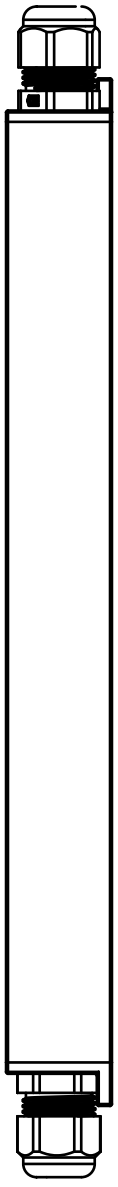
STILO LED SERIES



Box complete with power supply and electronic control unit dedicated to the LED control.
Power supply: 230Vac or 24Vdc.
Output: 24Vdc LEDs.
Radio receiver for transmitters and WiFi module for management with OneSmart application.

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1 - PRODUCT FEATURES

1.1 TECHNICAL DATA

	STL60 and STI100 series	STL250 series	STL-S series
Power supply (Input)	230Vac		24Vdc
LED power supply voltage (Output)	24Vdc		12 or 24Vdc
N° of programmable transmitters	30		
Working temperature	-10° +55°		
Dimensions (box only)	IP66		
Degree of protection	610 X 35 h 28 mm	430 X 35 h 28 mm	240 X 35 h 28 mm

STL 100 W4 / 1 EP5 / P

SERIES PRODUCT

INTEGRATED POWER SUPPLY POWER:

Code	Power supply	Maximum power per output	Maximum power in total
-S	/	5A	10A
60	60W	60W (2,5A)	60W (2,5A)
100	100W	100W (4A)	100W (4A)
250	250W	120W (5A)	240W (10A)

! =
In the case of EP3 LED connectors the maximum power per output is limited to 3A
In the case of STL-S the power and the voltage depends on the power supply used

NUMBER OF CONNECTORS LEDs

Code	Connector
1	1
2	2
3	3
4	4

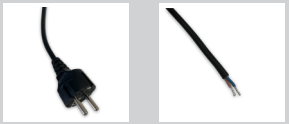
TYPE OF LED CONNECTORS

Code	Maximum current
EP	5A
EP3	3A
EP5	5A

EP EP3 EP5

POWER SUPPLY WIRING

Code	Type
/P	Spina
/F	Cavo



/ P / F

TYPE OF WIRELESS COMMUNICATION

Code	Radio transmitter	WiFi App 2,4GHz
W4/	433MHz	OneSmart
W8/	868MHz	OneSmart
R4/	433MHz	/
R8/	868MHz	/

2- SETTING UP CONTROL UNIT

To put the board into operation it is necessary to make the connections of the 230Vac power supply (paragraph 4.1) and of the outputs (paragraph 4.2).

Depending on the code purchased, different cabling outputs from the box will be available (see technical data in paragraph 1.1), in detail:
- Power input: with plug or wires, see paragraph 4.1
- LED outputs: there may be 1, or 2 connectors, see paragraph 4.2

For light control modes see paragraph 3.

3- USE

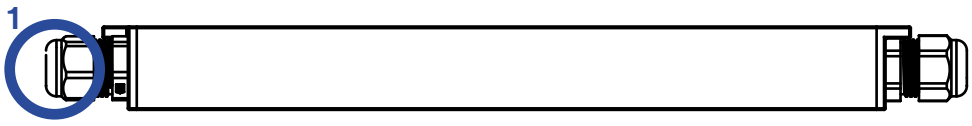
RADIO COMMAND
To use the system with a remote control, you must have a compatible one and associate it with the procedure in paragraph 5 and 6.
Once associated, refer to the user manual of the remote control for its functions.

WIFI COMMAND
To use the system with the application it's necessary to have a WiFi network with internet access and then make the association procedure in paragraph 7

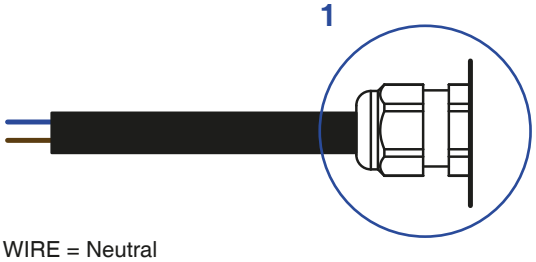
4 - ELECTRICAL CONNECTIONS

WARNINGS
- Installation must be carried out only by qualified technicians in compliance with the electrical and safety standards in force.
- All connections must be made with the power turned off.
- Use suitable cables.
- Do not cut through the aerial
- A suitably sized disconnection device must be set up on the electric power line that supplies the product.
- Disposal of waste materials must fully respect local standards.
- Do not exceed the load limits shown and use protected power supply units of the correct size for the load.

