control method	RF transmitter / APP
RF receiving frequency	433.92MHz
RF receiving sensitivity	≥-110dBm
RF receiving distance	Open distance ≥60M
AC load power	Max.1500W (Heater), unlimited time
Linear motor working time	Max. 5min
Linear motor output	24VDC / Max. 60W
LED strip output	24VDC / Max. 150W, unlimited time
Working temperature	-20°C ~ +60°C
Protection level	IP65

# OVERVIEW AND TECHNICAL DATA



PX150-06 rechargeable waterproof transmitter	
Product model	PX150-06
Channel quantity	6 channels
RF transmitting frequency	433.92MHz
RF straight-line transmitting distance	≥40m
Transmitting power	≤10dBm
Transmitting current	≤30mA
Standby current	≤10uA
Theoretical standby time	1 year (recommended to charge every 3 months)
Battery	3.7V Li-ion (150mAh)
Charging voltage	5V (TYPE-C)
Work temperature	-20℃ ~ +55℃
Protection level	IP65
Dimensions	127 (L)*43(W)*9(H)mm

# 1

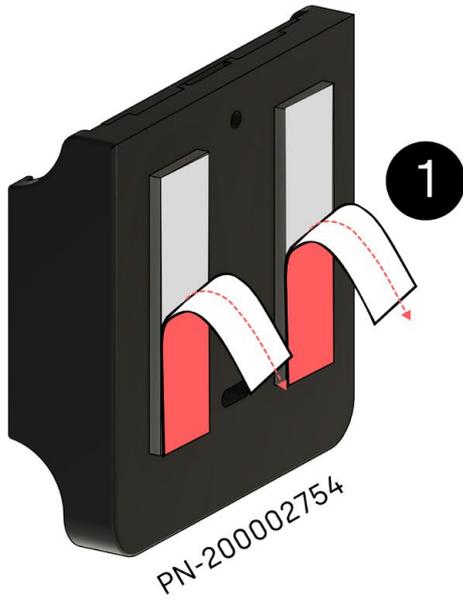


Please remove the thin plastic on the front cover of the remote controller

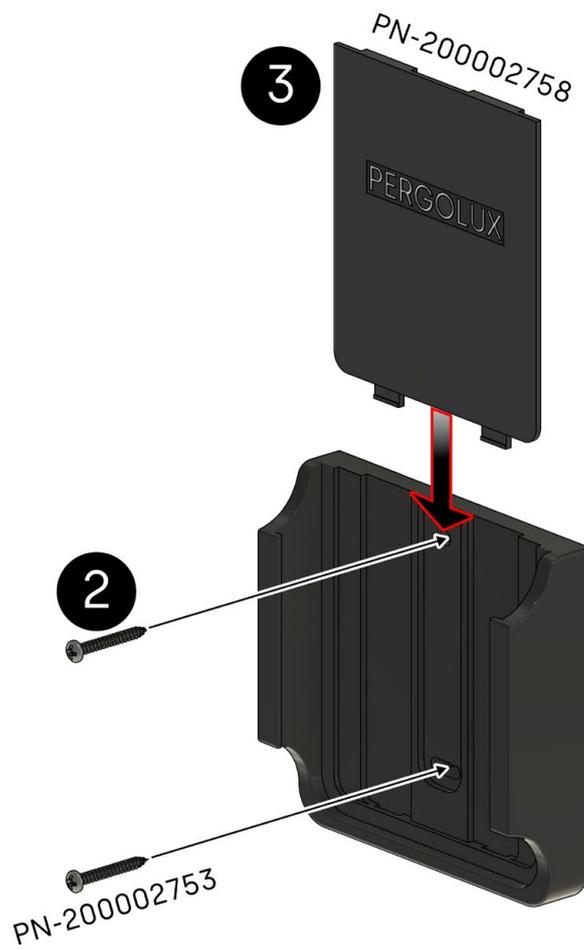


PN-200002756

# 2



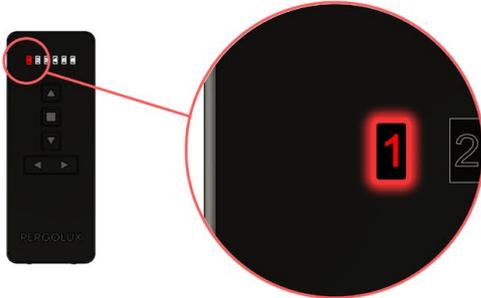
	PN-200002754 1x
	PN-200002758 1x
	PN-200002753 2x
	PN-200002759 2x



