

S3

CONTROL BOX

RGB | USER MANUAL



COMPATIBLE WITH



Apple Home



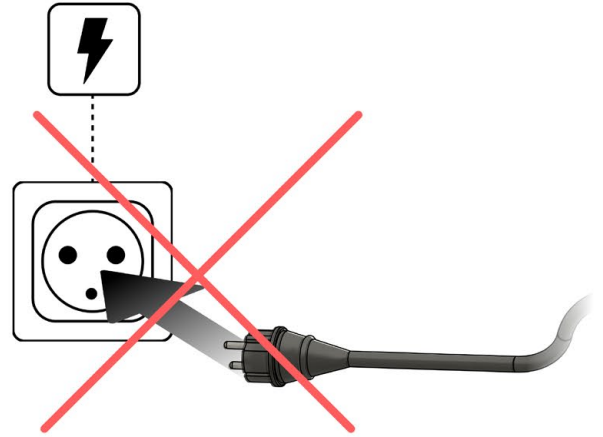
Google Home

PERGOLUX

SAFETY INSTRUCTIONS



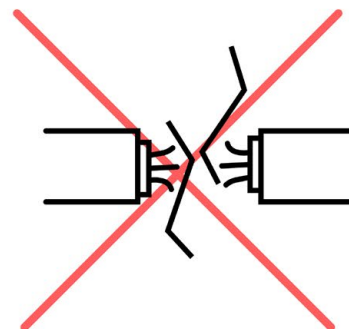
Ensure that the power supply is never plugged in during installation, or wiring, of the control box.