4.1 - 230VAC POWER CONNECTION

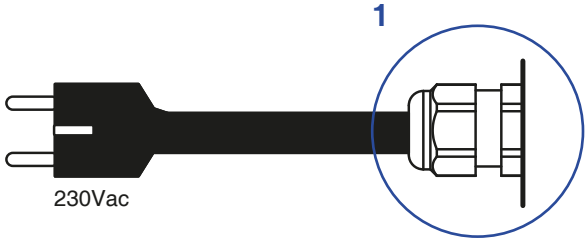


SERIES STL***/*****/F**

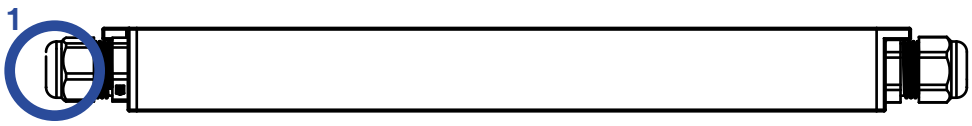


BLU WIRE = Neutral
BROWN WIRE = Phase

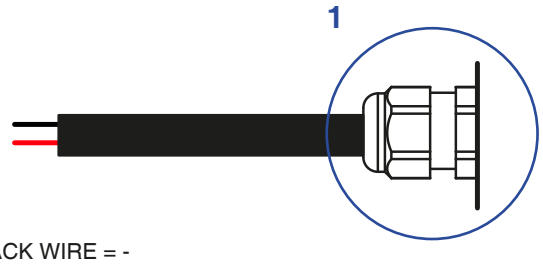
SERIES STL***/*****/P**



4.2 - 24VDC POWER CONNECTION

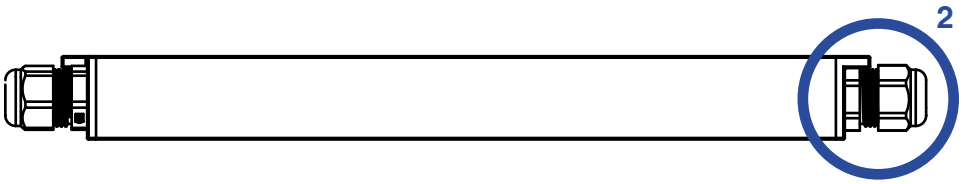


SERIES STL-S/****/F**

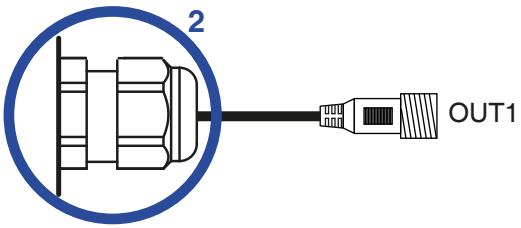


BLACK WIRE = -
RED WIRE = +12 or 24 Vdc

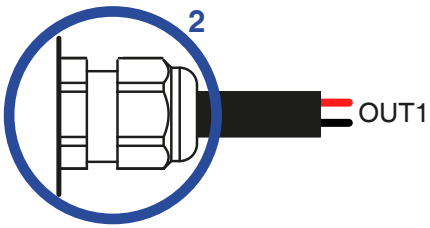
4.3 - CONNECTION OF THE LED OUTPUTS



SERIES: "STL***/1EP5/*", "STL*****/1EP3/*", "STL*****/1EP/*"**

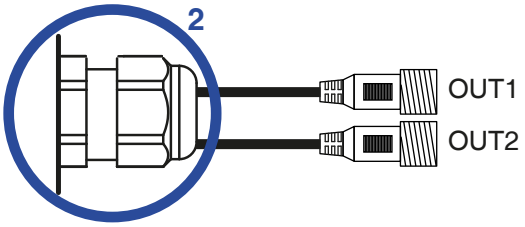


SERIES: "STL***/1CAB/*"**



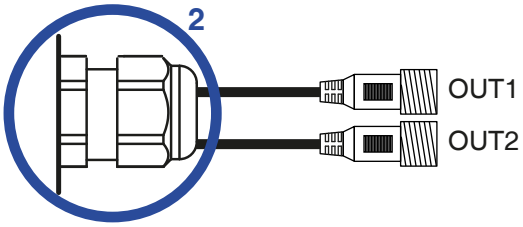
Filo rosso = +24Vdc
Filo nero = -

SERIES: "STL***/2SEP5/*", "STL*****/2SEP3/*", "STL*****/2SEP/*"**



The output control on this series of boxes is that of "all outputs controlled in a synchronized mode"

SERIES: "STL***/2IEP5/*", "STL*****/2IEP3/*", "STL*****/2IEP/*"**



The output control on this series of boxes is that of "OUT1 and OUT2 controlled separately"

5 - PROGRAMMING OF REMOTE CONTROLS

This product does not have a programming interface with buttons and LEDs.
To carry out the programming procedures it is necessary:
- Being able to remove and power the box
- Have a compatible remote control