# LED PROGRAMMING OVERVIEW

 You can skip this page if your remote has already been programmed

1



Select channel 1 as default for LED Control

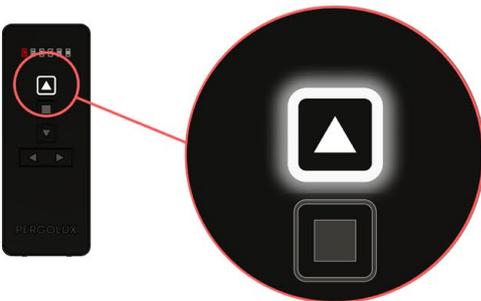
2



**Enter programming mode:**  
Press and hold (5 seconds) until the LED indicator starts blinking continuously



3



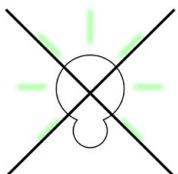
**IN LED PROGRAMMING MODE:**

**Assign LED Control to a new channel:**

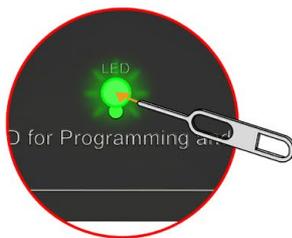
Press the **UP-Button**  
*LED indicator blinks 3 times*





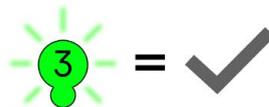


Programming state ends automatically if no action is taken within 15 seconds



**Restore factory settings:**

Press and hold for 15 seconds  
*LED indicator blinks 3 times rapidly*





**ATTENTION: Motor Reset Warning**

During a control box reset, the motor will fully extend and retract. Motor should be disconnected from motor arm to avoid injury or damage to the pergola

# MOTOR PROGRAMMING OVERVIEW

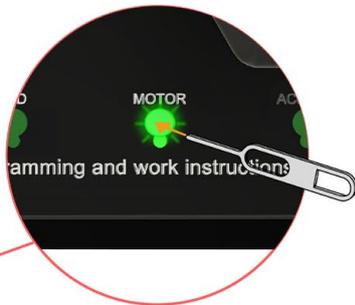
**i** You can skip this page if your remote has already been programmed

1



Select channel 2 as default for Motor Control

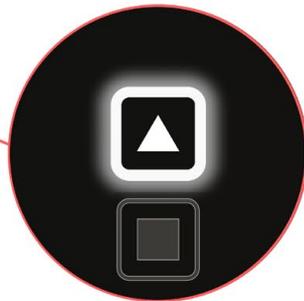
2



**Enter programming mode:**  
Press and hold (5 seconds) until the LED indicator starts blinking continuously



3



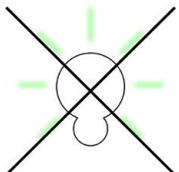
**IN MOTOR PROGRAMMING MODE:**

**Assign Motor Control to a new channel:**

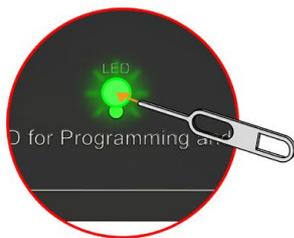
Press the **UP-Button**  
*LED indicator blinks 3 times*



**i**

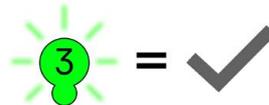


Programming state ends automatically if no action is taken within 15 seconds



**Restore factory settings:**

Press and hold for 15 seconds  
*LED indicator blinks 3 times rapidly*



**i**

**ATTENTION: Motor Reset Warning**

During a control box reset, the motor will fully extend and retract. Motor should be disconnected from motor arm to avoid injury or damage to the pergola