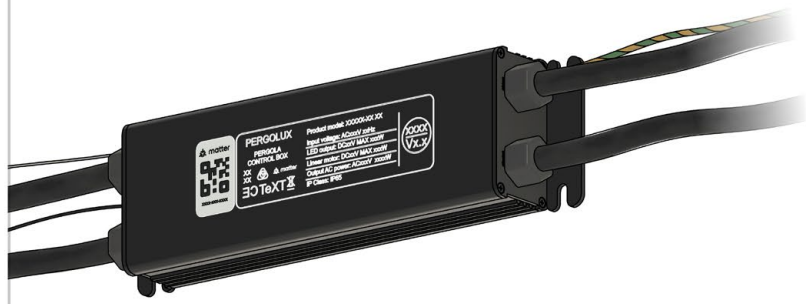
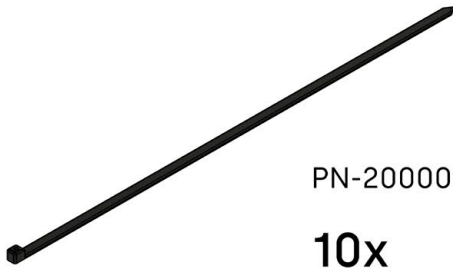
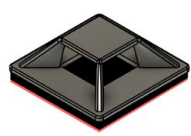
Do not store together with strong acid, alkali or dirty items.



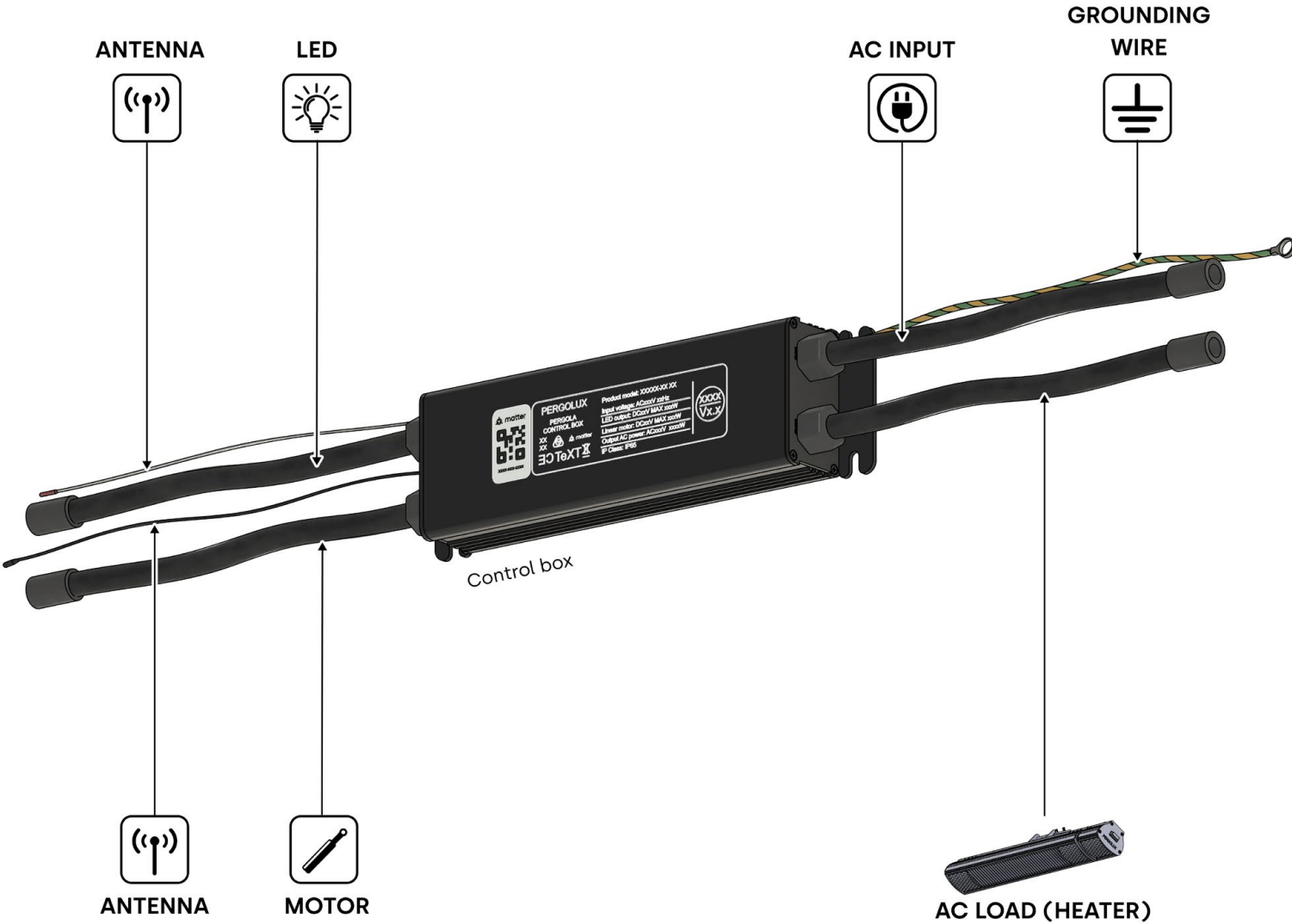
After installation, make sure no cables are, at any point, under pulling or stretching force.