5.1 - PROGRAMMING THE NEXTA RADIO CONTROL

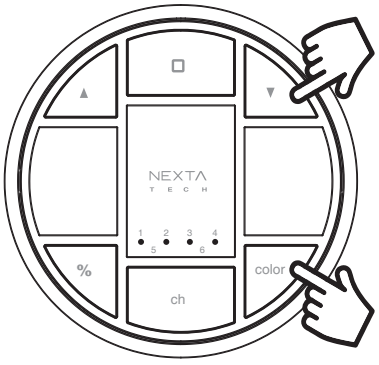
To program a remote control from the control unit memory it is necessary to:
- Have a new compatible remote control
- Being able to switch on and off power to the control panel

PROCEDURE

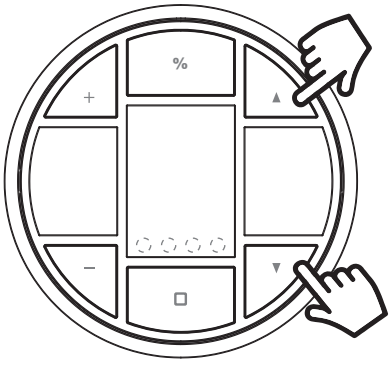
STEP 1
Remove and re-energize the box by disconnecting the 230Vac power supply. (After turning off the power, wait at least 30 seconds or send commands with the transmitter to make sure that the “power supply is completely discharged”)

STEP 2
Position yourself near the control unit and within 15 seconds send the “activate radio listening” command (see radio control manual)

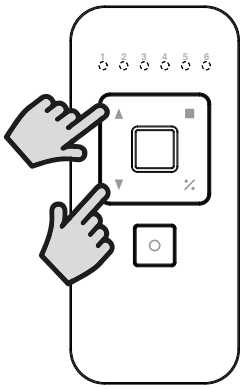
Below are examples of the key combination for sending the “radio listening activation” command in the main Nexta transmitters



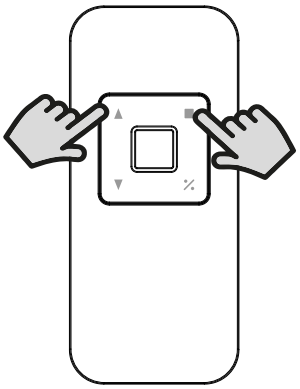
HB80-PRG6, HB80-PRG6/8:
Choose the channel and press “down arrow” and “colour” at the same time



HB80-PRG200, HB80-PRG800:
Choose the channel and press “up arrow” and “down arrow” at the same time



ECO-6L, ECO-6L800:
Choose the channel and press “up arrow” and “down arrow” at the same time



ECO-1L
- Keep the “up arrow” and “square” keys pressed at the same time until the LED flashes
- Briefly press the “up arrow” key