# MOTOR PROGRAMMING OVERVIEW

**!** This is optional - Only relevant if your motor direction is reversed

1



Select channel 2 as default for Motor Control

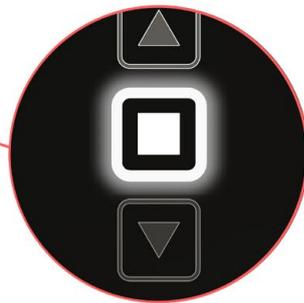
2



**Enter programming mode:**  
Press and hold (5 seconds) until the LED indicator starts blinking continuously



3



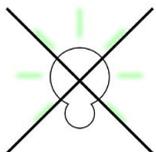
**IN MOTOR PROGRAMMING MODE:**

**Switch motor direction:**

Short press the **Stop-Button**  
*LED indicator blinks 3 times*



Programming state ends automatically if no action is taken within 15 seconds

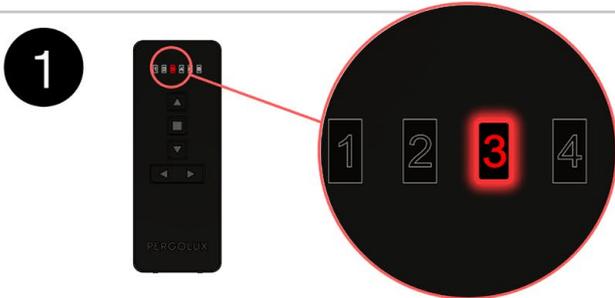


**ATTENTION:**  
**Motor Reset Warning**

During a control box reset, the motor will fully extend and retract. Motor should be disconnected from motor arm to avoid injury or damage to the pergola

# HEATER PROGRAMMING OVERVIEW

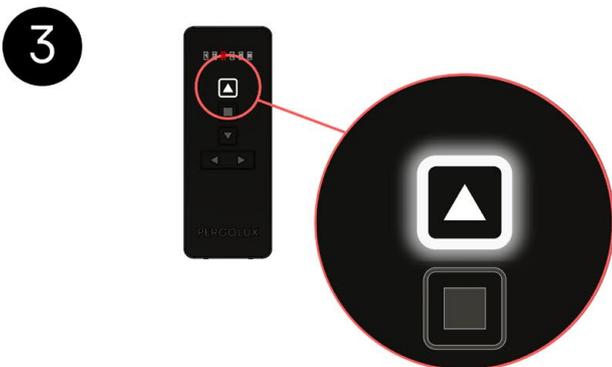
 You can skip this page if your remote has already been programmed



**Select channel 3 as default for Heater Control**



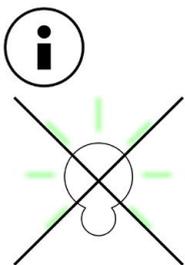
**Enter programming mode:**  
Press and hold (5 seconds) until the LED indicator starts blinking continuously



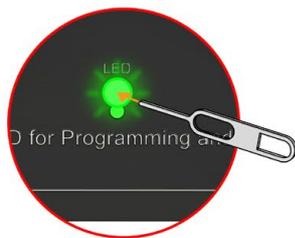
**IN HEATER PROGRAMMING MODE:**

**Assign Heater Control to a new channel:**

Press the **UP-Button**  
*LED indicator blinks 3 times*

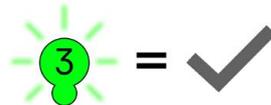


**Programming state ends automatically if no action is taken within 15 seconds**



**Restore factory settings:**

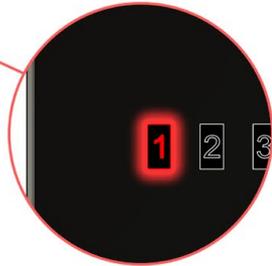
Press and hold for 15 seconds  
*LED indicator blinks 3 times rapidly*



**ATTENTION: Motor Reset Warning**

During a control box reset, the motor will fully extend and retract. Motor should be disconnected from motor arm to avoid injury or damage to the pergola

# WHITE LED-STRIP CONTROL OVERVIEW



## Channel 1 Default: LED Control



Assigned channels can be reprogrammed later, if wanted

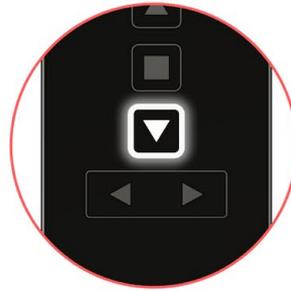


### Short press:

Turn on LED-strips (when off)  
Brighten by one step (when on)