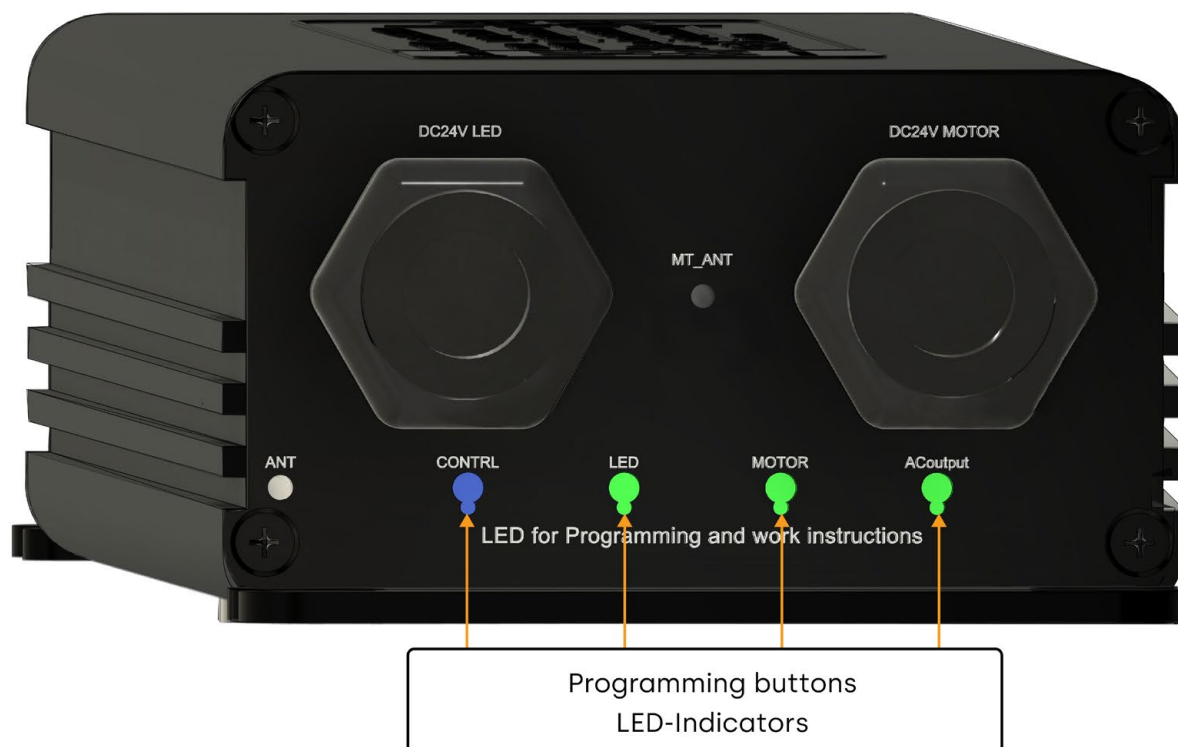
ITEMS IN BOX

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

INPUTS AND OUTPUTS

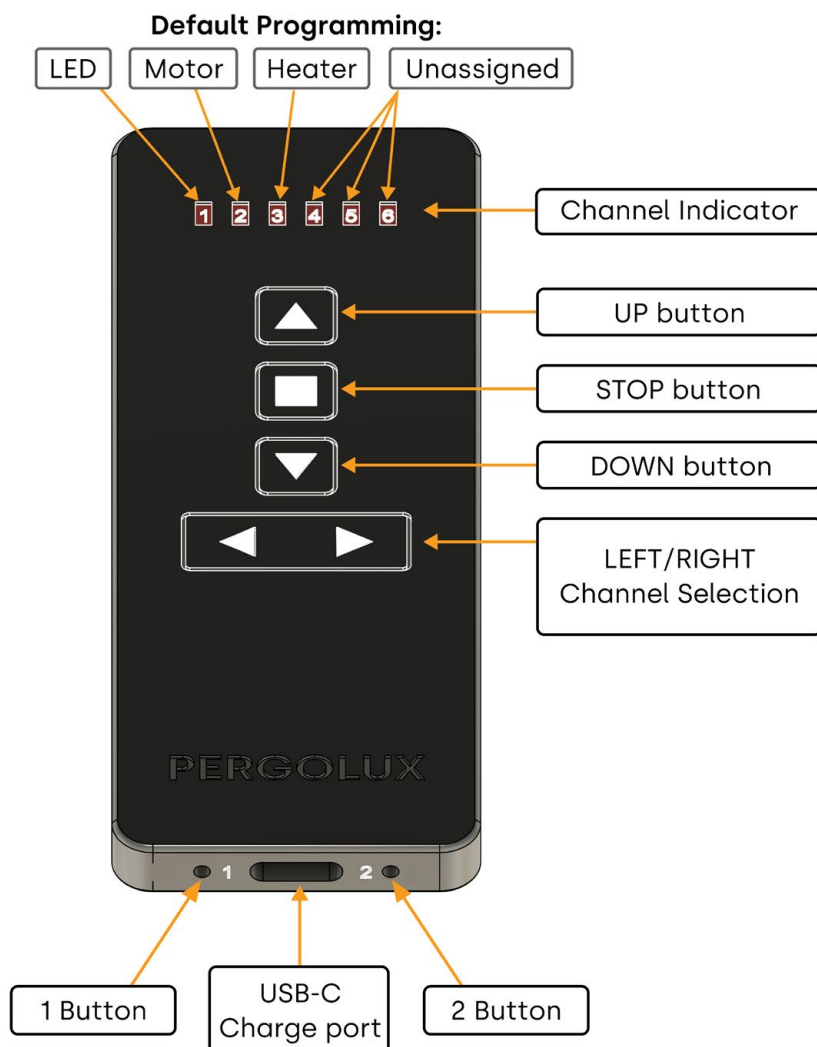


OVERVIEW AND TECHNICAL DATA



PX293-02 EU Matter Pergola Control Box RGB	
Input voltage	230V 50Hz
Color	Black
Control method	RF transmitter / APP
RF receiving frequency	433.92MHz
RF receiving sensitivity	$\geq -110\text{dBm}$
RF receiving distance	Open distance $\geq 60\text{M}$
AC load power	Max. 2000W (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	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$
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