5.2 - DELETION OF THE NEXTA REMOTE CONTROL

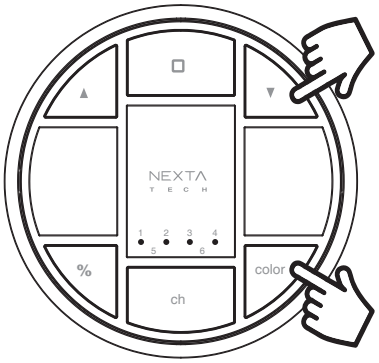
To delete a remote control from the control unit memory it is necessary to:
- Have the remote control you want to delete
- Being able to switch on and off power to the control panel

PROCEDURE

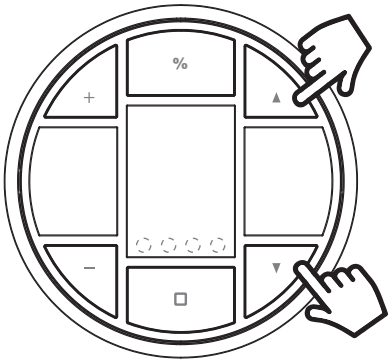
STEP 1
Remove and re-energize the box by disconnecting the 230Vac power supply.

STEP 2
Position yourself near the control unit and within 15 seconds send the “activate radio listening” command (see radio control manual)

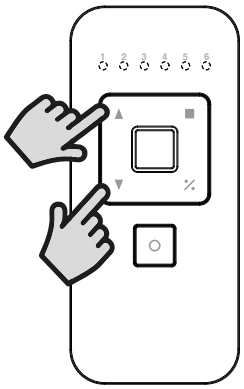
Below are examples of the key combination for sending the “radio listening activation” command in the main Nexta transmitters



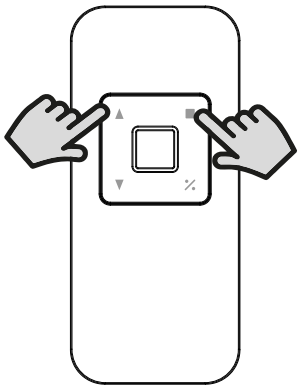
HB80-PRG6, HB80-PRG6/8:
Choose the channel and press “down arrow” and “colour” at the same time



HB80-PRG200, HB80-PRG800:
Choose the channel and press “up arrow” and “down arrow” at the same time



ECO-6L, ECO-6L800:
Choose the channel and press “up arrow” and “down arrow” at the same time



ECO-1L
- Keep the “up arrow” and “square” keys pressed at the same time until the LED flashes
- Briefly press the “up arrow” key

Note: the programming and deletion procedures are the same. If the remote control is new it is associated, if the remote control is already present in the memory it is deleted.

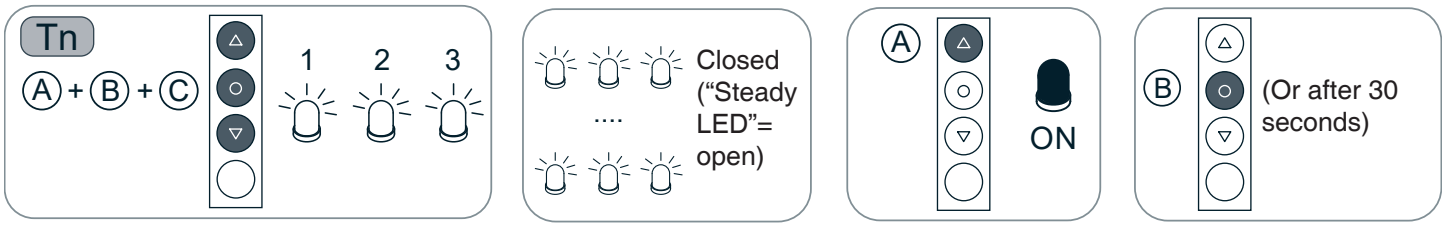
6- PROGRAMMING OF CHERUBINI SERIES RADIO CONTROLS

The procedures with Cherubini brand transmitters are:
- Enabling programming from remote control
- Pairing the first remote control
- Association of other remote controls by having the first remote control available
- Association of other remote controls with the power supply of the control unit
- Deletion of the single remote control
- Deletion of all remote controls