### Long press:

Brighten continuously  
Click again to stop

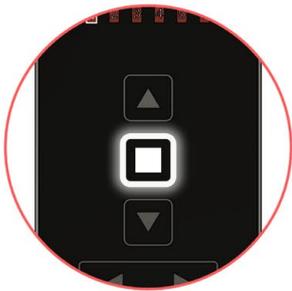


### Short press:

Turn on LED-strips (when off)  
Dim by one step (when on)

### Long press:

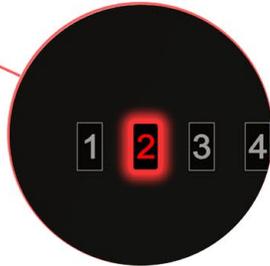
Dim continuously  
Click again to stop



### Short press:

Turn off LED-strips

# LOUVER CONTROL OVERVIEW



**Channel 2 Default:  
Louver/Motor Control**

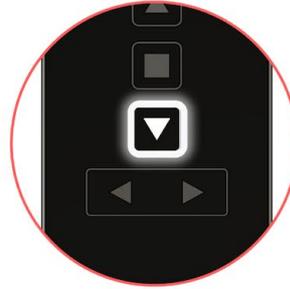


Assigned channels can be reprogrammed later, if wanted

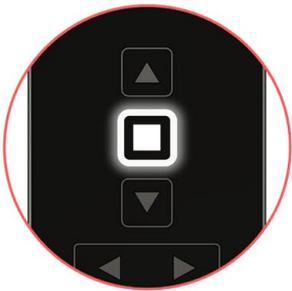


**Press:**  
Open louvers

*If this is reversed for you, then change the motor direction as described on page 11*

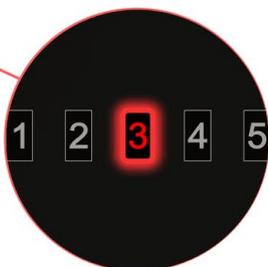


**Press:**  
Close louvers



**Short press:**  
Pause at current position

# HEATER CONTROL OVERVIEW



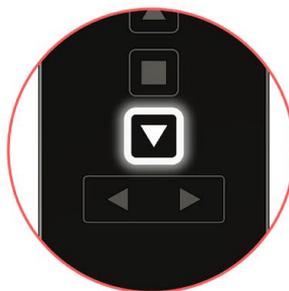
### Channel 3 Default: Heater Control



Assigned channels can be reprogrammed later, if wanted



**Short press:**  
Turn on Heater



**Short press:**  
Turn off Heater

# CONNECT TO PERGOLUX APP

1



PERGOLUX

Diagram showing the App Store and Google Play logos connected by a bracket to a central arrow pointing to the PERGOLUX app icon.

2



**Activate pairing mode:**  
Press the button three times within 2-3 seconds.  
The LED-strip will blink 3 times



**Note:** The control box is already in pairing in the first 5 minutes after powering on

Diagram showing the PERGOLUX control box with a key being inserted into the pairing button. A circular timer icon indicates a 2-3 second duration. Below, a diagram of an LED strip shows 3 blinks with a checkmark.

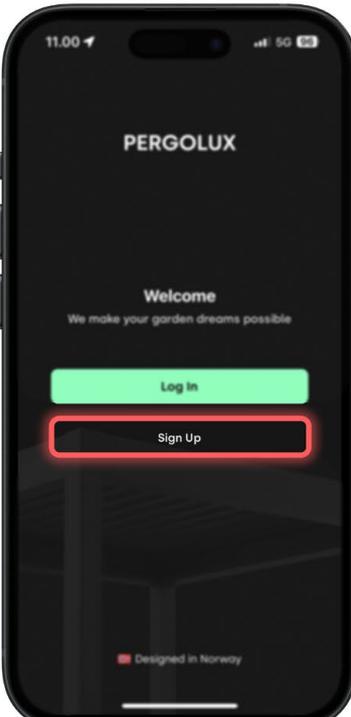
3



**Activate Bluetooth on your smartphone**

Diagram showing the Bluetooth icon and a green toggle switch.

4



PERGOLUX

Welcome  
We make your garden dreams possible

Log In

Sign Up

Designed in Norway

Diagram showing the PERGOLUX app login screen with the Sign Up button highlighted in red.

5



PERGOLUX

Hi

How can we help you today?