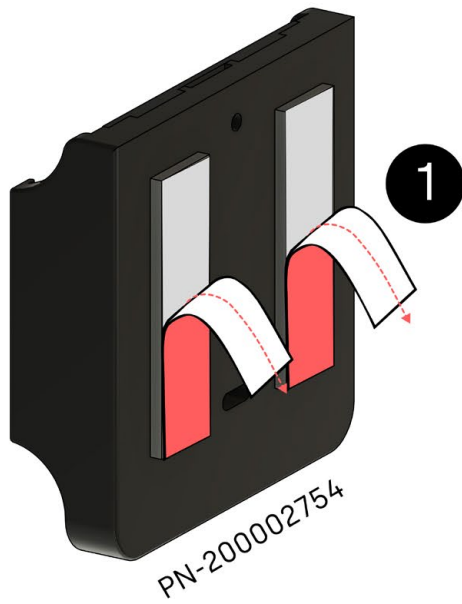


Please remove the thin plastic on the front cover of the remote controller

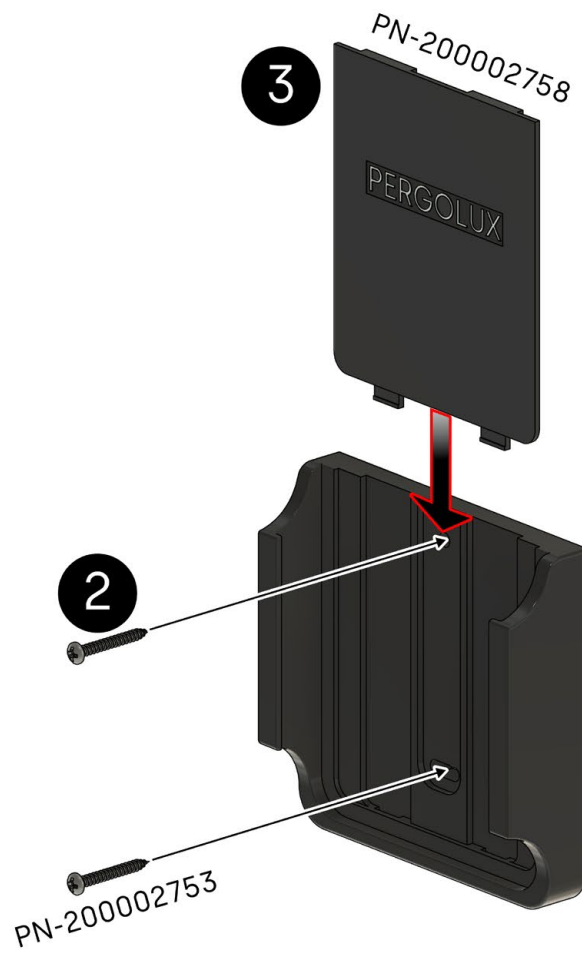


PN-200002756

2

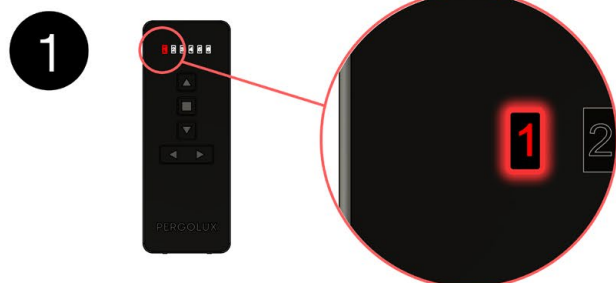


	PN-200002754 1x
	PN-200002758 1x
	PN-200002753 2x
	PN-200002759 2x



LED PROGRAMMING OVERVIEW

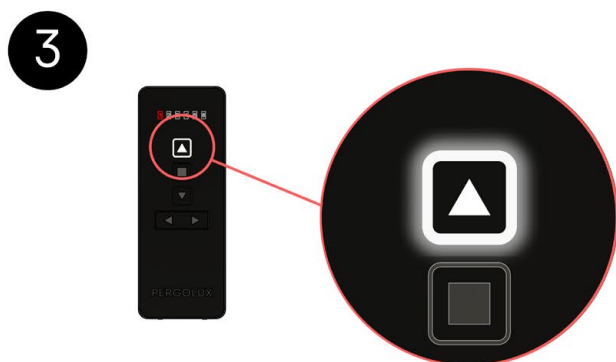
 You can skip this page if your remote has already been programmed



Select channel 1 as default for LED Control



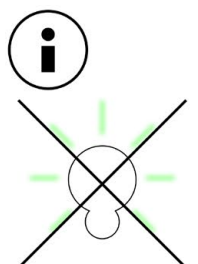
Enter programming mode:
Press and hold (5 seconds) until the LED indicator starts blinking continuously



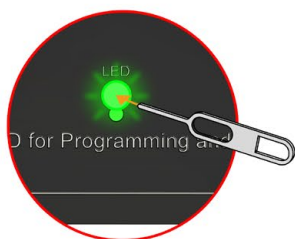
IN LED PROGRAMMING MODE:

Assign LED Control to a new channel:

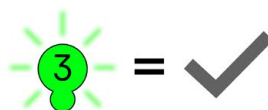
Press the **UP-Button**
LED indicator blinks 3 times



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



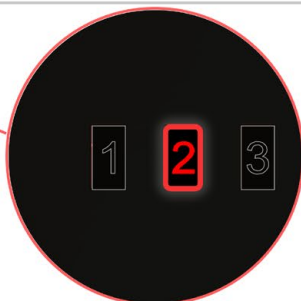
ATTENTION: Motor Reset Warning

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

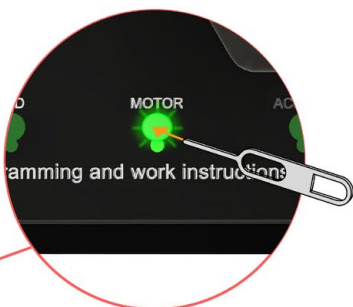
i You can skip this page if your remote has already been programmed

1



Select channel 2 as default for Motor Control

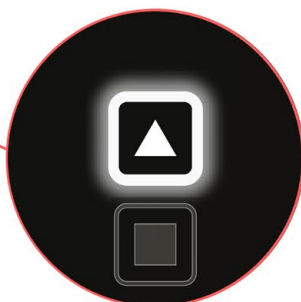
2



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



3



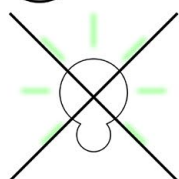
IN MOTOR PROGRAMMING MODE:

Assign Motor Control to a new channel:

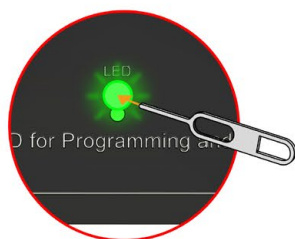
Press the **UP-Button**
LED indicator blinks 3 times



i

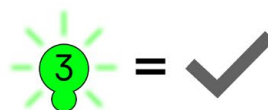


Programming state ends automatically if no action is taken within 15 seconds



Restore factory settings:

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



i

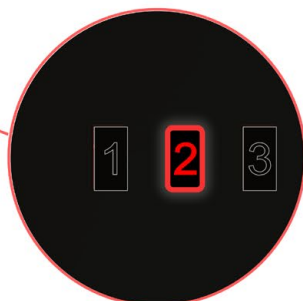
ATTENTION: Motor Reset Warning

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

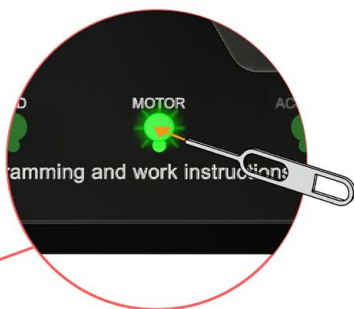
! This is optional - Only relevant if your motor direction is reversed

1



Select channel 2 as default for Motor Control

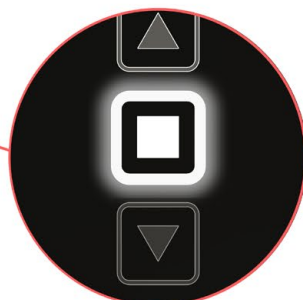
2



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

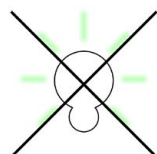


3



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



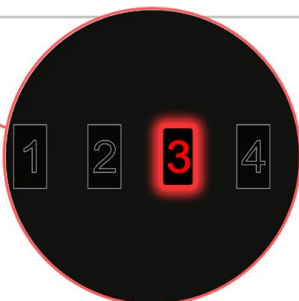
ATTENTION:
Motor Reset Warning

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

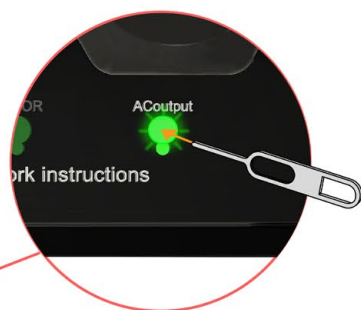
 You can skip this page if your remote has already been programmed

1



Select channel 3 as default for Heater Control

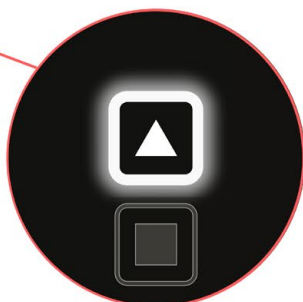
2



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



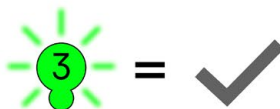
3



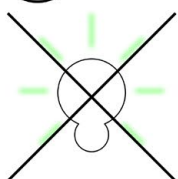
IN HEATER PROGRAMMING MODE:

Assign Heater Control to a new channel:

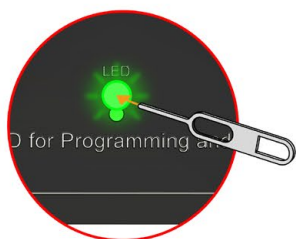
Press the **UP-Button**
LED indicator blinks 3 times



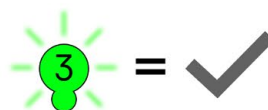




Programming state ends automatically if no action is taken within 15 seconds



Restore factory settings:
Press and hold for 15 seconds
LED indicator blinks 3 times rapidly

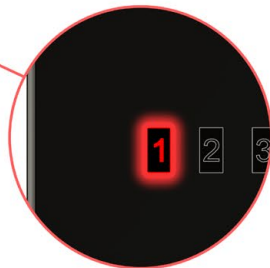




ATTENTION: Motor Reset Warning

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

RGB LED-STRIP CONTROL OVERVIEW



Channel 1 Default: LED Control



Assigned channels can be reprogrammed later, if wanted

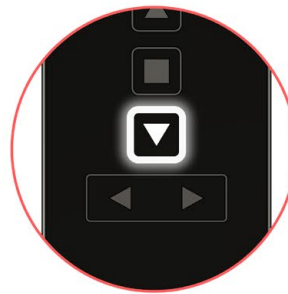


Short press:

Turn on LED-strips

Long press:

Brighten continuously
Click again to stop

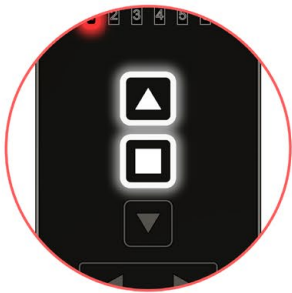


Short press:

Turn off LED-strips

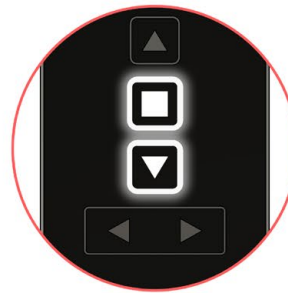
Long press:

Dim continuously
Click again to stop



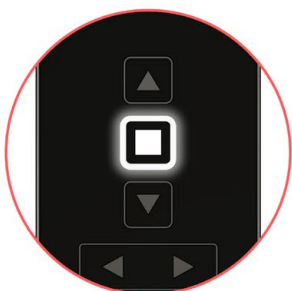
Short press:

Brighten by one step



Short press:

Dim by one step

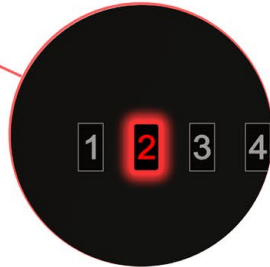


Short press:

Change color



LOUVER CONTROL OVERVIEW



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

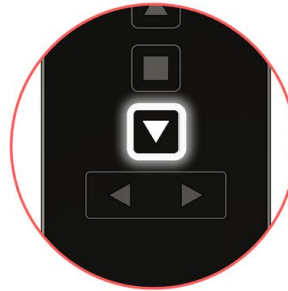


Assigned channels can
be reprogrammed later,
if wanted

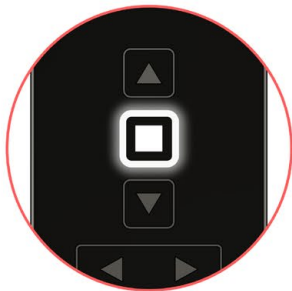


Press:
Open louvers

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

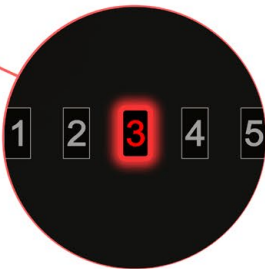


Press:
Close louvers



Short press:
Pause at current position

HEATER CONTROL OVERVIEW



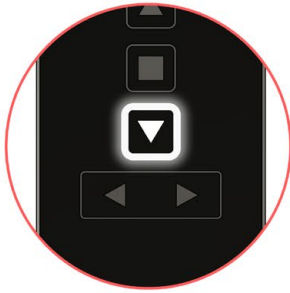