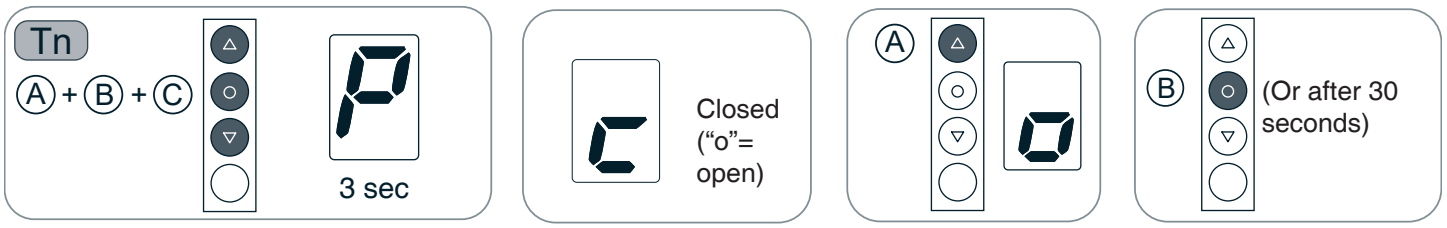
To avoid accidental changes to the control unit's programming during daily use of the remote control, the programming possibility is automatically disabled 8 hours after sending the last programming sequence.