Assemble

Controls

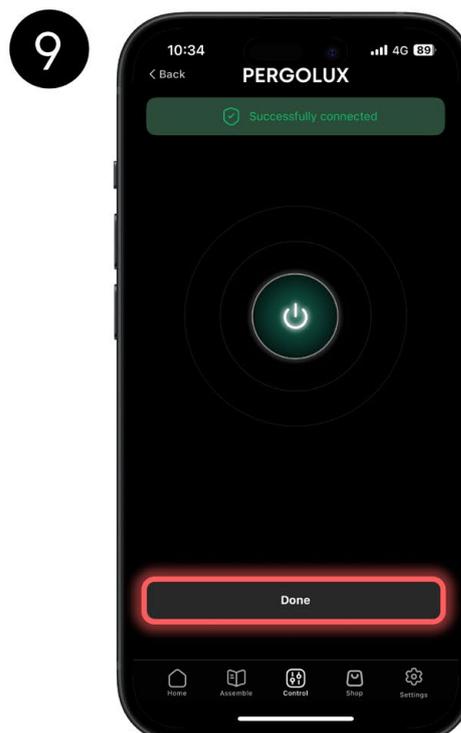
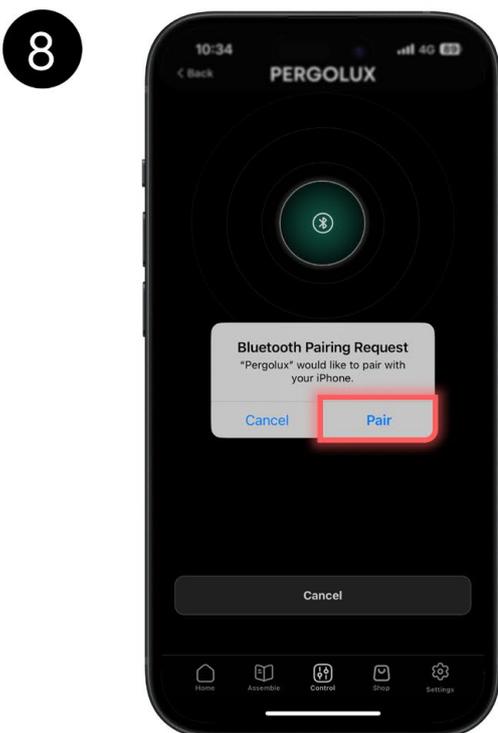
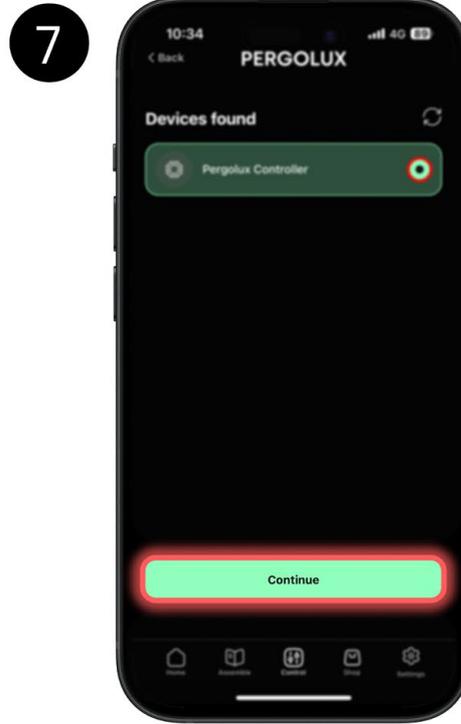
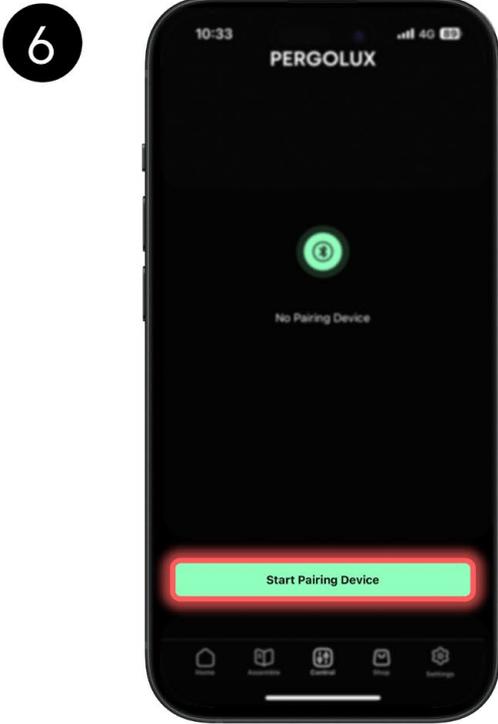
Shop

Settings

SEE NEXT PAGE

Diagram showing the PERGOLUX app home screen with the Controls button highlighted in red. An arrow points from the Controls button to a box labeled 'SEE NEXT PAGE'.