**Channel 3 Default:
Heater Control**



Assigned channels can be reprogrammed later, if wanted



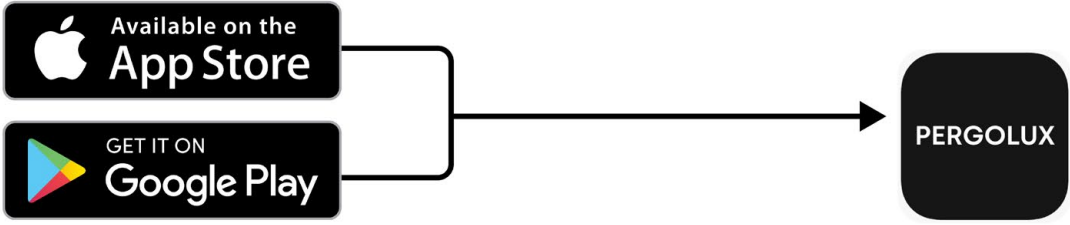
Short press:
Turn on Heater



Short press:
Turn off Heater

CONNECT TO PERGOLUX APP

1



Available on the
App Store

GET IT ON
Google Play

PERGOLUX

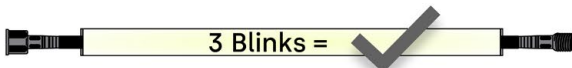
2



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



2-3 sec



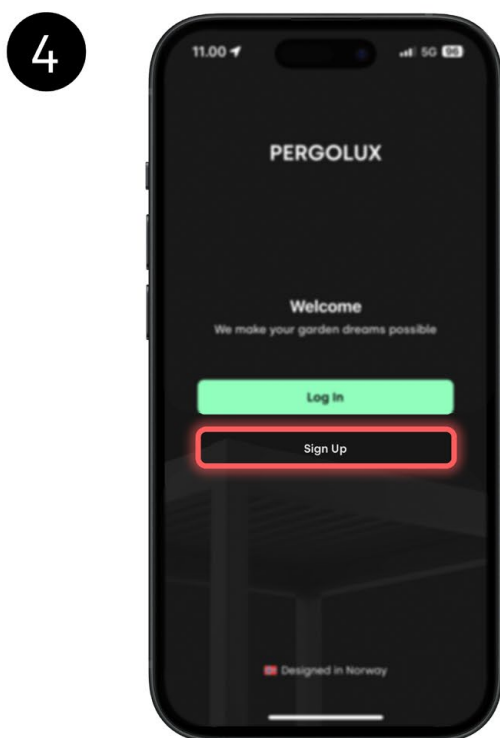
3 Blinks = ✓

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

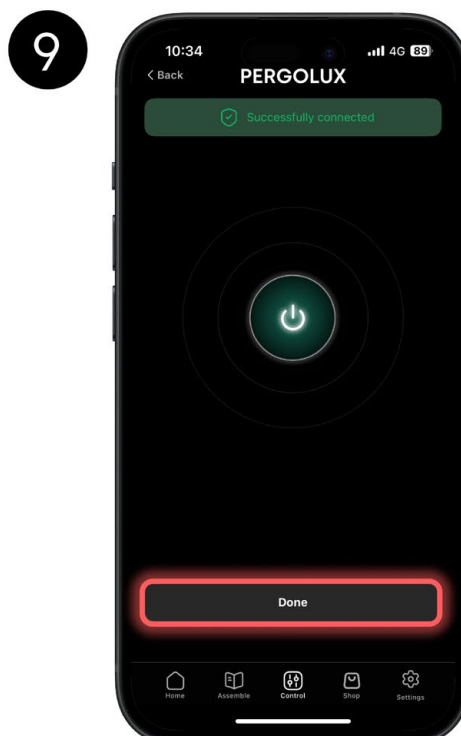
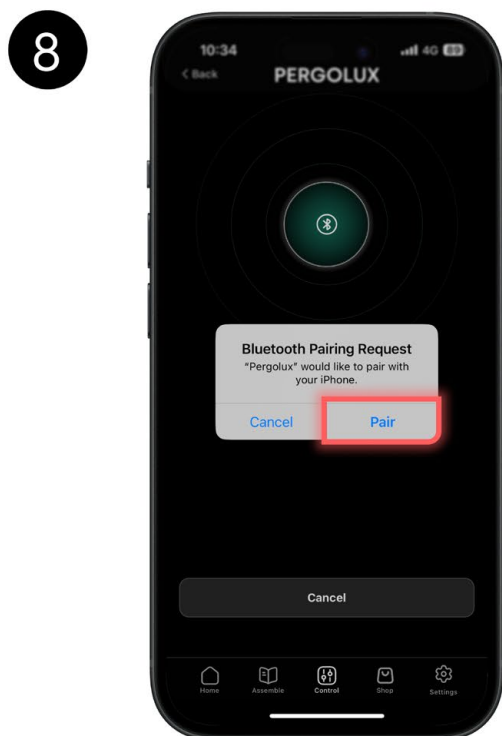
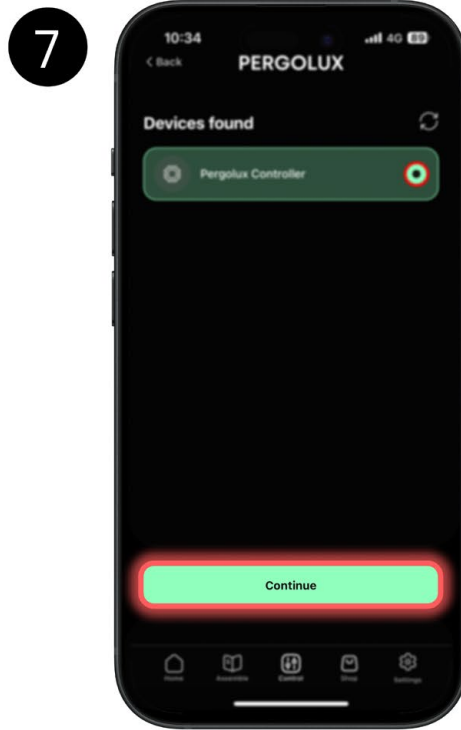
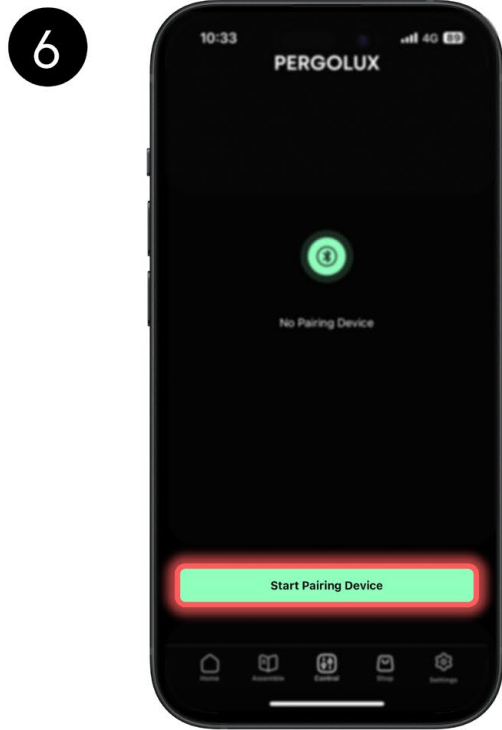
3



Activate Bluetooth on your smartphone



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.