6.1 - ENABLING PROGRAMMINGS FROM THE REMOTE CONTROL

POP SERIES PROCEDURE

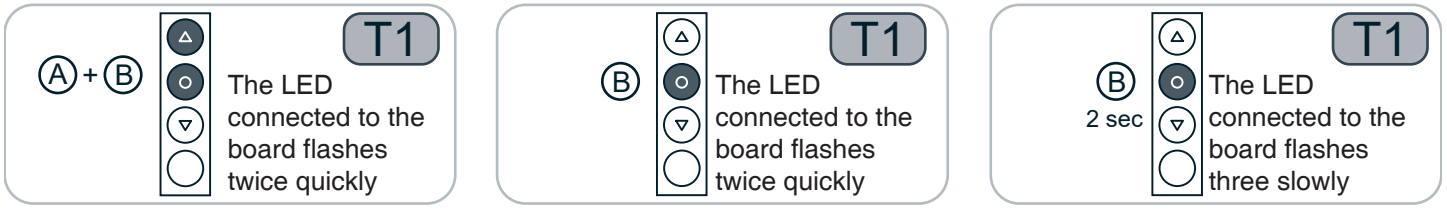


POP LUX SERIES PROCEDURE



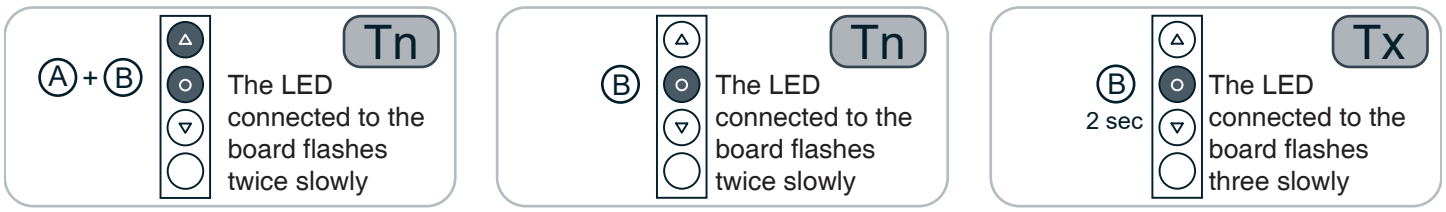
6.2 - PAIRING THE FIRST REMOTE CONTROL

T1= first remote control to memorize



6.3 - ASSOCIATION OF OTHER REMOTE CONTROLS WITH THE FIRST AVAILABLE

Tn= remote control already memorized
Tx= remote control to memorize

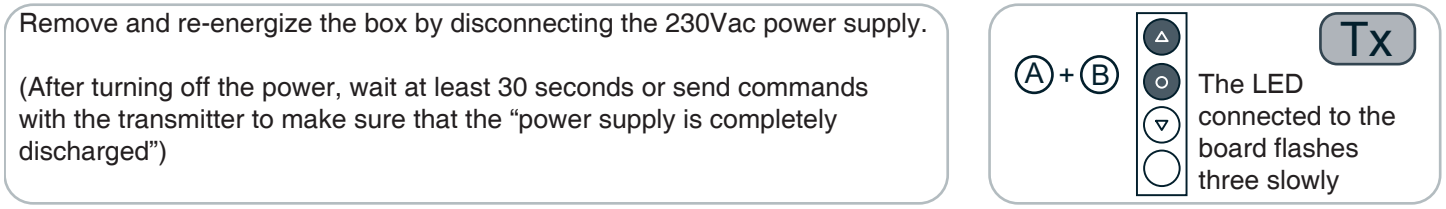


6.4 - ASSOCIATION OF OTHER REMOTE CONTROLS WITH THE BOARD'S POWER SUPPLY

Tx= remote control to memorize

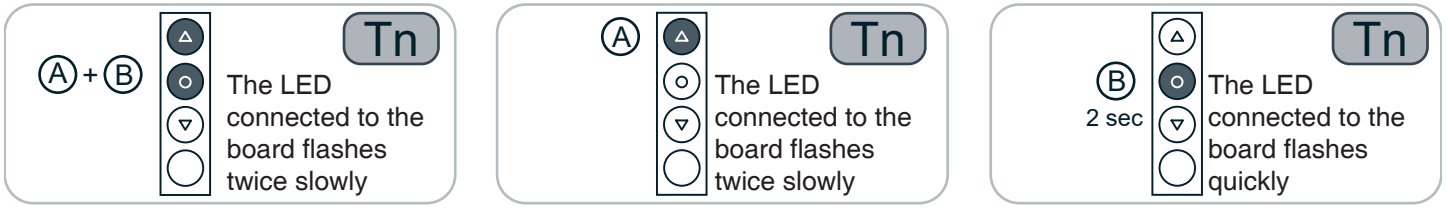
Remove and re-energize the box by disconnecting the 230Vac power supply.

(After turning off the power, wait at least 30 seconds or send commands with the transmitter to make sure that the "power supply is completely discharged")



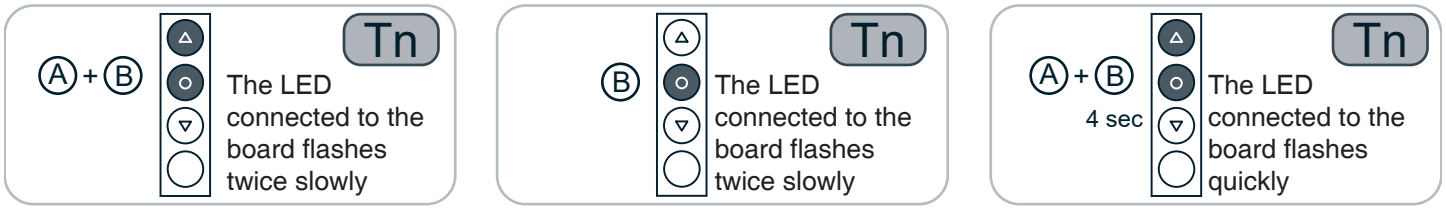
6.5 - DELETION OF THE SINGLE REMOTE CONTROL

Tn= remote control already memorized



6.6 - DELETION OF ALL TX

Tn= remote control already memorized



7 - MANAGEMENT FROM “ONESMART” APPLICATION

These procedures allow you to manage your system from your device (example: mobile phone) via an application and to control the system remotely.

7.1 - CONNECTION TO THE “ONESMART” APP WITH BUTTONS ON THE BOARD

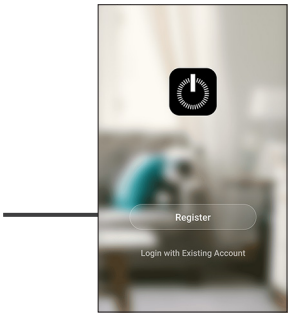
Requirements: Have a mobile phone connected to a 2.4GHz WiFi network with internet access to connect the control unit.