# CONNECT TO PERGOLUX APP



ADD ACCESSORIES TO SMART HOME

## Control box connectivity (IOT)

The Pergolux Control box utilizes the Matter protocol and is fully compatible with Apple HomeKit when connected through a Thread-enabled home hub such as the HomePod mini, HomePod (2nd generation), Apple TV 4K, or a compatible third-party Thread border router. We recommend the affordable HomePod Mini.



For more info, scan the QR-Code and follow the instructions.



### COMPATABILITY

*Pergolux control box is also compatible with Google Home and Amazon Alexa using equivalent Thread-enabled home hub devices.*



Google Home



Apple Home

# ADD ACCESSORIES TO APPLE SMART HOME

**1**



**Important:**  
Motor stroke must be reset before connecting to Smart Home.

**2**



**Apple Home**

Add a compatible home hub according to Apple's instructions.

**3**



**Activate pairing mode:**  
Press the button three times within 2-3 seconds.



**!** Wait for **10 seconds** after activating pairing mode, before scanning the QR-code

**Note:** The controller is already in pairing in the first 5 minutes after powering on

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**i**



The QR-Code is found on the Control box, and separately in the package.

SEE  
NEXT  
PAGE

ADD ACCESSORIES TO APPLE SMART HOME

4



5



6



7



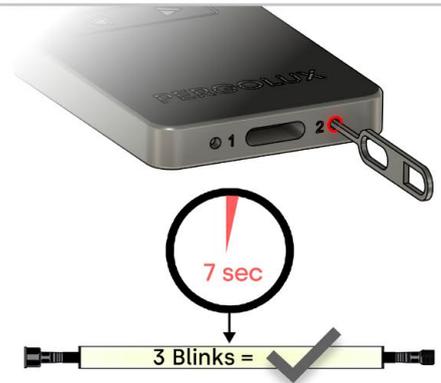
# TROUBLESHOOTING

## If Bluetooth or Smart home pairing is unsuccessful:

It might help to reset all network connections by holding the "2-button" for 7 seconds. The LED-strip will blink 3 times.

It may also be necessary to "remove" or "forget" the paired device from your smartphone's bluetooth settings, before trying again.

*Settings → Bluetooth → Forget this device*



## If you have problems with bluetooth connection:

Make sure you stand in close proximity and have a clear unobstructed line from your smartphone to the control box. Some obstructions and interferences can significantly shorten the range of wireless connections.

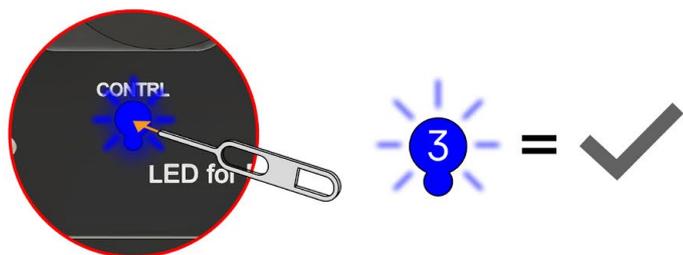
## If you have problems connecting to smart home features:

Make sure you have a fast and stable Wifi connection, with sufficient range.

## Restore all factory settings on the control box:

Press and hold the group control programming button for 15 seconds

This can be helpfull if you mistakenly paired multiple devices to one channel



## CONTACT AND FAQ

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### **Having some issues with your pergola controller?**

If you are faced to an issue with your PERGOLUX products and please go to our FAQ page:

[pergolux.zendesk.com](https://pergolux.zendesk.com)

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# PERGOLUX

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Designed and  
developed  
in Norway



Type Approved  
Regular  
Production  
Surveillance

[www.tuv.com](http://www.tuv.com)  
ID 1111293124