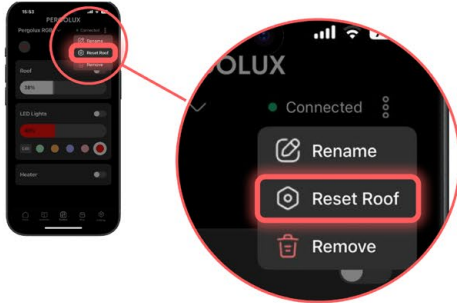
Google Home



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



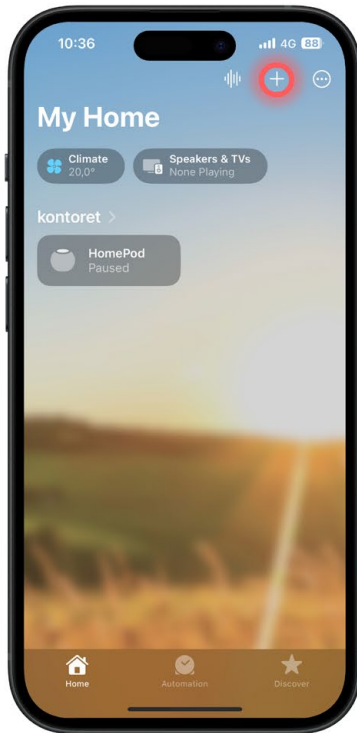
The QR-Code is found on the Control box, and separately in the package.



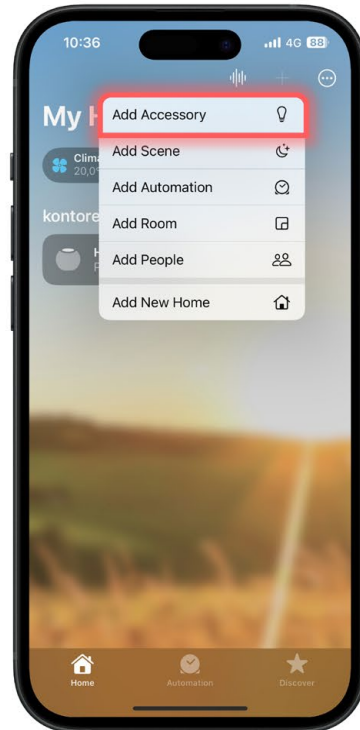
SEE
NEXT
PAGE

ADD ACCESSORIES TO APPLE SMART HOME

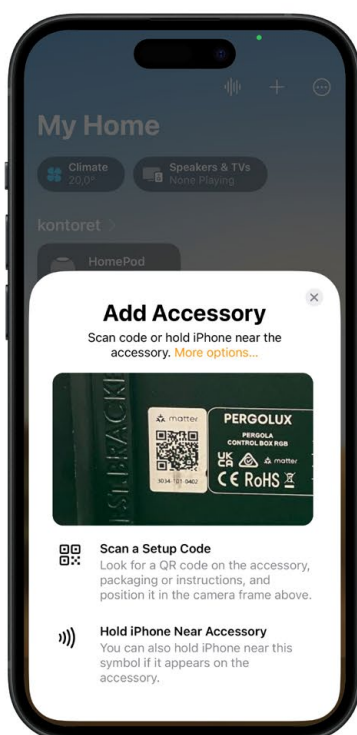
4



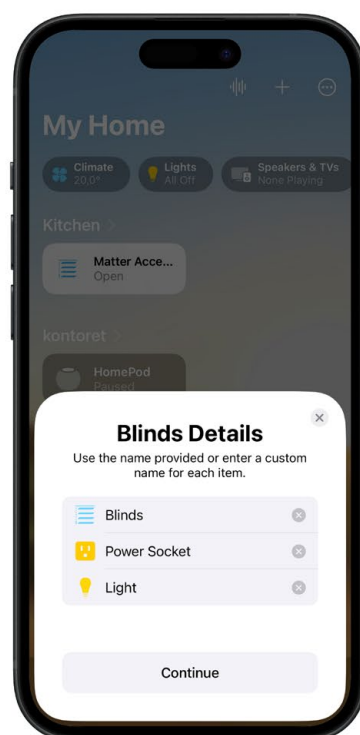
5



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.

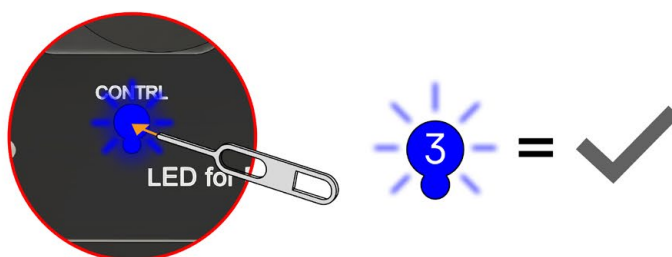
If you have problems connecting to smart home features:

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

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

PERGOLUX



Designed and
developed
in Norway



reddot winner 2024



Type Approved
Regular
Production
Surveillance

www.tuv.com
ID 1111293124