PROCEDURE

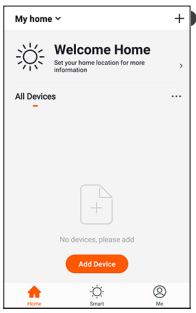
1. Download the “OneSmart” app from the store

OneSmart

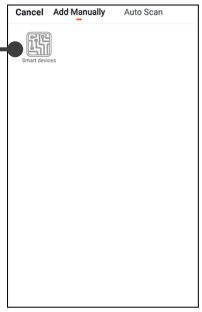
2. After launching the application you will be prompted to create an account.
Complete the procedure.



3. Press the “Add devices” icon



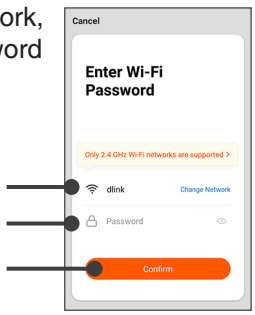
4. Select the “Smart Devices” category



5. With the remote control associated with the card, position yourself near the control unit and send the WiFi reset command (see the following page and the transmitter manual)

6. On the application press “Connect”

7. On the application, select the WiFi network, enter with the password and confirm

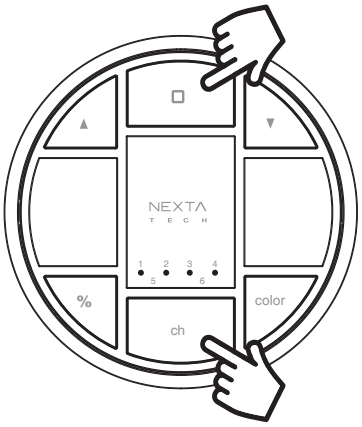


8. Now the device will configure itself automatically. The blue LED on the board signals the progress of the setting:
Series of one flash =
the control unit is ready for configuration
Series of two flashes=
the control panel is trying to connect to the network
Series of 4 flashes=
the control panel connected correctly
Prior to the outcome of the procedure, the LED will switch off after two minutes.
FOR CONNECTION PROBLEMS, SEE PAR.12.1

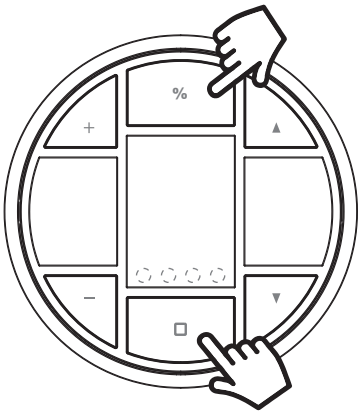
PROCEDURE ON THE RADIO CONTROL FOR SENDING THE WIFI RESET SIGNAL

Below are examples of the key combination for sending the “WiFi reset activation” command in the main Nexta and Cherubini transmitters

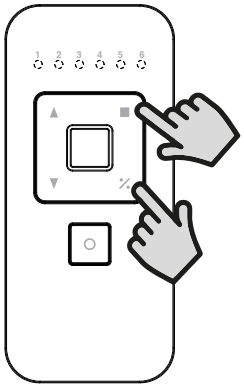
HB80-PRG6, HB80-PRG6/8:
Choose the channel and press “square” and “CH” at the same time



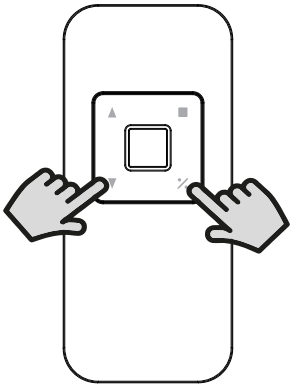
HB80-PRG200, HB80-PRG800:
Choose the channel and press “%” and “square” at the same time



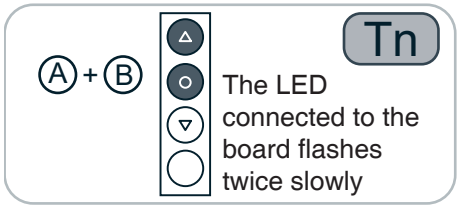
ECO-6L, ECO-6L800:
Choose the channel and press “%” and “square” at the same time

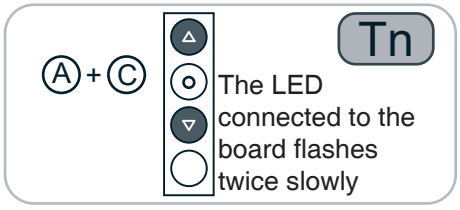


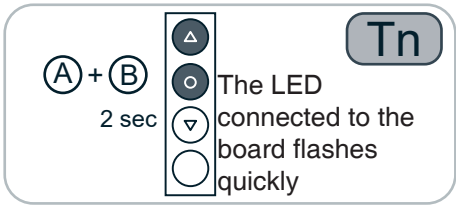
ECO-1L
- Keep the “down arrow” and “%” keys pressed at the same time until the LED flashes
- Briefly press the “up arrow” key



POP (Cherubini)







8 - CONTROL BY VOICE COMMANDS

You can use this procedure to associate a “OneSmart” account with a Google or Alexa account to enable the voice commands.

8.1 - CONNECTION TO “GOOGLE HOME”

PROCEDURE

WARNING: before proceeding with this procedure, you must have set up the “OneSmart” account

1. Download the App “Google Home”

2. After starting the application, you will need to create an account Google.
Complete the procedure.

3. Press the “+” icon in top left position, then press “Set up device”.

4. Select “Have something already set up?” and then select “Smart Life” from the list of proposed accounts.
Insert the account data “OneSmart”

5. Once the procedure has been completed, all devices connected to the “Smart Life” account will appear in the home page of Google application (at the bottom of the home under the “Other cast device”).

6. The device can now be used with voice commands by creating routines on Google Home.

8.2 - CONNECTION TO “AMAZON ALEXA”

PROCEDURE

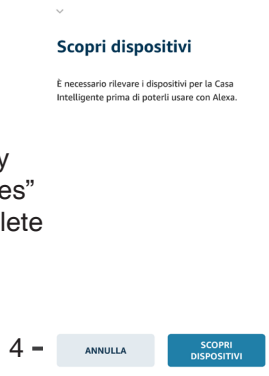
WARNING: before proceeding with this procedure, you must have set up the “OneSmart” account.

1. Download the App “Amazon Alexa”

2. After starting the application, you will need to create an account Amazon.
Complete the procedure

3. From the application home page press “menu” (1) then “Skill and games” (2).
Press on the “Magnifying glass” at the top right and then search for “Smart Life” (3). Follow the procedure to enable use of the “OneSmart” account created.

4. Complete the procedure by entering the “OneSmart” account data created in paragraph 6. You can then start searching for devices by pressing the “Discover devices” button (4). If you want, complete the setting-up procedure by inserting the device into a room.



5. Now the voice commands can control the control unit

9 - INSIGHTS

9.1 - ISSUES WHEN CONNECTING THE CONTROL UNIT WITH WIFI

If you're having problems connecting the control unit to the router, we suggest to:

FIRST CHECKS:
- check if the network used to connect the control unit is running at 2.4GHz (not 5GHz)
- the smartphone you use must be connected to the same WiFi on which you want to connect the device
- please check if the entered password is correct

STEPS TO DO:
- close the app and try again to connect the device
- if possible try with another smartphone to check if it works

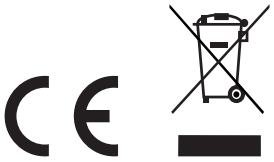
If the problem is not fix, there may be some settings in your router that make the network incompatible with the device. To check and change these settings it's necessary to access the router settings.

As soon as you access the router settings (it depends on the model of router you have) try to check and set these parameters:

WIFI FREQUENCY BAND
some routers generate a network that is set automatically at a frequency of 2.4GHz or 5GHz, depending on the device you are connecting with. When you are trying to connect the device through your OneSmart account, your smartphone may be connected automatically at the frequency band of 5GHz, failing the connection with your device.
It's therefore necessary to access the router settings and set the 2.4GHz as the main network frequency to use.
Otherwise it's possible to create two different WiFi networks, one for the 2.4GHz and one for the 5GHz band, and during the pairing phase make sure your smartphone is connected to the 2.4GHz network.

WIFI SECURITY SETTINGS
some routers could have default security settings not compatible with the device.
Please find out which security protocol type your Wi-Fi router is and change it to:

SECURITY TYPE: WPA2
ENCRYPTION TYPE: AES



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